SEMINOLE STATE COLLEGE
OF FLORIDA

2017-2018
COLLEGE CATALOG
Seminole State College of Florida is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award associate and baccalaureate degrees. Contact the Commission on Colleges at 1865 Southern Lane, Decatur, Georgia 30033-4097 or call 404.679.4500 for questions about the accreditation of Seminole State College of Florida.

CAMPUSES:

- Altamonte Springs
- Heathrow
- Oviedo
- Sanford/Lake Mary

MAILING ADDRESS:
100 Weldon Boulevard
Sanford, FL 32773

PHONE:
407.708.4722

www.seminolestate.edu
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## Approved Catalog Changes 2017-2018

The following updates have been made to the 2017-2018 catalog. This listing is for documentation purposes only. The official catalog of Seminole State College is the online version published on the College Website. All of the updates listed below are currently published in the online version of the College Catalog.

### Section
- **School of Business, Health and Public Safety**
  - **B.S. Business and Information Management**
  - **IND 3953** - new course
  - **EMS 2647** - inactivate course
  - **NUR 3870** - modify course
  - **COP 4655** - modify course
  - **EMS 2604** - modify course
  - **NUR 4257** - new course
  - **EDG 2301** - new course
  - **PAZ 2944H** - inactivate course
  - **NUR 3667** - modify course
  - **IND 3954** - new course
  - **NUR 4829** - new course
  - **EUH 3952** - new course
  - **HIM 2721C**
  - **CHM 3080** - inactivate course
  - **HSC 4245**
  - **EPI 0010** - modify course
  - **NUR 3678** - modify course
  - **GLY 3884** - inactivate course
  - **NUR 3169** - new course
  - **EDG 2301** - new course
  - **NUR 3667** - modify course
  - **HIM 2940**
  - **EMS 2605** - modify course
  - **NUR 4257** - new course
  - **PTN 1934** - new course
  - **NUR 3825** - new course
  - **EMS 2604** - modify course
  - **NUR 3870** - new course
  - **COP 4813** - modify course

- **School of Arts and Sciences**
  - **CGS 1848C** - new course
  - **IND 3954** - new course
  - **PLA 2203** - modify course
  - **A.S. Legal Assis**
  - **A.S. Accounting**
  - **CIS 4891 - modi**
  - **CTS 1168C**
  - **CTS 2395C**
  - **CTS 2396C**
  - **POS 2011C**
  - **GER 1151**
  - **EUH 3952**
  - **INR 455**
  - **PUR 4465**
  - **MAR 365**
  - **B.S. Business**
  - **A.S. Admini**
  - **POT 200**
  - **EEC 1605**
  - **EEC 1605**
  - **PTN 1934**
  - **NUR 3634C**
  - **CGS 1848C**
  - **HCS 270**
  - **HCS 270**
  - **NUR 3667**
  - **HCS 270**
  - **NUR 3667**

- **School of Engineering, Design and Construction**
  - **School of Business, Health and Public Safety**
  - **School of Business, Health and Public Safety**
  - **School of Business, Health and Public Safety**
  - **School of Business, Health and Public Safety**
  - **School of Engineering, Design and Construction**

Notes:
- **College is the**
- **Appr**
- **Approved C**
- **Catalog Changes 2017**
- **2017-2018**
- **Generated on 12/14/2017**
General Information

Catalog Purpose

The official catalog of Seminole State College is the online version published on the College Website. Seminole State College of Florida makes every reasonable effort to ensure the accuracy of the Catalog at time of publication. Occasionally, changes must be made to carry out the purposes and objectives of the College. Any approved changes to the official catalog are published online in a file titled “Approved Catalog Changes.”

Campus Locations

Seminole State College gives you the flexibility to take classes when and where you want – day, night or weekend at any of our four convenient campuses, or online.

All four campuses have their own flavor and specialty programs, and each campus offers a full array of student support services. Seminole State College is located in the metropolitan Orlando area, Florida.

Altamonte Springs Campus

The Altamonte Springs Campus opened in 2008 and serves one of the most populated areas of Seminole County. More than 100,000 people live within five miles of the campus. The campus concentrates in three key academic areas: healthcare and nursing, general education and adult education. In 2011, the College announced a major expansion at the campus, nearly tripling its size.

Heathrow Campus

The Center for Business Development at Heathrow, which opened in 2007, positions Seminole State firmly along the Interstate 4 High-Tech Corridor. The campus is home to the School of Engineering, Design and Construction and the Foundation for Seminole State College. In addition, the campus has created a spirit of collaboration in Seminole County with a unique economic development suite. Resident partners include the Seminole County Regional Chamber of Commerce, the Seminole County Economic Development Department, the Seminole County Advisory Board Council, Leadership Seminole, the Florida High-Tech Corridor Council and the Metro Orlando Economic Development Commission.

Oviedo Campus

Situated on 180 acres, including a 120 acre nature preserve, the Oviedo campus offers a traditional collegiate atmosphere and beautiful old Florida views. The campus, located near the University of Central Florida, concentrates in three academic areas: general education, engineering technology and adult education. The campus, which opened in 2001, is also one of two locations for the Grindle Honors Institute.

Sanford/Lake Mary Campus

Public higher education in Seminole County was born here in August 1966. The Sanford/Lake Mary Campus sits on 200 acres, bordered by Sanford to the north and Lake Mary to the west. The campus is home of the Wayne M. Densch Partnership Center, UCF’s regional campus, the Center for Public Safety, the CFADA Professional Automotive Training Center, the Fine Arts Building, the Weldon administration building, Raider athletics and the Grindle Honors Institute.
## General Information: Academic Calendars

### Fall 2017 College Academic Calendar

**August 21 - December 9, 2017**

<table>
<thead>
<tr>
<th>Event</th>
<th>Full Session</th>
<th>A Session</th>
<th>12W Session</th>
<th>B Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>Financial aid priority application deadline: all required documentation must be submitted to the Financial Aid Office to allow sufficient processing to meet on-time disbursements.</td>
<td>June 6</td>
<td>June 6</td>
<td>August 14</td>
<td>August 14</td>
</tr>
<tr>
<td>Priority registration begins for students authorized by Veterans Services, Disability Support Services, Honors, Student Life, and Athletics.</td>
<td>June 26</td>
<td>June 26</td>
<td>June 26</td>
<td>June 26</td>
</tr>
<tr>
<td>Registration begins for all degree-seekig returning students.</td>
<td>June 27</td>
<td>June 27</td>
<td>June 27</td>
<td>June 27</td>
</tr>
<tr>
<td>Registration begins for all new, non-degree and dual enrollment students.</td>
<td>June 29</td>
<td>June 29</td>
<td>June 29</td>
<td>June 29</td>
</tr>
<tr>
<td>Deadline to submit transcripts to Enrollment Services for evaluation.</td>
<td>August 7</td>
<td>August 7</td>
<td>August 25</td>
<td>October 2</td>
</tr>
<tr>
<td>Financial Aid application deadline: official FAFSA form and FAFSA results due to Financial Aid Office for tuition-deferment purposes.</td>
<td>August 7</td>
<td>August 7</td>
<td>August 28</td>
<td>October 2</td>
</tr>
<tr>
<td>Admissions application deadline for BACC Students.</td>
<td>August 14</td>
<td>August 14</td>
<td>August 14</td>
<td>August 14</td>
</tr>
<tr>
<td>Event</td>
<td>August 14</td>
<td>August 14</td>
<td>September 6</td>
<td>October 11</td>
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<td>----------------------------------------------------------------------</td>
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<td>-------------</td>
<td>------------</td>
</tr>
<tr>
<td>Admissions application deadline for new, transfer and dual enrollment students.</td>
<td>August 14</td>
<td>August 14</td>
<td>September 6</td>
<td>October 11</td>
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<tr>
<td>Full-time faculty report.</td>
<td>August 16</td>
<td>August 16</td>
<td>August 16</td>
<td>August 16</td>
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<tr>
<td>Deadline to submit petitions: full cost of instruction, fourth attempt or repeat of a course.</td>
<td>August 17</td>
<td>August 17</td>
<td>September 7</td>
<td>October 12</td>
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<tr>
<td>Deadline to reclassify eligibility for Florida residency for tuition purposes.</td>
<td>August 18</td>
<td>August 18</td>
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<tr>
<td>Last day to change program plan.</td>
<td>August 18</td>
<td>August 18</td>
<td>August 18</td>
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<tr>
<td>Classes begin.</td>
<td>August 21</td>
<td>August 21</td>
<td>September 11</td>
<td>October 16</td>
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<tr>
<td>First day to enroll as an audit student.</td>
<td>August 21</td>
<td>August 21</td>
<td>September 11</td>
<td>October 16</td>
</tr>
<tr>
<td>Registration begins for students with State Employee Fee Waivers.</td>
<td>August 21</td>
<td>August 21</td>
<td>September 11</td>
<td>October 16</td>
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<tr>
<td>Note: Registration start date if using a State Employee Fee Waiver.</td>
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<tr>
<td>Registration begins for students with Senior Citizen Waivers.</td>
<td>August 21</td>
<td>August 21</td>
<td>September 11</td>
<td>October 16</td>
</tr>
<tr>
<td>Note: Registration start date if using a Senior Citizen Waiver.</td>
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<tr>
<td>Last day to add online courses in the School of Arts and Sciences.</td>
<td>August 23</td>
<td>August 23</td>
<td>September 20</td>
<td>October 18</td>
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<tr>
<td>-By 10:30 am - Full Session</td>
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<tr>
<td>-By 11:59 pm - A, 12W, B Sessions</td>
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<tr>
<td>Note: 12W Session registration throughout add/drop period requires Academic Dean approval.</td>
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</table>
Please meet with your assigned Advisor or a Student Success Specialist for assistance.

Last day to add online courses in all other schools.

-By 10:30 am - Full Session
-By 11:59 pm - A, 12W, B Sessions

Note: 12W Session registration throughout add/drop period requires Academic Dean approval.

Please meet with your assigned Advisor or a Student Success Specialist for assistance.

<table>
<thead>
<tr>
<th>Event</th>
<th>Dates</th>
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<tbody>
<tr>
<td>August 25</td>
<td>August 23</td>
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</table>

Last day to add/drop classes.

Note: Courses that have already met are not available for self-service registration.

12W Session registration throughout add/drop period requires Academic Dean approval.

Please meet with your assigned Advisor or a Student Success Specialist for assistance.

<table>
<thead>
<tr>
<th>Event</th>
<th>Dates</th>
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<tbody>
<tr>
<td>August 25</td>
<td>August 23</td>
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Last day to drop classes and receive a 100 percent refund (refund policy is subject to change without notice).

<table>
<thead>
<tr>
<th>Event</th>
<th>Dates</th>
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<tbody>
<tr>
<td>August 25</td>
<td>August 23</td>
</tr>
</tbody>
</table>

Admissions application deadline for transient students.

<table>
<thead>
<tr>
<th>Event</th>
<th>Dates</th>
</tr>
</thead>
<tbody>
<tr>
<td>August 25</td>
<td>August 23</td>
</tr>
</tbody>
</table>

Student submission begins for Intent to Graduate forms.

<table>
<thead>
<tr>
<th>Event</th>
<th>Dates</th>
</tr>
</thead>
<tbody>
<tr>
<td>August 28</td>
<td>August 28</td>
</tr>
</tbody>
</table>

Grade roster validation due by 11:59 p.m. (including reporting W4s/No Shows).

<table>
<thead>
<tr>
<th>Event</th>
<th>Dates</th>
</tr>
</thead>
<tbody>
<tr>
<td>August 30</td>
<td>August 28</td>
</tr>
<tr>
<td>Event</td>
<td>Date</td>
</tr>
<tr>
<td>----------------------------------------------------------------------</td>
<td>------------</td>
</tr>
<tr>
<td>Last day to charge books against financial aid account.</td>
<td>August 30</td>
</tr>
<tr>
<td>Grade lapse deadline: All incomplete “I” grades from Summer 2017 Term are changed to grades of “F.”</td>
<td>September 20</td>
</tr>
<tr>
<td>Deadline to accept loans.</td>
<td>September 29</td>
</tr>
<tr>
<td>Financial Aid and Veterans Affairs (VA) payment deferment deadline.</td>
<td>October 19</td>
</tr>
<tr>
<td>Deadline for students to submit Intent to Graduate forms.</td>
<td>October 20</td>
</tr>
<tr>
<td>Last day for faculty members to assign the grade of “W2” to students on grade roster.</td>
<td>October 27</td>
</tr>
<tr>
<td>Note: W2s cannot be removed once assigned. Students remaining in classes after this date will receive a final grade from their professors.</td>
<td></td>
</tr>
<tr>
<td>Last day for students to withdraw from a college credit class.</td>
<td>October 27</td>
</tr>
<tr>
<td>Note: Students remaining in classes after this date will receive a final grade from their professors.</td>
<td></td>
</tr>
<tr>
<td>Classes end.</td>
<td>December 9</td>
</tr>
<tr>
<td>Deadline for faculty to submit grades (online by 11:59 pm).</td>
<td>December 11</td>
</tr>
<tr>
<td>Final work day for full-time faculty.</td>
<td>December 12</td>
</tr>
<tr>
<td>Grades available to students online (by 5:00pm).</td>
<td>December 13</td>
</tr>
<tr>
<td>Commencement ceremony</td>
<td>December 13</td>
</tr>
</tbody>
</table>
College Closings:

- College Closings (classes do not meet): September 4 (Labor Day), November 22-26 (Thanksgiving), December 21 - 31 (Winter Break).

The term “register” and “enroll” are used interchangeably. Examples: to register or to enroll for classes; to complete registration or enrollment into college coursework.
<table>
<thead>
<tr>
<th>Event</th>
<th>Full Session</th>
<th>A Session</th>
<th>12W Session</th>
<th>B Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>Priority registration begins for students authorized by Veterans Services, Disability Support Services, Honors, Student Life, and Athletics.</td>
<td>October 23</td>
<td>October 23</td>
<td>October 23</td>
<td>October 23</td>
</tr>
<tr>
<td>Registration begins for all degree-seeking returning students.</td>
<td>October 24</td>
<td>October 24</td>
<td>October 24</td>
<td>October 24</td>
</tr>
<tr>
<td>Registration begins for all new, non-degree and dual enrollment students.</td>
<td>October 26</td>
<td>October 26</td>
<td>October 26</td>
<td>October 26</td>
</tr>
<tr>
<td>Financial aid priority application deadline: All required documentation must be submitted to the Financial Aid Office to allow sufficient processing to meet on-time disbursements.</td>
<td>November 3</td>
<td>November 3</td>
<td>January 13</td>
<td>January 13</td>
</tr>
<tr>
<td>Deadline to submit transcripts to Enrollment Services for evaluation</td>
<td>December 13</td>
<td>December 13</td>
<td>January 12</td>
<td>February 19</td>
</tr>
<tr>
<td>Admissions application deadline for BACC students.</td>
<td>January 2</td>
<td>January 2</td>
<td>January 2</td>
<td>January 2</td>
</tr>
<tr>
<td>Admissions application deadline for new, transfer and dual enrollment students.</td>
<td>January 2</td>
<td>January 2</td>
<td>January 22</td>
<td>February 28</td>
</tr>
<tr>
<td>Full-time faculty report.</td>
<td>January 3</td>
<td>January 3</td>
<td>January 3</td>
<td>January 3</td>
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<tr>
<td>Deadline to submit petitions: full cost of instruction, fourth attempt or repeat of a course.</td>
<td>January 4</td>
<td>January 4</td>
<td>January 25</td>
<td>March 1</td>
</tr>
<tr>
<td>Deadline to reclassify eligibility for Florida residency for tuition purposes.</td>
<td>January 5</td>
<td>January 5</td>
<td>January 5</td>
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<tr>
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<td>Date</td>
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<td>----------------------------------------------------------------------</td>
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</tr>
<tr>
<td>Last day to change program plan.</td>
<td>January 5</td>
<td>January 5</td>
<td>January 5</td>
<td>January 5</td>
</tr>
<tr>
<td>Classes begin.</td>
<td>January 8</td>
<td>January 8</td>
<td>January 29</td>
<td>March 12</td>
</tr>
<tr>
<td>First day to enroll as an audit student.</td>
<td>January 8</td>
<td>January 8</td>
<td>January 29</td>
<td>March 12</td>
</tr>
<tr>
<td>Registration begins for students with State Employee Fee Waivers.</td>
<td>January 8</td>
<td>January 8</td>
<td>January 29</td>
<td>March 12</td>
</tr>
<tr>
<td><em>Note: Registration start date if using a State Employee Fee Waiver.</em></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Registration begins for students with Senior Citizen Waivers.</td>
<td>January 8</td>
<td>January 8</td>
<td>January 29</td>
<td>March 12</td>
</tr>
<tr>
<td><em>Note: Registration start date if using a Senior Citizen Waiver.</em></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Last day to add online courses in the School of Arts and Sciences.</td>
<td>January 10</td>
<td>January 10</td>
<td>February 1</td>
<td>March 14</td>
</tr>
<tr>
<td><em>By 10:30 am - Full Session</em></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><em>By 11:59 pm - A, 12W, B Sessions</em></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Last day to add online courses in all other schools.</td>
<td>January 12</td>
<td>January 10</td>
<td>February 1</td>
<td>March 14</td>
</tr>
<tr>
<td><em>By 10:30 am - Full Session</em></td>
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<tr>
<td><em>By 11:59 pm - A, 12W, B Sessions</em></td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Last day to add/drop classes.</td>
<td>January 12</td>
<td>January 10</td>
<td>February 1</td>
<td>March 14</td>
</tr>
<tr>
<td><em>Note: Courses that have already met are not available for self-service registration.</em></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Last day to drop classes and receive a 100 percent refund (refund policy is subject to change without notice).</td>
<td>January 12</td>
<td>January 10</td>
<td>February 1</td>
<td>March 14</td>
</tr>
<tr>
<td>Event</td>
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</tr>
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<td>Admissions application deadline for transient students.</td>
<td>January 12</td>
<td>January 10</td>
<td>February 1</td>
<td>March 14</td>
</tr>
<tr>
<td>Student submission begins for Intent to Graduate forms.</td>
<td>January 16</td>
<td>January 16</td>
<td>January 16</td>
<td>January 16</td>
</tr>
<tr>
<td>Last day to charge books against financial aid account.</td>
<td>January 17</td>
<td>January 17</td>
<td>February 7</td>
<td>March 21</td>
</tr>
<tr>
<td>Grade roster validation due by 11:59 p.m. (including reporting W4s/No Shows).</td>
<td>January 18</td>
<td>January 16</td>
<td>February 6</td>
<td>March 19</td>
</tr>
<tr>
<td>Grade lapse deadline: All incomplete “I” grades from Fall 2017 term are changed to grades of “F.”</td>
<td>February 7</td>
<td>February 7</td>
<td>February 7</td>
<td>February 7</td>
</tr>
<tr>
<td>Financial Aid and Vetrerans Affairs (VA) payment deferment deadline.</td>
<td>March 8</td>
<td>March 8</td>
<td>March 8</td>
<td>March 8</td>
</tr>
<tr>
<td>Deadline to accept loans.</td>
<td>March 16</td>
<td>February 13</td>
<td>March 16</td>
<td>March 16</td>
</tr>
<tr>
<td>Deadline for students to submit Intent to Graduate forms.</td>
<td>March 12</td>
<td>March 12</td>
<td>March 12</td>
<td>March 12</td>
</tr>
<tr>
<td>Last day for faculty members to assign the grade of “W2” to students on grade roster.</td>
<td>March 20</td>
<td>February 8</td>
<td>March 28</td>
<td>April 11</td>
</tr>
<tr>
<td><strong>Note: W2s cannot be removed once assigned. Students remaining in classes after this date will receive a final grade from their professors.</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Last day for students to withdraw from a college credit class.</td>
<td>March 20</td>
<td>February 8</td>
<td>March 28</td>
<td>April 11</td>
</tr>
<tr>
<td><strong>Note: Students remaining in classes after this date will receive a final grade from their professors.</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Classes end.</td>
<td>April 30</td>
<td>February 28</td>
<td>April 30</td>
<td>April 30</td>
</tr>
<tr>
<td>Commencement ceremony.</td>
<td>May 1</td>
<td>May 1</td>
<td>May 1</td>
<td>May 1</td>
</tr>
<tr>
<td>Deadline for faculty to submit grades.</td>
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<td>----------------------------------------</td>
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</tr>
<tr>
<td><strong>Online by 11:59 am - Full, 12W, B Sessions</strong></td>
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<td></td>
</tr>
<tr>
<td><strong>Online by 11:59 pm - A Session</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>May 2</td>
<td>March 1</td>
<td>May 2</td>
<td>May 2</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Final work day for full-time faculty.</th>
</tr>
</thead>
<tbody>
<tr>
<td>May 3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Grades available to students online (by 5:00 pm).</th>
</tr>
</thead>
<tbody>
<tr>
<td>May 4</td>
</tr>
</tbody>
</table>

**College closings:**

- College Closings (classes do not meet): January 1 (New Year’s Day), January 15 (Martin Luther King Jr. Day), March 4-10 (Spring Break).

The terms “register” and “enroll” are used interchangeably. Examples: to register or to enroll for classes; to complete registration or enrollment into college coursework.
## Summer 2018 College Academic Calendar

**May 7 - August 1, 2018**

<table>
<thead>
<tr>
<th>Event</th>
<th>Full Session</th>
<th>A Session</th>
<th>B Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>Financial aid priority application deadline: All required document</td>
<td>March 12</td>
<td>March 12</td>
<td>April 16</td>
</tr>
<tr>
<td>ation must be submitted to the Financial Aid Office to allow suff</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>cient processing to meet on-time disbursements.</td>
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<tr>
<td>Priority registration begins for students authorized by Veterans S</td>
<td>March 19</td>
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</tr>
<tr>
<td>ervices, Disability Support Services, Honors, Student Life, and Ath</td>
<td></td>
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</tr>
<tr>
<td>letics.</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Registration begins for all degree-seeking returning students.</td>
<td>March 20</td>
<td>March 20</td>
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</tr>
<tr>
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<td>March 22</td>
<td>March 22</td>
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</tr>
<tr>
<td>tudents.</td>
<td></td>
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<tr>
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<td>April 23</td>
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<td>June 4</td>
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<td>valuation.</td>
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<td>tempt or repeat of a course.</td>
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<td>May 4</td>
<td>May 4</td>
<td>June 20</td>
</tr>
<tr>
<td>Classes begin.</td>
<td>May 7</td>
<td>May 7</td>
<td>June 20</td>
</tr>
<tr>
<td>Event Description</td>
<td>May 7</td>
<td>May 7</td>
<td>June 20</td>
</tr>
<tr>
<td>----------------------------------------------------------------------------------</td>
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</tr>
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<td>First day to enroll as an audit student.</td>
<td></td>
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<td>Event Description</td>
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</tr>
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<td>June 6</td>
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<td>June 6</td>
</tr>
<tr>
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<td>June 13</td>
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<tr>
<td>Last day for faculty members to assign the grade of “W2” to students on grade roster.</td>
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<tr>
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<tr>
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<td></td>
</tr>
<tr>
<td>Financial Aid and Veteran Affairs (VA) payment deferment deadline.</td>
<td>July 5</td>
<td>July 5</td>
<td>July 5</td>
</tr>
<tr>
<td>Deadline to accept loans.</td>
<td>July 9</td>
<td>May 31</td>
<td>July 9</td>
</tr>
<tr>
<td>Classes end.</td>
<td>August 1</td>
<td>June 18</td>
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<td>August 4</td>
<td>June 21</td>
<td>August 4</td>
</tr>
</tbody>
</table>

**College closings:**

- College four-day class schedule (College closed each Friday during Summer Term): May 7 - July 23, 2018.
- College Closings (classes do not meet): May 28 (Memorial Day), July 4 (Independence Day).

The terms “register” and “enroll” are used interchangeably. Examples: to register or to enroll for classes; to complete registration or enrollment into college coursework.
## Fall 2017 Academic Foundations Calendar

### August 21 - December 9, 2017

<table>
<thead>
<tr>
<th>Event</th>
<th>Full Session</th>
<th>A Session</th>
<th>B Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>Registration begins for Academic Foundations students.</td>
<td>June 27</td>
<td>June 27</td>
<td>June 27</td>
</tr>
<tr>
<td>Full-time faculty report.</td>
<td>August 16</td>
<td>August 16</td>
<td>August 16</td>
</tr>
<tr>
<td>Classes begin</td>
<td>August 21</td>
<td>August 21</td>
<td>October 16</td>
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<tr>
<td>Last day to add/drop classes.</td>
<td>September 1</td>
<td>August 25</td>
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<td>August 30</td>
<td>October 25</td>
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<td>October 20</td>
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<tr>
<td>Deadline for faculty to submit grades (online by 11:59 pm).</td>
<td>December 11</td>
<td>October 14</td>
<td>December 11</td>
</tr>
<tr>
<td>Final work day for full-time faculty.</td>
<td>December 12</td>
<td>December 12</td>
<td>December 12</td>
</tr>
<tr>
<td>Grades available to students online (by 5:00 pm).</td>
<td>December 13</td>
<td>October 17</td>
<td>December 13</td>
</tr>
<tr>
<td>Commencement ceremony</td>
<td>December 13</td>
<td>December 13</td>
<td>December 13</td>
</tr>
</tbody>
</table>

**College Closings:**
• College Closings (classes do not meet): September 4 (Labor Day), November 22-26 (Thanksgiving), December 21-31 (Winter Break).

The terms "register" and "enroll" are used interchangeably. Examples: to register or to enroll for classes; to complete registration or enrollment into college coursework.
# Spring 2018 Academic Foundations Calendar

**January 8 - April 30, 2018**

<table>
<thead>
<tr>
<th>Event</th>
<th>Full Session</th>
<th>A Session</th>
<th>B Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>registration begins for Academic Foundations students.</td>
<td>October 24</td>
<td>October 24</td>
<td>October 24</td>
</tr>
<tr>
<td>full-time faculty report.</td>
<td>January 3</td>
<td>January 3</td>
<td>January 3</td>
</tr>
<tr>
<td>classes begin.</td>
<td>January 8</td>
<td>January 8</td>
<td>March 12</td>
</tr>
<tr>
<td>last day to add/drop classes.</td>
<td>January 22</td>
<td>January 12</td>
<td>March 16</td>
</tr>
<tr>
<td>grade roster validation due by 11:59 pm (including reporting W4s/No Shows).</td>
<td>January 25</td>
<td>January 18</td>
<td>March 21</td>
</tr>
<tr>
<td>deadline for students to submit Intent to Graduate forms.</td>
<td>March 12</td>
<td>March 12</td>
<td>March 12</td>
</tr>
<tr>
<td>classes end.</td>
<td>April 30</td>
<td>February 28</td>
<td>April 30</td>
</tr>
<tr>
<td>commencement ceremony.</td>
<td>May 1</td>
<td>May 1</td>
<td>May 1</td>
</tr>
<tr>
<td>deadline for faculty to submit grades.</td>
<td>May 2</td>
<td>March 1</td>
<td>May 2</td>
</tr>
</tbody>
</table>

- **Online by 11:59 am - Full, 12W, B Sessions**
- **Online by 11:59 pm - A Session**
<table>
<thead>
<tr>
<th>Event Description</th>
<th>May 3</th>
<th>May 3</th>
<th>May 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Final work day for full-time faculty.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Grades available to students online (by 5:00 pm).</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**College closings:**

- College Closings (classes do not meet): January 1 (New Year’s Day), January 15 (Martin Luther King Jr. Day), March 4-10 (Spring Break).

The terms "register" and "enroll" are used interchangeably. Examples: to register or to enroll for classes; to complete registration or enrollment into college coursework.
# Summer 2018 Academic Foundations Calendar

**May 7 - August 1, 2018**

<table>
<thead>
<tr>
<th>Event</th>
<th>Full Session May 7 - August 1</th>
<th>A Session May 7 - June 18</th>
<th>B Session June 20 - August 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Registration begins for Academic Foundations students.</td>
<td>March 20</td>
<td>March 20</td>
<td>March 20</td>
</tr>
<tr>
<td>Full-time faculty report.</td>
<td>May 4</td>
<td>May 4</td>
<td>June 20</td>
</tr>
<tr>
<td>Classes begin.</td>
<td>May 7</td>
<td>May 7</td>
<td>June 20</td>
</tr>
<tr>
<td>Last day to add/drop classes.</td>
<td>May 22</td>
<td>May 14</td>
<td>June 27</td>
</tr>
<tr>
<td>Grade roster validation due by 11:59 pm (including reporting W4s/No Shows).</td>
<td>May 29</td>
<td>May 17</td>
<td>July 3</td>
</tr>
<tr>
<td>Deadline for students to submit Intent to Graduate forms.</td>
<td>June 13</td>
<td>June 13</td>
<td>June 13</td>
</tr>
<tr>
<td>Classes end.</td>
<td>August 1</td>
<td>June 18</td>
<td>August 1</td>
</tr>
<tr>
<td>Deadline for faculty to submit grades (online by 11:59 pm).</td>
<td>August 2</td>
<td>June 19</td>
<td>August 2</td>
</tr>
<tr>
<td>Final work day for full-time faculty.</td>
<td>August 3</td>
<td>June 19</td>
<td>August 3</td>
</tr>
<tr>
<td>Grades available to students online (by 5:00 pm).</td>
<td>August 4</td>
<td>June 21</td>
<td>August 4</td>
</tr>
</tbody>
</table>

**College closings:**

- College four-day class schedule (College closed each Friday during Summer Term): May 7-July 23, 2018.
- College Closings (classes do not meet): May 28 (Memorial Day), July 4 (Independence Day).

The terms "register" and "enroll" are used interchangeably. Examples: to register or to enroll for classes; to complete registration or enrollment into college coursework.
History of the College

From Orange Grove to Alma Mater

As the 1960s began, a college education was just a dream for most Central Florida residents. Between 1950 and 1965, Central Florida’s population had more than doubled. However, for Seminole and Orange counties, there was no public college or university.

County and school leaders, working with area legislators, led the charge to create a public college in the 1965 legislative session and on June 4, 1965, Governor W. Haydon Burns signed Senate Bill No. 17, which created the College and appropriated $30,000 to get it off the ground. The College was chartered on July 1, 1965.

In November 1965, the College was named Seminole Junior College.

A Groundbreaking Beginning

At the start of 1966, newly hired President Dr. Earl S. Weldon, then 37, quickly began the task of building a new college in a little more than seven months.

In February, Dr. Weldon identified college programs and searched for a suitable location. By the end of March, the School Board agreed to purchase a 170 acre site near the geographic center of the county as the campus.

Over the next five months, 23 full-time professors were hired, students began to register and Dr. Weldon scrambled to find portable buildings for the campus. Ten portable classrooms were moved to the campus and readied for the first day of classes.

The College’s first Student Center was a portable that was donated by the Walt Disney Co., which had announced plans to build Walt Disney World just a few months before.

When Seminole Junior College opened as the first public college in greater Orlando on Aug. 29, 1966, about 750 students showed up.

In May 1968, the College held its first graduation exercises for 112 students.

A master plan was unveiled for the College and construction of permanent buildings (F, L, S and V) began in 1969. Over the next decade, the former citrus grove was transformed into a metropolitan college campus.

In August 1970, Dr. Weldon’s vision for a comprehensive community college was realized as the College assumed responsibility for all adult, general and vocational education for Seminole County, becoming one of the first comprehensive colleges in Florida.

On July 1, 1975, Seminole Junior College became Seminole Community College to better describe the vast diversity of educational programs available at the College. By the end of the College’s first decade, enrollment had increased to 14,161.

After 30 years of service, Dr. Weldon officially retired on Jan. 31, 1996. When he retired, he was the longest-serving and last founding president still presiding over an institution in Florida.

Expanding Opportunities

In February 1996, Dr. E. Ann McGee, a community college graduate and administrator at Broward College, became the College’s second president. Determined to raise the College’s profile, she began her administration on the eve of a major expansion.

Under her leadership, the College has opened three campuses and completed an $85 million renovation of its Sanford/Lake Mary Campus.

The Oviedo Campus opened in January 2001 to serve the educational and workforce development needs of eastern Seminole County. The Center for Economic Development at Heathrow, which houses Central Florida’s economic development leaders as well as classrooms and student services, opened in July 2007.

The Altamonte Springs Campus, which opened at near capacity in January 2008, serves one of the largest population areas of Central Florida. The campus houses healthcare programs, a diverse offering of A.A. degree courses and Adult Education. In 2010, the College purchased 28.57 additional acres to triple the size of the Altamonte Springs Campus. Through unique development projects, the College plans to
expand the campus into an academic village with more than 1.4 million square feet of space.

In 2009, Seminole Community College became Seminole State College of Florida to reflect the expanding mission of the College as it began to offer bachelor’s degrees to meet the community’s needs for a highly trained workforce.

In 2010, Seminole State began offering its first baccalaureate degree. Four more bachelor’s degrees were added in January 2012. A sixth bachelor’s degree in health sciences began in May 2016.

In 2013, following a successful fundraising year with $5 million in donation revenue, the Foundation for Seminole State College launched the first comprehensive fundraising effort in its history - Changing Lives, the Campaign for Student Success. The Foundation exceeded the $12 million goal of the three-year campaign in 2016, celebrating $13.553 million in donations to establish programs and scholarships.

**Strong Leadership**

With its strong focus on academics, Seminole State continues to attract top students. Since 2006, the College’s honors students have won 15 Jack Kent Cooke (JKC) Foundation Undergraduate Transfer scholarships. In 2015, Seminole State became only the second college in the U.S. to have four scholars in one year receive the award. The scholarship, presented each year to the top graduating community college students nationwide, awards up to $40,000 each year to cover recipients’ educational costs while completing their bachelor’s degrees and up to $50,000 per year for graduate study. The JKC award is the largest private scholarship in the country for transfer students.

In 2006, Seminole State continued its longtime partnership with the University of Central Florida by creating DirectConnect to UCF. This program, considered a national model, guarantees entrance and accelerated admission to UCF for students who complete their associate degrees from Seminole State. More than 9,000 Seminole State students participate in DirectConnect.

In 2012, Seminole State created its Center for Global Engagement, which promotes service learning, study abroad and internationalization efforts. Also since 2012, Seminole State has received $5.7 million in federal grant funding for STEM programs.

In 2014, Seminole State and Seminole County Public Schools’ longtime efforts to improve college readiness received national recognition. Dr. McGee and SCPS Superintendent Dr. Walt Griffin were invited to attend the White House Summit College Opportunity Day of Action Summit with President and Michelle Obama. Because of the exceptional partnership between Seminole County Public Schools, Seminole State and the University of Central Florida, a Seminole County student can be educated in Seminole County from kindergarten to their doctorate.

**50 Years of Changing Lives**

In 2015, Seminole State College celebrated its 50th anniversary, marking the milestone with student, employee and community celebrations throughout Seminole County.

In honor of the College’s golden anniversary, the Fall 2015 Commencement Ceremony celebrated 50 years of student achievement and marked the official launch of the Seminole State College Alumni Association. Seminole State also debuted its Alma Mater, which served as the grand finale to the yearlong festivities and honors the thousands of students who have attended in the College’s history.

**Transforming Tomorrow**

In 2016, through a first-of-its-kind partnership between Seminole State College and Robert Gordon University based in Aberdeen, Scotland, Seminole State began offering a Master of Science (M.Sc.) degree in International Business at its Heathrow Campus. Through the program, business students in Central Florida can earn a master’s degree with a unique, international perspective without leaving home.

The College held a groundbreaking ceremony for a new $25 million Student Services Center at the Sanford/Lake Mary Campus in June 2016. The two-story, 77,000 square-foot building will support Seminole State’s vision of being a student-centered college by serving as a one-stop facility for student services and student life.
From 10 portable classrooms and 750 students, Seminole State now:

- Is the ninth largest of the 28 colleges in the Florida College System.
- Has an annual enrollment of nearly 30,000 students.
- Is designated as an official Hispanic-Serving Institution with Hispanic enrollment at 26 percent.
- Has awarded nearly 100,000 credentials, ranging from bachelor’s degrees to high school diplomas.
- Offers more than 200 degrees, certificates and programs.
- Has planned new developments at the Altamonte Springs and Sanford/Lake Mary campuses to accommodate growth and better serve students.

It all started with a dream...a dream that has been realized in extraordinary ways.  

**Mission Statement**

Seminole State College of Florida enhances the educational, economic and cultural vitality of our region by providing exemplary learning opportunities to our diverse community.

**Vision Statement**

Seminole State College of Florida will be a national leader in academic programs and services that cultivate student achievement, career advancement, and global awareness in a collaborative and inclusive learning environment.

**Core Values**

Seminole State College’s core values define the principles of its diverse college community and guide each of us in promoting an environment where individuals learn, grow, and succeed.

**Integrity**

- We adhere to ethical conduct, fairness, and honesty.

**Respect**

- We embrace diversity, inclusion, and collaboration by respecting the unique qualities of individuals and treating each other with fairness and dignity.

**Excellence**

- We commit to provide academic rigor, an exemplary work environment, and exceptional performance.

**Academic Freedom**

- We foster intellectual inquiry through thoughtful expression of ideas and respectful exchanges of opinions.

**Learning**

- We promote access to learning opportunities, the pursuit of knowledge, and engagement in critical and creative thought.

**Strategic Goals and Associated Strategic Actions**

**Strategic Goal 1: For Our Students...**

Advance student learning and development with innovative programs and services that cultivate student engagement and success.

- Implement effective programs and services that sustain academic excellence and promote student success.
- Use technology to promote student learning and engagement.
- Increase opportunities to expand students’ global perspectives.
Strategic Goal 2:

For Our Employees...

Advance employees’ opportunities for development and success.

• Promote our Core Values in an increasingly diverse, collaborative and inclusive environment.
• Provide an exemplary workplace.
• Implement programs that enhance employees’ skills, credentials and abilities.
• Improve the quality and effectiveness of the College’s systems and processes.

Strategic Goal 3:

For Our Partners...

Advance partnerships that foster academic excellence, student achievement and economic vitality.

• Develop partnerships that strengthen our educational programs and services.
• Develop partnerships that enhance our facilities, campuses and infrastructure.
• Develop partnerships that expand opportunities for our students, employees, and community.

Strategic Goal 4:

For Our Region...

Advance our region as a leader in higher education, workforce development, and community enrichment.

• Position Seminole State College as a first-choice educational destination.
• Align programs and resources with established and emerging workforce opportunities.
• Enrich the quality of life through educational attainment, lifelong learning, economic development, cultural programs and community service.
## College Resources

<table>
<thead>
<tr>
<th>Resource</th>
<th>Contact</th>
<th>Website/Phone Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Academic standing, warning, probation, suspension, dismissal or reinstatement</td>
<td>Academic Advising and Counseling</td>
<td><a href="http://www.seminolestate.edu/counseling">www.seminolestate.edu/counseling</a> 407.708.2337</td>
</tr>
<tr>
<td>Admissions (noncredit programs, such as Adult High School and Continuing Education)</td>
<td>School of Academic Foundations Office</td>
<td><a href="http://www.seminolestate.edu/adult-ed">www.seminolestate.edu/adult-ed</a> 407.708.2153</td>
</tr>
<tr>
<td>Admissions (college credit and vocational)</td>
<td>Admissions Office</td>
<td><a href="http://www.seminolestate.edu/future-students/more-info/contact-us">www.seminolestate.edu/future-students/more-info/contact-us</a> 407.708.2050</td>
</tr>
<tr>
<td>Athletics</td>
<td>Athletics Department</td>
<td><a href="http://www.seminolestate.edu/athletics">www.seminolestate.edu/athletics</a> 407.708.2090</td>
</tr>
</tbody>
</table>
| Books and classroom supplies                                            | Seminole State Bookstores                   | [www.seminolestate.edu/bookstore](http://www.seminolestate.edu/bookstore)  
Altamonte Springs: 407.404.6075  
Oviedo: 407.971.5001  
Sanford/Lake Mary: 407.708.2021 |
| Campus closures                                                         | Emergency Hotline                           | [www.seminolestate.edu/alert](http://www.seminolestate.edu/alert) 407.708.2290 |
| Career research                                                         | Career Development Center                   | [www.seminolestate.edu/careers](http://www.seminolestate.edu/careers) 407.708.2033 |
| Concerns regarding physical plant                                        | Facilities                                  | [www.seminolestate.edu/facilities](http://www.seminolestate.edu/facilities) 407.708.2175 |
| Cooperative education and internships                                   | Career Development Center                   | [www.seminolestate.edu/careers](http://www.seminolestate.edu/careers) 407.708.2033 |
| Counseling and advisement                                               | Academic Advising and Counseling            | [www.seminolestate.edu/counseling](http://www.seminolestate.edu/counseling) 407.708.2337 |
| Disability support services                                              | Disability Support Services                 | [www.seminolestate.edu/dss](http://www.seminolestate.edu/dss) 407.708.2110 |
| Early college/Dual enrollment                                           | Admissions Department                       | [www.seminolestate.edu/early-college](http://www.seminolestate.edu/early-college) 407.708.2050 |
| Emergencies                                                             | Safety and Security                         | [911 or](http://www.seminolestate.edu/security)  
Altamonte Springs:407.404.6100  
Heathrow: 407.708.4410 |
<table>
<thead>
<tr>
<th>Service</th>
<th>Department/Office</th>
<th>Website</th>
<th>Contact Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>International students</td>
<td>International Student Office</td>
<td><a href="http://www.seminolestate.edu/iso">www.seminolestate.edu/iso</a></td>
<td>407.708.2936</td>
</tr>
<tr>
<td>Intramural sports</td>
<td>Intramural Sports Office</td>
<td><a href="http://www.seminolestate.edu/intramural">www.seminolestate.edu/intramural</a></td>
<td>407.708.2091</td>
</tr>
<tr>
<td>Job placement (off-campus)</td>
<td>Career Development Center</td>
<td><a href="http://www.seminolestate.edu/careers">www.seminolestate.edu/careers</a></td>
<td>407.708.2033</td>
</tr>
<tr>
<td>Online class support (distance learning, eLearning)</td>
<td>eLearning</td>
<td><a href="http://www.seminolestate.edu/elearning">www.seminolestate.edu/elearning</a></td>
<td>407.708.2424</td>
</tr>
<tr>
<td>Permission to organize a club</td>
<td>Student Life</td>
<td><a href="https://www.seminolestate.edu/student-life/clubs/">https://www.seminolestate.edu/student-life/clubs/</a></td>
<td>407.708.2611</td>
</tr>
<tr>
<td>Scholarships</td>
<td>Foundation for Seminole State College</td>
<td><a href="http://www.seminolestate.edu/foundation/scholarships">www.seminolestate.edu/foundation/scholarships</a></td>
<td>407.708.4567</td>
</tr>
<tr>
<td>Student records, registration, add/drop, withdrawals, certification to graduate, transfer credit evaluation</td>
<td>Registration and Records Office</td>
<td><a href="http://www.seminolestate.edu/registrar">www.seminolestate.edu/registrar</a></td>
<td>407.708.2050</td>
</tr>
<tr>
<td>Test results and interpretation</td>
<td>Academic Advising and Counseling</td>
<td><a href="http://www.seminolestate.edu/counseling">www.seminolestate.edu/counseling</a></td>
<td>407.708.2337</td>
</tr>
</tbody>
</table>
General Information

<table>
<thead>
<tr>
<th>Testing (placement tests, speciality exams, make-up tests)</th>
<th>Assessment and Testing</th>
<th><a href="http://www.seminolestate.edu/testing">www.seminolestate.edu/testing</a> 407.708.2020</th>
</tr>
</thead>
<tbody>
<tr>
<td>Transfer (in or out)</td>
<td>Registration and Records Office</td>
<td><a href="http://www.seminolestate.edu/registrar">www.seminolestate.edu/registrar</a> 407.708.2050</td>
</tr>
<tr>
<td>Tutoring</td>
<td>Academic Success Centers</td>
<td><a href="http://www.seminolestate.edu/academic-success">www.seminolestate.edu/academic-success</a></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Altamonte Springs: 407.404.6050</td>
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<td></td>
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<td>Heathrow: 407.708.4525</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Oviedo: 407.971.5044</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Sanford/Lake Mary: 407.708.2102</td>
</tr>
<tr>
<td>Veterans support</td>
<td>Veterans Affairs Office</td>
<td><a href="http://www.seminolestate.edu/veterans">www.seminolestate.edu/veterans</a> 407.708.2242</td>
</tr>
</tbody>
</table>

General Statement of Rules and Regulations

General Statement

All students are expected to be aware of the rules, regulations and other information provided in this catalog, the Library Handbook, the Student Rights and Responsibilities or Code of Conduct section of the Student Handbook and on bulletin boards. The Director of Records and Registration/Registrar is responsible for interpreting the College Catalog regarding admission, registration and graduation. When indicated, the director will seek Board approval and/or consult with the College’s Admissions and Graduation Committee. All students are responsible for coordinating their program at Seminole State College with that of the senior college or university of their choice. The College reserves the right to change regulations, policies, schedules and courses without notice.

Nondiscrimination Statement

Seminole State College of Florida strictly prohibits discrimination on the basis of race, color, religion, pregnancy, national origin, ethnicity, age, sex, gender, veterans’ or military status, disability, sexual orientation, genetic information, marital status or any other factor protected under applicable federal, state and local laws, rules and regulations in its programs, activities and employment. This statement supports obligations under Title IX and various other laws including the Violence Against Women Act and the Campus Sexual Violence Elimination (SaVE) Act.

Complaints alleging discrimination shall be submitted to:

Equity Officer: AVP, Equity and Diversity/Title IX Coordinator or by mail at 100 Weldon Blvd., Sanford, FL 32773. Telephone (407) 708-2963; email balanoffj@seminolestate.edu.

Red Flags Rules (Identity Theft Prevention)

The Red Flags Rules Identity Theft Prevention program is designed to detect, prevent and mitigate identity theft in connection with a covered account and to
provide for continued administration of the program in compliance with the Fair and Accurate Credit Transactions (FACT) Act of 2003.

Year Round Operations, Academic Terms and Sessions

Seminole State College offers year-round operations. The academic year is 12 months and includes the following features:

1. The College calendar is coordinated with state university calendars.
2. The College offers three academic terms with multiple sessions within each term, making it possible for students to complete programs early or take developmental course work if necessary. Academic terms include: Fall, Spring and Summer. Academic sessions within the academic term include: Full-Term (FT), Session A, 12-week (12W), Session B and Odd-Term (OT).
3. Extracurricular activities are offered throughout the year.

Sexual Predators or Offenders

Federal and state law requires a person designated as a "sexual predator or offender" to register with the Florida Department of Law Enforcement (FDLE).

FDLE is required to notify the local law enforcement agency where the registrant resides, attends or is employed by an institution of higher learning. The local law enforcement agency is then required to notify the appropriate educational institution.

The College denies admission/enrollment to students who are officially designated as sexual predators/sexual offenders. If an academic term has already begun at the time the College received notification of offender status, the student’s admission will be denied and an administrative withdrawal and refund for fees paid for the term in progress will be processed. The student may also receive credit for required textbooks purchased for classes from which the student has withdrawn. All requests for textbook refunds must be received before the end of the term of withdrawal. For further information, including appeals, refer to College Procedure 1.3000.

Information regarding sexual predators or offenders may be obtained from the local law enforcement agency with jurisdiction for the particular campus or by calling the FDLE hotline at 888.FL.PREDATOR (888.357.7332) or by visiting the FDLE website.

For questions or additional information regarding this notice, contact the director of security at 407.708.2492, room J-010 (building J) on the Sanford/Lake Mary Campus.

State of Florida Requirements-Gordon Rule

State Board of Education Rule 6A-10.030 - Gordon Rule for College Credit Students

Prior to receipt of an Associate in Arts degree from a public state or community college or prior to entry into the upper division of a public university or college, a student shall complete successfully (grade of "C" or higher) the following: six (6) semester hours of English coursework and six (6) semester hours of designated general education humanities, social science and history courses that require the student to demonstrate college-level writing skills through multiple writing assignments and six (6) semester hours of mathematics coursework at the level of college algebra or higher.

Successful completion of the General Education requirements for the Associate in Arts degree satisfies this requirement (State Board of Education Rule 6A-10.030, Gordon Rule) which requires a student to complete multiple writing assignments in designated coursework and complete six (6) semester hours of college-level mathematics courses.

For Associate in Science degrees, ENC 1101, ENC 1102 and mathematics general education courses must be completed with a "C" or higher. Non-exempt students must test out of preparatory English and reading or successfully complete preparatory English
and reading courses prior to enrolling in ENC 1101. If mathematics courses at the level of college algebra or higher are not required for the program, non-exempt students must test out of preparatory mathematics or successfully complete preparatory mathematics courses in order to be awarded an Associate in Science degree.

**Articulation Agreements**

**State of Florida Articulation Agreement**

Seminole State College Associate in Arts degree graduates are guaranteed the following rights under the Statewide Articulation Agreement (State Board of Education Rule 6A-10.024):

1. Admission to one of the state universities, except to limited-access programs that have additional admission requirements.
2. Acceptance of at least 60 credit hours by the state universities.
3. Adherence to university requirements and policies based on the catalog in effect at the time the student first entered a state or community college, provided the student maintains continuous enrollment.
4. Transfer of equivalent courses under the Statewide Course Numbering system.
5. Acceptance by the state universities of credit earned in accelerated programs (e.g., CLEP, AP, Dual Enrollment, Early Admission and International Baccalaureate).
6. No additional general education core requirements.
7. Advanced knowledge of selection criteria for limited-access programs.
8. Equal opportunity with native university students to enter limited-access programs.

Should any of the above guaranteed rights be denied, students should contact Dr. M. Lisa Valentino, Associate Vice President, Academic Services at 407.708.2862 or valentil@seminolestate.edu.

Several types of articulation agreements between local school districts and the College, as well as between the College and bachelor degree-granting institutions, benefit Seminole State students.

Seminole State also articulates college credit for students who have industry-recognized certifications in designated areas that are related to programs of study offered by the College. These agreements are consistent with the Florida statewide Gold Standard Articulation Agreements for industry certifications.

**Florida’s State University System (SUS)**

Associate in Arts (A.A.): Florida Statute 1007.23 and State Board of Education Rule 6A-10.024 assure certain rights to A.A. graduates. An A.A. degree from any institution in the Florida College System, including Seminole State, guarantees admission to an institution in Florida’s State University System (SUS). However, it does not guarantee acceptance to a particular university or a selected, special or limited-access program. A.A. degree recipients compete for admission into these programs.

Associate in Science (A.S.): A statewide agreement allows transfer into an SUS institution for specified A.S. graduates. In addition, A.S. degree programs articulate into the University of Central Florida’s Bachelor of Applied Science Program, which is offered at UCF’s regional campus on the Seminole State Sanford/Lake Mary Campus. Designated A.S. programs also articulate into specific B.S. programs offered by Seminole State.

**DirectConnect to UCF**

DirectConnect to UCF, which was introduced in 2006, is a guaranteed way to gain admission to the University of Central Florida for students who complete an A.A. or A.S. degree at Seminole State. This is consistent with Seminole State and UCF policy. Limited- and restricted-access programs may require an additional admission process. Contact UCF for additional information on DirectConnect.

**Independent Colleges and Universities**

Articulation agreements between the Florida Board of Education and the Independent Colleges and Universities of Florida (ICUF) also benefit A.A.
graduates. For more information on ICUF schools visit the ICUF website. Seminole State also has articulation agreements with private institutions that are not members of ICUF.

Other Agreements

Statewide articulation agreements also exist to award credit for completion of specified postsecondary adult vocational programs as well as for specified industry certifications. Seminole State has articulation agreements with individual institutions located in Florida and other states. Agreements are also in place with technical centers in the Central Florida region. For more information, visit the Seminole State College articulation website.

Excess Hours Advisory Statement

An excess hour surcharge is effective for students who enter Seminole State or any Florida College System institution or state university for the first time as follows:

- For the 2012-13 academic year and thereafter, an excess hour surcharge equal to 100 percent of the tuition rate for each credit hour in excess of 110 percent.

Students whose educational plan may include earning a bachelor’s degree should make every effort to enroll in and successfully complete those courses that are required for their intended major on their first attempt. Students intending to transfer to a state university should identify a major or “transfer program” early and identify admission requirements for that program, including the approved common prerequisites. Course withdrawals and/or repeats, as well as enrollment in courses not essential to the intended major, may contribute to a potential excess hour surcharge.
Admissions

Admissions Information

Seminole State College maintains an open-door policy that guarantees admission for high school graduates with standard diplomas, GED® graduates and graduates from approved home school educational programs, pursuant to Florida Statutes.

All correspondence concerning admission should be sent to:

Seminole State College of Florida
Admissions Office
100 Weldon Blvd.
Sanford, FL 32773

or

admissions@seminolestate.edu

For more information, students may call the Admissions Office at 407.708.2050.

Students are admitted to the College before the Fall, Spring and Summer Terms. Prior to registering for classes, a student should have on file with the College:

1. A completed admissions application;
2. An affidavit of Florida residency;
3. A copy of placement test results, if required;
4. Official final transcripts of all previous colleges attended;
5. Official, final high school transcripts (first-time-in-college students must submit prior to scheduling New Student Orientation and Registration and any student receiving financial aid).

College through graduation. They are cross-trained to handle the majority of transactions including admissions, financial aid, registration and records and basic advising services. Specialists develop positive partnerships with students to foster their academic progress and to help them have a successful college experience.

Campus | Locations
--------|---------
Altamonte Springs | ALT - 101A
Heathrow | HEA - A113
Oviedo | OVI - F100
Sanford/Lake Mary | SLM - A103

eServices

To meet the needs of our eLearning community, Seminole State’s team of online Student Success Specialists provide advising services to help you plan, begin and successfully complete your educational goals. They are cross-trained to provide online student support from inquiry through graduation. These specialists offer student support via email, phone, skype and text. Please visit the eServices website for more details.

Student Welcome

Seminole State’s Student Welcome is designed to introduce new students to the College’s programs and procedures. It also provides useful information about campus rules and regulations. All college credit students must complete the Student Welcome prior to
attending an advising appointment or New Student Orientation and Registration.
# Summary of Admissions Requirements Chart

<table>
<thead>
<tr>
<th>Degree Seeking Students</th>
<th>High School Graduate/ GED* (First Time in College)</th>
<th>Transfer</th>
<th>Readmit</th>
<th>Nonimmigrant International</th>
<th>Technical Certificate or Applied Technology Diploma</th>
</tr>
</thead>
<tbody>
<tr>
<td>Application for Admission</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Residency Affidavit</td>
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<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Official final transcript (Standard High School Diploma Certification of Completion/ CPT Eligible or GED*)</td>
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<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
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<tr>
<td>Placement Testing (PERT, ACT, SAT, CPT)</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>College Transcripts</td>
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<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Financial Documents (F1 &amp; M1 students only)</td>
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<td>✓</td>
<td>✓</td>
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</table>

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<thead>
<tr>
<th>Non-Degree Seeking Students</th>
<th>Dual Enrollment</th>
<th>Transient</th>
<th>Transient (from out of state or private institution)</th>
<th>Post-Graduate</th>
<th>Teacher Recertification</th>
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<tr>
<td>Application for Admission</td>
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<td>✓</td>
<td>✓</td>
<td>✓</td>
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<tr>
<td>Residency Affidavit</td>
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<tr>
<td>Transient Student Form</td>
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<td>✓</td>
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</tr>
<tr>
<td>Application through <a href="https://www.floridashines.org">FloridaShines.org Website</a></td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
</tbody>
</table>

✓ = must satisfy requirement
1. Students who have not successfully completed college English and/or math may be required to submit assessment scores or take a placement test.

2. Submit an official transcript from each institution attended prior to initial acceptance or readmission. Students who have earned six or more transferrable credit hours from a regionally accredited institution prior to July 1, 2012 are not required to submit a high school transcript for admission. High School transcripts are required for Financial Aid.

3. Official transcripts must be submitted to a NACES evaluation company.

4. Nonimmigrant (international) students in select visa classification may be eligible for Florida residency.

5. Submit an official high school transcript if it was not submitted previously to Seminole State.

6. If residency is not coded through FloridaShines.org, students may need to provide documentation.

7. Submit official transcript from highest degree.

8. For certain programs, TABE testing may be required.

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**General Admissions Procedures**

**General Admissions**

The procedure for freshmen or transfer students seeking admission to Seminole State is as follows:

1. Complete an online application. Students may also obtain an application for admission from Student Services on any Seminole State campus or download one online. Completed hard copy applications should be returned to Student Services for processing. The applicant will be notified of the status of his/her application by mail.

2. First-time-in-college (FTIC) students may be required* to have current (less than two years old) ACT, Postsecondary Education Readiness Test (PERT) or SAT scores to register for college credit courses.

*Exempt students are those who entered ninth grade in a Florida public school in Fall 2003 or later and earned a standard high school diploma or are active duty members of any branch of the U.S. Armed Services. You are exempt from the requirements of common placement testing and are provided options including developmental education strategies and/or enrollment directly into ENC 1101, MAT 1033 and MAT 1100.

3. Consult the College Academic Calendar in this catalog for important admission and registration dates.

4. The Admissions Office will notify students of important steps via the email address, phone and text numbers they provided on their application. Once they register for their first class, only their college email will be used.

5. International students must contact the International Student Office on the Sanford/Lake Mary Campus (Student Services, room A-104, or call 407.708.2172).

6. Second language English speakers, whose PERT scores and/or timed writing samples reflect a need for college preparatory English may be required to take specifically designed English for Academic Purposes (EAP) courses, Adult Education ESOL courses or intensive English Language Institute courses.

7. Applicants with a disability who require information about the admissions process, an application for admission or any other information in an alternative format should contact the Disability Support Services Office at 407.708.2109 or TDD/ITTY 407.708.2110.

8. Students are responsible for understanding the requirements for the degree, diploma or certificate
that they seek and for the admissions policies and procedures published in the Seminole State Catalog.

9. Furnishing false or fraudulent statements in connection with an application for admission or residency affidavit may result in disciplinary action, denial of admission, loss of financial aid and invalidation of credits or degrees earned.

10. The College reserves the right to deny or rescind admission to any student whose record of behavior indicates that he or she would disrupt the orderly processes of the College’s programs or would interfere with the rights and privileges of other students.

11. Seminole State does not discriminate on the basis of race, color, creed, ethnicity, national origin, gender, age, sexual orientation, marital or disability status in any of its educational programs or other programs and practices.

12. Applicants who are suspended from another institution for disciplinary reasons will not be admitted until they are eligible for re-admission to the suspending institution. In accordance with Florida statutes, any student who has previously been expelled from a Florida state college or university for unlawful possession, sale or use of narcotic drugs will not be admitted to Seminole State for a period of one year from the date of expulsion. Any student who has been found guilty of campus disruption will not be admitted to Seminole State for a period of two years from the date of such finding.

13. Students on academic suspension at another institution may not attend Seminole State for one semester. After the one-semester suspension, students may enter without petitioning.

14. Students who have not been in attendance at Seminole State for three consecutive semesters or more must complete a new admission application to ensure the College has accurate directory, degree and residency documentation. Any additional information that may be required to complete the student’s current degree and major will be identified.

15. Seminole State may deny credit earned by students if it is determined that they have made false, incomplete or fraudulent statements in connection with their application for admission. In determining Florida residency for tuition purposes, the burden of proof rests with the applicant.

Admissions Requirements for First-Time-in-College Degree-Seeking Students

1. Standard High School Diploma: Florida high school graduates must have earned a standard high school diploma. Non-Florida high school graduates must meet requirements specified in Florida statutes. An official high school transcript (in a sealed envelope) with the high school graduation date is required for admission prior to enrolling in classes.

2. General Educational Diploma (GED®): Students who have a GED® are eligible for admission. An official transcript (in a sealed envelope) noting the GED® results is required for admission.

3. Florida Certificate of Completion (W8A):
   A. Students who have met the 2.0 GPA and all course requirements for a standard high school diploma, but did not pass the FCAT will be issued the W8A Certificate of Completion. These students must sit for a placement test in order to be placed into college credit or remedial courses as appropriate. These students may or may not be eligible for all scholarships or financial aid programs. All school districts must identify students who have met requirements for the W8A Certificate of Completion on the official transcript.
   B. To identify this new credential (certificate), the Withdrawal Reason “W8A” will appear on the high school transcript. In addition, the certificate will bear the designation “Computerized Placement Test Eligible.” This designation will differentiate between the old Certificate of Completion and the new Certificate of Completion.
   C. Students with the new Certificate of Completion who need remediation should be classified as degree-seeking students. These students must meet the college preparatory requirements outlined in section 1008.30(4)(a), Florida Statutes (the same requirements apply to students with a standard high school diploma).
   D. Students with the Certificate of Completion are not eligible to receive federal aid unless they earn a GED®. Students will not be admitted to limited-access programs, programs requiring a
high school diploma, or programs that may include licensure requirements that include a high school diploma. Students should not be admitted to those programs until they have earned the standard high school diploma or its equivalent.

4. **Other Certificate of Completion:** Students who have earned a Certificate of Completion are not eligible for admission into a college credit, technical or non-approved vocational program. They may be admitted into programs that do not require a high school diploma.

5. **Special Diploma:** Students who have earned a Special Diploma are not eligible for admission into a college credit, technical or non-approved vocational program. They may be admitted into programs that do not require a high school diploma.

6. **Home Education Graduate:** Students who have graduated from a home education program are eligible for admission as high school graduates. Students must have affidavits signed by a parent or legal guardian attesting that they have completed a home education program pursuant to the requirements in F.S. 232.0201 and provide their official high school transcripts.

**Official High School Transcripts**

All official high school transcripts should be forwarded to the Office of Enrollment Services. The official high school transcript will be assessed to determine if the school qualifies for confirmation of the ability to award diplomas.

Seminole State College adheres to federal and state policies/directives regarding validation of high school diplomas. The following criteria are examined to determine school validity:

- Does the high school deliver instruction, either online or in person;
- Is the high school able to provide a list of courses and a description of such courses, grading scale, master schedule and academic calendar year? Are they able to describe, communicate and provide validation of the educational product?

To be eligible to receive Title IV, Higher Education Act aid current § 668.32(e) (student eligibility) a student must have a high school diploma or its recognized equivalent, have completed secondary school in a home school setting or pass an independently administered examination approved by the Secretary of the U.S. Department of Education.

Under proposed § 668.16(p), an institution would be required to develop and follow procedures to evaluate the validity of a student’s high school completion if there is reason to believe that the high school diploma is not valid or was not obtained from an entity that provides secondary school education.

**Note:** A student or institution may appeal this decision through the Office of Enrollment Services. However, should the quality of the educational program of the institution attended not meet requirements, the College reserves the right to not accept the high school’s diploma.

**Admissions Requirements for Baccalaureate Students**

Admissions requirements for Seminole State’s baccalaureate degree programs are listed in the baccalaureate section of the College Catalog.

**Admissions Requirements for Transfer Students**

1. Students shall be admitted as transfer students if they have previously attended a college or university.
2. Students who have earned fewer than six semester hours of transferable college credit must also submit an official high school transcript.
3. Students who have earned six or more transferrable credit hours from a regionally
accredited institution prior to July 1, 2012 are not required to submit a high school transcript for admission. High School transcripts are required for financial aid.

4. Transfer students must request official transcripts (in a sealed envelope) from all previous colleges and universities that are regionally accredited and send them to the Enrollment Services/Registrar’s Office. Official transcripts are to have been generated within the past one year. Transferable credit from non-regionally accredited institutions are evaluated on a case-by-case basis. All credits attempted and earned at the baccalaureate level from regionally accredited colleges and universities are accepted to fulfill Seminole State degree requirements. Accepted transfer courses from regionally accredited colleges and universities will satisfy general education requirements for the associate degree only if the courses are essentially the same as a corresponding Seminole State course.

5. All official transcripts should be submitted via hard copy (in a sealed envelope) or electronically, prior to beginning classes.

6. Credits earned at institutions accredited by one of the six regionally-accredited associations will be accepted to fulfill Seminole State degree requirements provided a grade of “D” or higher was earned. However, Gordon Rule courses must be completed with a grade of “C” or higher. Grades of “I” (incomplete) are transferred into Seminole State as a grade of “F.” Credits from non-regionally accredited institutions will be evaluated on an individual basis at the request of the student. Students may be required to provide additional documentation that will assist in this process.

Note: Accredited Institutions
For the purposes of this College Catalog, “accredited institutions” are those colleges and universities accredited by any of the following six regional associations:
- New England Association of Schools and Colleges, Commission on Institutions of Higher Education;
- Middle States Commission on Higher Education;
- North Central Association of Colleges and Schools, The Higher Learning Commission;
- Northwest Commission on Colleges and Universities;
- Southern Association of Colleges and Schools, Commission on Colleges;
- Western Association of Schools and Colleges Accrediting Commission for Senior Colleges and Universities and Accrediting Commission for Junior Colleges.

7. Transfer students are exempt from PERT testing for placement purposes if they transfer in successfully completed college prep courses in reading, writing and math or college-level courses in English and math. Students are exempt from entry testing when their official transcript(s) arrive and are entered into the Seminole State College student database.

8. Transfer students on academic probation, suspension or dismissal from another college should note the following requirements:
- Students are allowed to apply for admission to the College. Once their transcript is received and evaluated, their academic status can change. After transcripts are evaluated, students are alerted to their Standards of Academic Progress as indicated on their Seminole State transcript.
- The Office of Enrollment Services will notify students with regard to their transcript evaluation during their first semester of enrollment. Students may appeal the evaluation prior to the end of their second semester of attendance at the College.
- Seminole State does not award college credit based upon experiential learning.
- The final determination for transfer of credit equivalency decisions rests with the Office of Enrollment Services.

Admissions Requirements for Non-High School Graduates
Students who are not high school graduates but have successfully completed a minimum of 12 semester credits of college-level courses at another institution and have passed an acceptable placement test indicating college readiness (e.g., ACT, SAT or PERT) are eligible for admission to an associate degree
program. Students must provide official transcripts from a previous college or university to determine transferability. However, students without a standard high school diploma or equivalent (GED®) are not eligible for financial aid.

Admissions Requirements for International Students

International students seeking college credit admission on the F-1 visa or seeking postsecondary adult vocational admission on the M-1 visa must meet the following requirements:

1. Completion of the Application for Admission and International Student form.
2. Final placement into English classes is based on Postsecondary Education Readiness Test (PERT) scores for language and reading skills or a combination of PERT, Level of English Proficiency (LOEP), and writing sample scores for possible placement into English for Academic Purposes (EAP) courses. These assessments are made after the student arrives at Seminole State. International students who are not applying for college or whose scores are not appropriate for college may consider non-credit intensive English courses (see English Language Institute section of the College Catalog).
3. Admissions materials must be sent to the Seminole State International Student Office one month prior to the term or session for which the applicant seeks admission.
4. Pay a $50 non-refundable processing fee.
5. Evaluation of Foreign Education Transcript:
   a. If the student attended only high school, transcripts must be officially translated to English and then evaluated by a member of the National Association of Credential Evaluation Services (NACES). The NACES members most commonly used by Seminole State students are World Education Services or Josef Silny and Associates.
   b. All foreign education evaluations must be presented to the International Student Office. Only official documents will be accepted. Facsimiles and photocopies will not be accepted.
6. Demonstration of financial support (acceptable documents include the following):
   a. A signed, original bank letter on letterhead from student or sponsor account, as applicable, stating when the account was opened, type of account and current balance.
   b. Signed and notarized Affidavit of Financial/ Educational Support must state relationship to and responsibility to pay all educational and personal expenses of the student. Also, an Affidavit of Living Expenses should be completed if the student will live with the sponsor.
   c. If bank funds are not enough to cover the cost of educational and living expenses, a signed letter (on letterhead) from an employer must include the job title, salary and length of time employed.
   d. Only documents in English will be accepted. Translations must be completed by an official body (notary public does not automatically qualify as a translator). Only original documents will be accepted. Facsimiles and photocopies will not be accepted.
7. As part of the admissions process, students on an F-1 or M-1 visa must purchase and provide proof of health insurance prior to enrolling in class(es). They must maintain this coverage during their entire period of study. This process must take place every academic year.
8. For transfer students only, the following are needed: in addition to the previous requirements, completed International Student Transfer Form, all previous I-20, I-94 documents, passport and F-1 Visa and official transcripts from previous colleges.
9. According to USCIS, an international student must study full-time. Full-time, college credit studies at Seminole State is a minimum of 12 credits each for the fall and spring semesters. Students who choose to begin during the summer semester must also study full time.

Send all forms and documents in English to:

Seminole State College of Florida
Attn: International Student Office
100 Weldon Boulevard
Guidelines for Level of English Proficiency, Writing and Reading Assessment

1. For placement purposes only, all Seminole State students must meet State of Florida test score requirements (PERT, ACT, SAT) prior to enrollment in courses that require English and reading proficiency. Students who do not meet state minimum requirements will need to complete additional English and/or reading coursework prior to entry into those college-level courses.

2. Students who attended high school in English in the United States for at least four years without enrollment in ESOL classes must take preparatory coursework to meet the state requirements.

3. Students who have not attended high school in English in the United States for at least four years without enrollment in ESOL classes must take English for Academic Purposes (EAP) courses to meet state requirements. Some take non-credit courses prior to EAP. Placement into EAP may require students to take the Level of English Proficiency (LOEP) test and complete a writing sample to ensure the most appropriate placement.

4. Students who have attended high school in English in countries outside the United States where English is the official language may be placed into college-level English courses based on PERT scores or preparatory EAP courses based on PERT scores, LOEP scores and a writing sample. If language interference problems are assessed in writing samples completed by students from countries where English is the official language, students are placed into preparatory EAP courses.

Admissions Requirements for Academic Foundations

Admission requirements for Seminole State’s Academic Foundations programs are listed in the School of Academic Foundations section of the College Catalog.

General Admissions Requirements for Career and Technical Education Programs

Career and Technical Education Programs provide integrated pathways to high-skill/high-wage earning careers that are family sustainable and strengthen the area’s economic health. The region’s major employers are actively vested and engaged with our faculty and programs and Seminole State graduates reflect their expertise and commitment.

Seminole State’s vision is to be the region’s most influential educational institution for career and professional studies education, with employees seeking our graduates before all others.

Limited-Access Programs Placement Eligibility

All candidates for admission to the College are accepted for enrollment as announced in this procedure. However, some programs are regularly identified by Seminole State as limited-access programs.

1. Limited-access programs have specific enrollment eligibility limitation requirements that are imposed because of:
   A. Physical facility limitations;
   B. Faculty and clinical or internship resources;
   C. State licensure rules and regulations established and implemented by outside agencies, boards and entities; or
   D. Related criteria established and implemented pursuant to laws, rules and regulations over which the College has no discretionary authority.

2. Limited-access program students shall be selected for admission to these programs based on:
   A. Equal Access/Equal Opportunity standards;
   B. Past student performance;
C. Academic performance and continuing academic potential.
3. Students seeking placement in such programs receive specific eligibility requirements for admission from the department. The final selection decision for placement in each limited-access program is determined by a department committee. The department provides notification of placement to each limited-access program candidate.
4. Admission decisions related to limited-access programs cannot be appealed except for specific cause.
5. Students who are not selected for admission to a specific limited-access program are encouraged to continue their studies in other programs and courses at the College. Advising services are provided by career program advisors who work with students in each program area. These career program advisors can assist unsuccessful candidates with strengthening their application and/or the selection of alternative educational programs and courses. All students who apply to limited-access programs should contact the appropriate career program advisor early for guidance.

Please Note: Seminole State College does not require health immunizations for admission to Healthcare Programs. However, Healthcare Program students will be required to obtain immunizations prior to participating in clinical experiences and maintain specific immunizations during the specific program. Please contact the department for more information.

### Apprenticeship Programs

**Florida Automatic Sprinkler Training (FAST) and Florida Electrical Apprenticeship Training (FEAT) Plumbing Industry Professional Education (PIPE) apprenticeship programs**

Candidates must:

1. Apply and be accepted to Seminole State College;
2. Be at least 18 years of age;
3. Be physically capable of performing the work of the respective trade;
4. Be able to read and write English;
5. Be employed by a sponsoring company;
6. Schedule an appointment with respective Apprenticeship Coordinator to enroll in program.

### Automotive Programs

**Associate in Applied Science (A.A.S.) Automotive Service Technology (Ford, GM, General Domestic and Imports)**

Candidates must:

1. Apply and be accepted to Seminole State College;
2. If non-exempt, complete the Post-secondary Education Readiness Test (PERT);
3. Provide an official transcript(s) (in a sealed envelope) indicating the successful completion of high school or GED®;
4. Possess a valid Florida driver’s license and provide a 36-month driving record history;
5. Return completed and signed Automotive Program Application form;
6. Schedule an interview with the career program advisor or the program manager;
7. Be able to lift and carry at least 50 pounds.

**Automotive Service Technology Program (Vocational Certificate)**

Candidates must:

1. Apply and be accepted to Seminole State College;
2. If non-exempt, complete the Test of Adult Basic Education (TABE). TABE scores must be at or above 566 for Language, 580 for Reading and 583 for Math to exit the program and receive the completion diploma;
3. Be able to lift and carry at least 50 pounds.
Healthcare Programs

Associate in Science (A.S.) Degree in Nursing (RN)

Candidates must:

1. Apply and be accepted to Seminole State College;
2. If non-exempt, complete the Postsecondary Education Readiness Test (PERT) or SAT;
3. Visit the Nursing Website for program details;
4. Submit the following documentation:
   - Nursing Application: This form must be submitted and is valid for the current admission class. Students who are not admitted must submit a new Nursing Application for the next admission class. The Nursing Application is part of the application packet and is located on the Nursing Website.
   - Test of Essential Academic Skills (TEAS) grade report. See the Nursing Website for required scores.
   - Seminole State College transcript. A GPA of 2.5 or higher on a 4.0 scale for general education and support courses is required. See the Nursing Website for a list of prerequisites.
   - Transcripts from other colleges must be submitted to the College Records Office.

5. Be aware of physical limitations. Bedside nursing can be physically demanding. Student nurses provide care that includes activities such as turning, lifting and transferring patients. Hospital protocol requires all healthcare workers to be physically stable in order to provide care. Hospitals have the ability to deny the use of their facilities to students when the safety of care provided to patients could be compromised. Any student absent due to medical reasons must have a medical release prior to returning to a clinical experience.

Nursing-Concurrent A.S.-B.S.N. Option with the University of Central Florida

This program is a partnership between Seminole State College and the University of Central Florida. It integrates current enrollment in associate and baccalaureate nursing programs simultaneously.

Candidates must:

1. Be admitted into Seminole State College’s Generic Associate Degree in Nursing Program;
2. Be admitted to UCF and the UCF Nursing Concurrent Program;
3. Meet all Seminole State and UCF Nursing prerequisites;
4. Possess a minimum overall GPA as stated on the Seminole State Nursing Website.

If there are more applicants meeting the criteria than available seats, the Seminole State Nursing Admissions Committee will use a selection process. More information about the selection process is available on the Nursing Website.

Physical Therapist Assistant

Candidates must:

1. Apply and be accepted to Seminole State College;
2. If non-exempt, complete the Postsecondary Education Readiness Test (PERT);
3. Complete a minimum of 20 hours of observation, volunteer service or work experience in two or more Physical Therapy Departments (observation hours in excess of 100 hours will not be considered);
4. Complete the required prerequisite courses. See the Physical Therapist Assistant Website for a list of prerequisite courses;

Please note: At Seminole State, General Biology is a prerequisite for Anatomy and Physiology I.

Prerequisite courses may be taken at any accredited college or university (official transcripts must be sent to Seminole State’s Office of Registration and Records). It is the pre-PTA student’s responsibility to request from other
colleges and universities that official transcripts be sent to Seminole State as soon as possible.

5. Submit the completed PTA application packet available on the PTA Website.

Respiratory Care

Candidates must:

1. Apply and be accepted to Seminole State College;
2. If non-exempt, complete the Postsecondary Education Readiness Test (PERT);
3. Provide an official transcript(s) indicating successful completion of high school or GED*; transcripts from other colleges must be submitted to the College Records Office.
4. Complete the following prerequisite courses:
   - BSC 2093C: Anatomy and Physiology I (must earn a grade of "C" or higher). Note: At Seminole State, General Biology (BSC 1010C) is a prerequisite for this course. General Biology can be used to satisfy the four-credit support course elective requirements.
   - ENC 1101: English I. Note: At Seminole State, English I is a corequisite for BSC 1010C. A grade of "C" or higher is required for graduation.
5. Possess intermediate algebra skill level satisfied by completion of MAT 1033 Intermediate Algebra, or test scores which place the student into College Algebra. See the Respiratory Care Website for a list of all prerequisite courses.
6. Submit completed Respiratory Care Application available on the Respiratory Care Website.

Dates for information sessions are available on the Respiratory Care Website or by calling the career program advisor for health programs at 407.404.6004.

If there are more candidates meeting the criteria than available seats, the Respiratory Care Admission Committee will use a selection process. More information about the selection process is available on the Respiratory Care Website.

Public Safety Programs

Correctional Officer: Criminal Justice Academy

Candidates must:

1. Apply and be accepted to Seminole State College;
2. Be at least 19 years of age;
3. Be a U.S. citizen;
4. Provide an official transcript(s) (in a sealed envelope) indicating successful completion of high school or GED*;
5. Possess a valid Florida driver’s license;
6. Have no felony convictions or misdemeanor convictions involving perjury, false statements or moral turpitude;
7. Make an appointment with Testing and Assessment, pay fee and complete the CJBAT battery;
8. Complete the Law Enforcement/Corrections/ Crossover application process and physical fitness assessment.

Law Enforcement: Basic Recruit Criminal Justice Academy

Candidates must:

1. Apply and be accepted to Seminole State College;
2. Provide an official transcript(s) (in a sealed envelope) indicating successful completion of high school or GED*;
3. Be at least 19 years of age;
4. Be a U.S. citizen;
5. Possess a valid Florida driver’s license;
6. Have no felony convictions or misdemeanor convictions involving perjury, false statements or moral turpitude;
7. Make an appointment with Testing and Assessment, pay fee and complete the CJBAT battery;
8. Complete the Criminal Justice Institute application process.
Auxiliary Law Enforcement Officer Vocational Certificate

Candidates must:

1. Apply and be accepted to Seminole State College;
2. Provide an official transcript(s) (in a sealed envelope) indicating successful completion of high school or GED®;
3. Be at least 19 years of age;
4. Be a U.S. citizen;
5. Possess a valid Florida driver’s license;
6. Have no felony convictions or misdemeanor convictions involving perjury, false statements or moral turpitude;
7. Make an appointment with Testing and Assessment, pay fee and complete the CJBAT battery;
8. Complete the Criminal Justice Institute application process.

Crossover Corrections to Law Enforcement: Criminal Justice Academy

Candidates must:

1. Apply and be accepted to Seminole State College;
2. Provide an official transcript(s) (in a sealed envelope) indicating successful completion of high school or GED® and transcript indicating completion of Corrections Academy;
3. Be at least 19 years of age;
4. Be a U.S. citizen;
5. Possess a valid Florida driver’s license;
6. Have no felony convictions or misdemeanor convictions involving perjury, false statements or moral turpitude;
7. Make an appointment with Testing and Assessment, pay fee and complete the CJBAT battery;
8. Complete the Criminal Justice Institute application process.

Emergency Medical Technician - Basic (EMT-B) Certificate Program

Candidates must:

1. Apply and be accepted to Seminole State College;
2. Attend mandatory information session to receive EMT Program application.
3. Submit EMS application to the Fire Science/EMS Department;
4. Submit proof of age (at least 18 years of age);
5. Provide an official transcript(s) (in a sealed envelope) indicating the successful completion of high school or GED®;
6. Submit for and successfully pass an FDLE/FBI criminal background check as identified by the State of Florida Department of Health;
7. Submit proof of current certifications and CPR at the Health Care Provider or Professional Rescuer Level or equivalent;
8. Attend mandatory program orientation. The EMT orientation date will be provided at the EMT information session.

Firefighting Vocational Certificate - Minimum Standards

Candidates must:

1. Apply and be accepted to Seminole State College;
2. Complete EMT-B course;
3. Attend mandatory Firefighting Information Session held by the Fire Science Department;
4. Submit Firefighting Academy application to the Center for Public Safety;
5. Submit proof of age (at least 18 years of age);
6. If non-exempt, complete the Test of Adult Basic Education (TABE) or obtain an exemption;
7. Provide an official transcript(s) (in a sealed envelope) indicating the successful completion of high school program or GED®;
8. Attend mandatory Firefighting Orientation Session held by Fire Science Department.
9. Meet the Bureau of Fire Standards background, medical, and physical requirements as established by F.A.C.;
10. Complete a non-tobacco use affidavit;
11. *Physical agility exam may be required (Scheduling will be completed during information session).

Please note: Priority is given to applicants who are recommended by a Fire Chief, have completed a Paramedic program and earned an A.S. or A.A. degree or higher.

**Paramedic Certificate**

Candidates must:

1. Apply and be accepted to Seminole State College;
2. Submit a completed EMS Paramedic application;
3. Submit proof of age (at least 18 years of age);
4. Provide an official transcript(s) (in a sealed envelope) indicating the successful completion of high school program or GED®;
5. If non-exempt, complete the Postsecondary Education Readiness Test (PERT);
6. Have earned a 2.0 GPA or higher;
7. Attend an information session;
8. Submit and successfully pass an FDLE/FBI criminal background check as identified by the State of Florida Department of Health and drug and alcohol test;
9. Have successfully completed EMT and take the NREMT exam before the end of the first semester of paramedic.

Please note: Applicants who are currently employed by a Seminole County fire department will be allowed the first opportunity to enroll in the Paramedic Program. All other applicants will fill the remaining positions in the class based on their application date and college eligibility.

The Paramedic Certificate and degree have corequisite requirements. Failure to successfully complete any of the corequisite courses will require the student to re-apply to the program. Upon acceptance and return into the Paramedic Program, the student must retake the course(s) they failed and all of the corresponding corequisite courses. A minimum grade of "C" (80%) must be achieved in all Paramedic courses to meet program and graduation requirements.

**Postsecondary Adult Vocational Students**

All non-exempt students entering Apprenticeship Programs, Automotive Service Technology and Child Care Development Specialist programs are required to take the Test of Adult Basic Education (TABE). The TABE is required for all vocational programs of 450 contact hours or more. Students must meet minimum TABE scores before graduation. The TABE is administered before students register for their first semester. The Student Transition and Achievement Resources (STAR) Center offers tutoring for those needing support to meet the minimum scores for both admission and graduation.

1. Postsecondary Adult Vocational (PSAV) students must follow Seminole State general admission procedures. The TABE is required for most certificate programs. Refer to the individual program descriptions for testing and additional program requirements.

Postsecondary Adult Vocational (PSAV) certificate programs include:

- Applied Welding Technologies
- Automotive Service Technology
- Auxiliary Law Enforcement Officer
- Correctional Officer
- Crossover Criminal Justice Academies
- Early Childhood Education
- Fire Academy/EMT Combined
- Firefighting
- Fire Sprinkler Apprenticeship
- Heating, Ventilation, Air Conditioning and Refrigeration (HVACR)
- Law Enforcement Officer

2. All career and technical certificate programs require that students have a high school diploma or GED® with the exception of:
   - Automotive Service Technology
   - Heating, Ventilation, Air Conditioning and Refrigeration (HVACR)
   - Some Apprenticeship Programs
   - Welding Technologies

3. These programs require the Criminal Justice Basic Abilities Test (CJBAT), not the TABE:
   - Auxiliary Law Enforcement Officer
   - Combined Law Enforcement and Corrections

**General Admissions Requirements for**
4. Students are informed of registration procedures by the Admissions Office prior to registration. Students must provide the Admissions Office:
   - A completed Seminole State College application for admission.
   - An official high school transcript(s) (in a sealed envelope) with their date of graduation or an official GED* transcript.
   - Documentation of English proficiency (only for students whose first language is not English).
   - Results of required placement tests.
   - Verification of minimum age requirement of 18 (driver’s license or birth certificate).
   - A completed residency statement with all required documentation. Students who are not Florida residents for tuition purposes must pay non-resident tuition fees.

5. All first-time-in-program students who designate themselves as certificate-seeking in a PSAV program of 450 hours or more are required to take the TABE.
   - Students who have already taken the TABE or another approved examination and their scores are more than two years old and whose tests have not been used for placement are required to repeat the TABE.

The following students are exempt from taking the TABE:

- Students who meet the following criteria based on Senate Bill 1720:
  - Entered 9th grade in a Florida public school in the 2003-2004 school year, or any year thereafter, and earned a Florida standard high school diploma.
  - Serving as an active duty member of any branch of the United States Armed Services.
  - Students who have an A.A.S., A.S., A.A., bachelor’s, master’s or doctorate degree posted on their MySeminoleState transcript from a regionally accredited college/university.
  - Students who have ACT, SAT, CPT or PERT scores posted on their transcript, which meet the minimum test scores in all three areas (reading, writing and math), placing them at college level in all three areas (scores may not be mixed; ie: SAT: Verbal and ACT: Math). Acceptable scores are:

   **ACT (must have all scores):**
   - Reading ≥19
   - English ≥ 17
   - Math ≥ 19

   **SAT (must have all scores):**
   - Reading/Verbal ≥ 440
   - Math ≥ 440

   **CPT (must have all scores):**
   - Reading and Sentence Skills ≥ 83
   - Elementary Algebra ≥ 72

   **PERT (must have all scores):**
   - Reading ≥ 106
   - Writing Skills ≥ 103
   - Math ≥ 114

- Students who have passed all parts of the CLAS requirement (posted on their transcript).
- Students who passed an approved state, national or industry licensure exam (see an advisor for a list of approved licensure exams). Students must provide documentation, such as an official copy of their licensure credentials, official test scores or an official transcript. Apprenticeship students who have earned journeyman status in their area of study may be exempt.

Students requesting a TABE exemption based on one of the above conditions must go to the Assessment and Testing Office to complete and submit a TABE Waiver Request Form.

Students requesting a TABE exemption based on Senate Bill 1720 do not need to submit a TABE Waiver Request form, but must have official high school transcripts on file with the Registrar’s office to be recognized as an exempt student.

Each career and technical certificate program has a TABE score requirement for reading, language and mathematics. For most programs, students must test prior to their orientation. However, if students are unable to meet the minimum scores required for their certificate program, they may be allowed to enroll and begin classes. These students must seek assistance...
from the STAR Center to strengthen their skills and then retake the TABE to achieve the required scores in reading, language and math before they complete their certificate program.

Students without a high school diploma or GED* who enroll in select PSAV programs must be at least 18 years old and complete the TABE. They are also encouraged to pursue additional coursework through Seminole State’s School of Academic Foundations.

Admissions Requirements for Non-Degree Seeking Students

Dual Enrollment

Students who reside in Seminole County or who are enrolled in a Seminole County Public School or in a non-public school (including home school) that is in compliance with Florida Statute 1002.42(2) and conducts a secondary curriculum pursuant to Florida Statute 1003.43 are eligible for dual enrollment. Students may not withdraw without high school approval. (For more information please see the Alternative Ways to Earn Credit section).

Transient

Students in good standing at other colleges may be admitted as transient students to take courses for transfer back to their home institutions.

Students must produce a transient form or letter indicating their good standing, specific courses to be taken and the parent institution’s willingness to accept the credit earned prior to registration for classes. The form can be completed on the FloridaShines Website and will serve as the application for admission as well as the residency and transient form. If the home institution is not listed on the FloridaShines Website, the student must apply to the College, complete a residency affidavit and obtain a transient form from the home institution.

Post-Baccalaureate Non-Degree Seeking

Students who have earned a bachelor’s degree or higher may enroll in lower and upper division college courses. Students admitted in this category must:

• Complete the application process for admission;
• Indicate that a Seminole State degree or certificate is not sought;
• Provide an official transcript from the degree-granting institution prior to enrolling in classes.

Students are responsible for their own advising and determining the transferability of credits earned at Seminole State as a non-degree student toward a degree program at another institution.

Post-Associate Non-Degree Seeking

Students who have earned an associate degree but not a higher-level degree may enroll in lower division college courses. Students who are admitted in this category must:

• Complete the application process for admission;
• Indicate that a Seminole State degree or certificate is not sought;
• Provide an official transcript from the degree-granting institution prior to enrolling in classes.

Students are responsible for their own advising and are required to meet all prerequisites and corequisites for courses they intend to enroll in, including appropriate placement scores when required. Determining the transferability of credit earned at Seminole State as a non-degree student toward a degree program at another institution is the sole responsibility of the student.

Post-High School Non-Degree Seeking

Non-degree seeking students with a high school diploma but no college degree who are non-degree seeking typically take courses for job improvement or personal enrichment. The following requirements
apply to non-degree seeking students with a high school diploma but no college degree:

- Must complete the application process for admission;
- Are exempt from College Level Placement Tests;
- May enroll in any college level course except English or mathematics courses and courses with English or mathematics courses as prerequisites or corequisites;
- Meet all prerequisite and corequisite requirements;
- May complete up to 11 hours in non-degree seeking student status. Once a non-degree seeking student enrolls in the 12th hour, he/she must be reclassified to degree-seeking status and will be required to meet degree-seeking admission and placement testing requirements.

**Teacher Recertification**

Certified K-12 teachers who choose to attend Seminole State to enroll in courses required for recertification must submit their teaching certificate as proof of a bachelor’s degree. These students may enroll in lower division college courses and will not be required to satisfy course prerequisites and corequisites. Students admitted in this category must:

- Complete the application process for admission;
- Indicate that a Seminole State degree or certificate is not sought and student will be enrolling to satisfy teacher recertification requirements;
- Submit a copy of their teaching certificate;
- Students are responsible for their own advising.
Records

Records Notification

It is the student’s responsibility to notify Seminole State College of any change in records, such as address, status, etc. Students are required to keep Seminole State informed of their current mailing address which can be updated through their MySeminoleState account. All documents submitted to Seminole State become the property of the College and will not be returned.

Notification of Student’s Rights under the Family Educational Rights and Privacy Act (FERPA)

The Family Educational Rights and Privacy Act (FERPA) affords students certain rights with respect to their education records. They are:

1. The right to inspect and review the student’s education records within 45 days of the day Seminole State College receives a request for access. Students should submit to the Registrar or a College official a written request that identifies the record(s) they wish to inspect. Seminole State officials will make arrangements for access and notify the student of the time and place where the records may be inspected. If the records are not maintained by the official to whom the request was submitted, the official shall advise the student of the correct official to whom the request should be addressed.

2. The right to request the amendment of the student’s education record(s) that the student believes are inaccurate or misleading. The student should write the College official responsible for the record, clearly identify the part of the record they want changed and specify why it is inaccurate or misleading. If the College decides not to amend the record as requested by the student, the student will be notified of the decision and advised of his or her right regarding the request for amendment.

3. The right to control access to personally identifiable information contained in the student’s education records, except to the extent that FERPA authorizes disclosure without consent. One exception that permits disclosure without consent is disclosure to school officials with legitimate educational interests. A school official is a person employed by Seminole State College in an administrative, supervisory, academic, research or support staff position, including law enforcement unit personnel; a person or company with whom Seminole State has contracted, such as an attorney, auditor or collection agent; a person serving on the District Board of Trustees; or a student serving on an official committee, such as a disciplinary or grievance committee or assisting another school official in performing his or her tasks. A school official has a legitimate educational interest if the official needs to review an education record to fulfill his/her professional responsibility. Upon request, the College discloses education records without consent to officials of another school in which a student seeks or intends to enroll.

4. The right to file a complaint with the U.S. Department of Education concerning alleged failures by Seminole State College to comply with the requirements of FERPA. The name and address of the office that administers FERPA is:

Family Policy Compliance Office
U.S. Department of Education
400 Maryland Avenue SW
Washington, DC 20202-4605

Directory Information

Seminole State College designates the following items as directory information. The College may disclose any of these items without prior written consent of the student unless the student files a written request to restrict directory information access:
Social Security Number Collection Statement

Seminole State College recognizes that an individual’s Social Security number is a unique form of identification that can be utilized to obtain sensitive information. However, Seminole State must collect Social Security numbers under certain circumstances to accurately and efficiently perform its duties and functions as an educational institution.

Social Security numbers are collected only for the following purposes:

- Administration of federally funded financial aid and student services programs
- Background checks
- Billing and payments
- Identification and verification
- Independent contractors
- Payroll administration
- State and federal educational and employment reporting
- Tax reporting
- Vendor applications

This Social Security Number Collection Statement has been prepared by Seminole State College in compliance with Section 119.071(5), Florida Statutes 2007, January 2008, April 2011.

Graduation Honors and Honors Diploma

College credit and postsecondary adult vocational students are eligible for graduation honors if they have been in attendance at Seminole State for at least two full terms. The appropriate honors are recorded on the students’ diplomas and their names are identified in the graduation program. Colleges and universities utilize the following criteria to award academic honors:

Grade Point Average Honors

- Cum Laude: 3.2-3.49
- Magna Cum Laude: 3.5-3.79
- Summa Cum Laude: 3.8-4.0

College credit students who have earned at least 20 hours in honors courses and have at least a 3.2 GPA will receive an Honors Diploma and be recognized at graduation.

The Science Merit Diploma is awarded to those who complete the required courses with a GPA of at least 3.3.

Recognition of Phi Theta Kappa and Phi Beta Lambda is posted to the student’s transcript and noted on the diploma at the time of graduation.

Academic Recognition

The Seminole State College of Florida District Board of Trustees recognizes superior academic achievement.
### Types of Records Maintained

<table>
<thead>
<tr>
<th>Type</th>
<th>Location</th>
<th>Custodian</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Student Records</td>
<td>Enrollment Services/Registrar Student Services Building (A-104) Sanford/Lake Mary Campus Phone: 407.708.2028</td>
<td>Director of Enrollment Services/Registrar</td>
</tr>
<tr>
<td>Financial Aid Records</td>
<td>Student Financial Resources Weldon Building Sanford/Lake Mary Campus Phone: 407.708.2044</td>
<td>Director of Student Financial Resources</td>
</tr>
<tr>
<td>Financial Records</td>
<td>Finance and Budget Office L Building (L-213B) Sanford/Lake Mary Campus Phone: 407.708.2138</td>
<td>Associate Vice President, Business Services</td>
</tr>
<tr>
<td>Student Assessment Records</td>
<td>Assessment and Testing Office Student Services Building (A-107) Sanford/Lake Mary Campus Phone: 407.708.2019</td>
<td>Director of Assessment and Testing</td>
</tr>
<tr>
<td>Student Disciplinary Records</td>
<td>Dean of Students Office Weldon Building Sanford/Lake Mary Campus Phone: 407.708.2318</td>
<td>Dean of Students</td>
</tr>
</tbody>
</table>

For additional information about FERPA, please contact the Registrar’s Office @registrar@seminolestate.edu

### Classification of Students and Enrollment Verification

- **Freshman:** You are classified as a freshman if you have completed less than 30 college-level credits toward a degree.
- **Sophomore:** You are classified as a sophomore if you have completed at least 30 college-level credits toward a degree.
- **Junior:** You are classified as a junior if you have completed at least 60 college-level credits and are admitted to a bachelor’s degree program.
- **Senior:** You are classified as a senior if you have completed at least 90 college-level credits and are admitted to a bachelor’s degree program.
- **Non-Degree-Seeking Student:** A student admitted for purposes other than earning a degree.
- **Transient Student:** A student who is registered for a course(s) at Seminole State College with the approval of their home college or university for that specific course(s). Degree-seeking students currently enrolled at Seminole State who wish to enroll in a course at another institution for the purpose of applying that credit toward their degree at Seminole State will maintain their current degree-seeking status and are not classified as “transient” at Seminole State.
Audit Student: A student who enrolls in a college course in which no credit is earned. Audit students must complete the admission process and meet all requirements as a student attempting the course for credit. Students may not register to audit a course until the add/drop period begins. Students cannot change from an audit to credit after the add/drop deadline.

Enrollment Verification

Full/Part-Time Credit
Requirement per term

- College Credit: 12 credit hours/6-11 credit hours
- Vocational: 15 contact hours/7.5-14.5 contact hours
- ABE/GED: 15 credit hours/12 credit hours
- ESOL: 20 contact hours/12 contact hours
- High School: Full-time days = 18 credit hours (minimum three classes; each class must have six contact hours); Full-time nights = 12 credit hours (minimum two classes; each class must have six contact hours)
- Social Security: 21 contact hours/20 contact hours or less

Grades and Transcripts

Grade Point Average (GPA): Final grades for each term are recorded and preserved. The following chart is used to calculate the GPA:

<table>
<thead>
<tr>
<th>Letter Grade</th>
<th>Short Description</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Excellent</td>
<td>4</td>
</tr>
<tr>
<td>B</td>
<td>Good</td>
<td>3</td>
</tr>
<tr>
<td>C</td>
<td>Average</td>
<td>2</td>
</tr>
<tr>
<td>D</td>
<td>Passing</td>
<td>1</td>
</tr>
<tr>
<td>F</td>
<td>Failure</td>
<td>0</td>
</tr>
</tbody>
</table>

The following enrollment codes do not affect GPA:

<table>
<thead>
<tr>
<th>Letter Grade</th>
<th>Description</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>I</td>
<td>Incomplete</td>
<td>0</td>
</tr>
<tr>
<td>W1</td>
<td>Student withdrawal</td>
<td>0</td>
</tr>
<tr>
<td>W2</td>
<td>Faculty withdrawal of the student</td>
<td>0</td>
</tr>
<tr>
<td>W3</td>
<td>Administrative withdrawal of the student</td>
<td>0</td>
</tr>
<tr>
<td>W4</td>
<td>Faculty withdrawal of the student based on no attendance</td>
<td>0</td>
</tr>
<tr>
<td>W5</td>
<td>Withdrawal of the student based on administrative refund</td>
<td>0</td>
</tr>
<tr>
<td>X</td>
<td>Audit</td>
<td>0</td>
</tr>
<tr>
<td>NC</td>
<td>Non-credit course</td>
<td>0</td>
</tr>
<tr>
<td>NG</td>
<td>No grade assigned</td>
<td>0</td>
</tr>
<tr>
<td>P</td>
<td>Passing</td>
<td>0</td>
</tr>
<tr>
<td>SP</td>
<td>Satisfactory Progress</td>
<td>0</td>
</tr>
<tr>
<td>U</td>
<td>Unsatisfactory progress</td>
<td>0</td>
</tr>
</tbody>
</table>

1. Incomplete: An "I" may be given when the student has not completed the required coursework by the end of the term. To award this grade, the student must present valid reasons to the instructor for not having completed the course requirements. The "I" grade will become an "F" 30 days from the first day of the next semester if the coursework is not completed during this time period. Transcripts will indicate "grade lapse" when "I" grades are lapsed to the grade of "F." The student is not eligible for graduation or honors until all "I" grades have been changed on the academic record. The "I" grade may also affect eligibility for financial aid.

2. Withdrawal: Florida State Board of Education Administrative Rule, Chapter 6A-14.0301, requires state colleges to adhere to the following
procedures relating to the award of a "W" when students withdraw from a course:

A. The student may withdraw without academic penalty from any course by the midpoint of the semester or term. A withdrawal is considered an "attempt;"
B. The student will be permitted a maximum of two withdrawals (two attempts) per course;
C. Upon the third attempt, the student will not be permitted to withdraw and will receive an "A," "B," "C," "D" or "F" grade for that course. An appeal for a fourth attempt may be submitted based upon major extenuating circumstances.

3. Audit: Students who wish to enroll in a course but do not want to receive a grade or credit for that course may enroll for an audit. Students will not be allowed to change from audit status to credit status or from credit status to audit status after the 100 percent refund date each term. Audit courses will be included on the student's academic record with a grade of "X."

4. Non-Credit: The "NC" is assigned automatically for any zero-credit-hour course. "NC" is used for continuing education, economic development, lifelong learning and other classes for which no credit is awarded.

5. No Grade Assigned: The "NG" is assigned by the Enrollment Services Office in cases where the instructor did not submit a grade in time for normal processing of grades. The student is not eligible for graduation or honors until all "NG" grades are removed from the academic record.

6. Satisfactory Progress and Unsatisfactory: The "SP" and "U" grades are used only for those courses that have received prior approval through the curriculum review process to award the satisfactory/unsatisfactory grades.

Grade Forgiveness Policy

The grade forgiveness policy allows a student to repeat a course in which the student has earned a "D" or "F" in an attempt to improve the grade earned in the course. Only the last grade earned in a repeated course will be computed into the student's GPA, provided the final grade is not an "NC," "X" or "W." A student is limited to two repeat attempts per college credit course. The final course attempt will be applied in the student’s degree audit.

All courses attempted at Seminole State will appear on the student’s transcript. Repeated courses will be indicated by a "Previous Attempt" for initial attempt and "Repeated for credit" for the final attempt. Courses that may be repeated more than once for credit will be indicated with an "Allow."

Students should be aware that some colleges and universities may not honor Seminole State’s forgiveness policy and compute the initial attempt in the GPA. Once a degree is awarded, a student may not repeat a course to improve that degree’s GPA.

Students may not repeat courses by credit-by-examination. Students receiving financial aid should consult with the Financial Aid and Scholarship Office prior to enrolling in any course for grade forgiveness.

Grade Reports and Transcripts

Grades are accessible online via MySeminoleState approximately one week after the end of each session or term. Grade reports are not mailed to students. Please check the academic calendar for specific grade post dates.

College students and vocational career students may request an official transcript* through MySeminoleState. Transcript requests are processed by the National Student Clearinghouse. Printed transcript request forms are no longer accepted. Official transcripts for Adult High School and Adult Education students must be requested through Seminole State’s Enrollment Services Office. For more information, visit Seminole State’s Enrollment Services Website.

*Official Transcript: Official transcripts must have the College seal, the Registrar’s signature and remain in the original sealed envelope. If the seal is broken (envelope opened) the transcript is no longer official and will not be accepted. Official transcripts are for colleges, universities and employers. Incoming, secure PDF transcripts must be sent directly to studentrecords@seminolestate.edu from the issuing institution or by one of the following services: Credential Solutions, National Student Clearinghouse, Scrip Safe, Parchment, Scribbles Software (ScribSoft),

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or JST (Joint Services Transcript). Forwarded emails from students with transcripts attached are not acceptable.

**Withdrawals**

**Student Withdrawals:** A student desiring to withdraw from a course after the add/drop period must initiate withdrawal procedures by completing the withdrawal form and submitting it prior to the published deadline. Withdrawals are not official until the completed withdrawal form is received, approved and processed by Student Services or eLearning. The student is solely responsible to ensure the accuracy of the course(s) and section number(s) from which he/she wishes to withdraw. Students can withdraw through eServices. Students cannot withdraw by phone or via their MySeminoleState account.

The final withdrawal date shall be interpreted to mean the point by which midterm assessments are completed. This will be the day that is closest to, but not to exceed, 61 percent of the total class days for that class. Withdrawal deadlines for the term are published in the official College Catalog academic calendar section.

Students should be aware that a reduction in course load may jeopardize their athletic eligibility, financial aid, Veterans benefits, standards of progress and student visa status.

State Board Rule specifies that students are permitted a maximum of three attempts per course. Upon the third attempt, students must pay full cost of tuition. Students are not permitted to withdraw from the course and will receive a grade for that course.

Before the third attempt, students may withdraw without penalty from any course before the midpoint in the semester. Student withdrawals after this date are not permitted.

**Administrative Withdrawal from Courses:** Faculty have the right to withdraw a student from class for “no attendance” as determined by the established College procedures.

A student who is absent from class 10 percent of the scheduled class time is subject to be withdrawn without warning by the instructor. Attendance for an online course is at the discretion of the instructor. The last day an instructor may withdraw a student will be the day closest to, but not to exceed, 61 percent of the total class days for that class. After the 61 percent date, the faculty may assign a grade of “F” for lack of attendance.

**Withdrawal from the College:** Students who withdraw or are withdrawn from all courses must follow the same procedures as students who are withdrawing from one course. Failure to follow procedures may cause a student to fail courses unnecessarily. Students who withdraw after the published add/drop period are not eligible for a refund.

**Medical Withdrawal from Classes:** Procedure 4.0705 recognizes that emergency or extraordinary medical circumstances occur that are out of the student’s control, resulting in students not being able to demonstrate mastery of the student learning outcomes and/or meet attendance requirements identified in the course(s) for which they are enrolled. When this is the case, the student can request a medical withdrawal from one or more classes when experiencing a serious illness or serious injury necessitating a medically necessary absence from the remainder of the semester, accruing no credit.

The guidelines and required forms are located online at the Registration and Records Forms page. The “Medical Withdrawal Request Package” can be downloaded/printed using the following link: https://www.seminolestate.edu/registrar/onlineforms.

**Request for Official Transcripts**

**Official College Transcripts**

National Student Clearinghouse provides online transcript ordering services for the College.
Processing

- Orders take two to three business days to process from: a) the date they are received by Seminole State College; b) the date grades are posted; or c) the date a degree is posted.
- The timeline is determined by the processing option selected on the transcript order form. During peak periods, transcript requests may take longer than three business days to process.
- Official transcripts cost $5 each. Payment must be submitted at the time of the request. Payments will not be processed until the order is completed. Any questions regarding payment or ordering should be directed to the National Student Clearinghouse.
- Seminole State College will not release an official transcript until all outstanding obligations are resolved. Outstanding obligations include, but are not limited to, short-term loans, library books and high school and college transcripts.

Ordering Instructions

Students with MySeminoleState access:

- Log in to MySeminoleState. If the student is lacking a login name or password, click “Forgot Your Login Name or Password” on the MySeminoleState home page.
- Click “Student Center.”
- Click ”Transcript Request” from the ”other academic...” drop-down menu. Click the >> icon to the right of the menu.
- Click ”Request official transcript.”
- Login to the National Student Clearinghouse website using your MySeminoleState login/ password.
- Once the Clearinghouse website displays, click the ”Order or track a transcript” button.
- Click the “Start” button and follow the Clearinghouse’s instructions to complete the transcript order.
- The site guides students through the remainder of the ordering procedure, including processing options, delivery methods, fees and ordering multiple transcripts.

Students without MySeminoleState access:

- Visit the National Student Clearinghouse Website.
- Click the “Order or Track a Transcript” button.
- Select “Seminole State College of Florida” from the drop-down list. Click “Submit.”
- Click the “Start” button and follow the Clearinghouse’s instructions to complete the transcript order.
- The site guides students through the remainder of the ordering procedure, including processing options, delivery methods, fees and ordering multiple transcripts.
- Sign the required consent form and return it to the National Student Clearinghouse. Note: This step can take several days to complete.

NOTE: For alternative ordering options - if credit card payment is not available to student, please contact student records at studentrecords@seminolestate.edu.

Delivery

Seminole State College will attempt to send official transcripts electronically. If the receiving institution cannot accept them in this format, transcripts will be mailed first class through the U.S. Postal Service. Please allow up to 10 days for delivery after processing has been completed.

The Registrar’s Office is not responsible for incorrect addresses provided on transcript order forms. It is the student’s responsibility to verify the accuracy of all recipient addresses. If an official transcript cannot be delivered due to an incorrect address, the student will have to resubmit the request with the correct address and pay an additional $5 processing fee.

Note: Pick-up, fax and Express Mail services are not available for transcripts.

Unofficial Transcripts

Students may obtain an unofficial transcript at any time through their MySeminoleState account. To access an unofficial transcript:

- Log in to MySeminoleState.
- Click “Student Center.”
- Select ”Transcript Request” from the ”other academic ...” drop-down menu. Click the >>icon to the right of the menu.
• Click “View my unofficial transcript.”
• Click “view report” button on the right.
• View and/or print your unofficial transcript.

School of Academic Foundations Transcripts

Adult High School and Adult Education transcripts are not available through the National Student Clearinghouse and must be requested through the Registrar’s Office. To request an Adult High School or Adult Education transcript:

• Download and print an Adult High School and Adult Education Transcript Request form.
• Sign and submit the completed form to Enrollment Services. Electronic signatures are not accepted. Students can submit the form via mail, email, fax or at any Seminole State Student Services Center.

Mail:

Seminole State College of Florida
Enrollment Services/Registrar
100 Weldon Blvd.
Sanford, FL 32773
Fax: 407.708.2029

Additional Information

For questions regarding a National Student Clearinghouse service, please contact the Clearinghouse’s Customer Service Department at 703.742.4200, transcripts@studentclearinghouse.org National Student Clearinghouse, 2300 Dulles Station Blvd., Suite 300, Herndon, VA 20171.
Registration

Registration Procedures for College Credit

The U.S. Department of Education developed new regulations, effective July 1, 2011, in response to the rapid growth of enrollment, debt load and student default rates at postsecondary institutions. The regulations are intended to strengthen the integrity of the federal student aid program and to ensure that taxpayer funds are used appropriately. The College is required to abide by these regulations which include (but are not limited to):

• Return of Federal (or Title IV) Funds and Attendance

Students must earn their financial aid by sufficient attendance and progress in classes. If a student does not attend or is a “no show,” the student is responsible for paying back all funds attributed to that course. Also, if a student does not attend past the 60% point of the payment period (module or term), a Return to Title IV calculation must be performed which could result in the requirement that a student repay some of those funds.

• Retaking Coursework

Students who pass a course and elect to retake the course can receive Title IV (aka “federal”) assistance for retaking that course a maximum of one time. According to the federal rules, a grade of “D” is passing. Note: Some courses have prerequisites of a minimum grade of “C” earned in the prerequisite course.

• Standards of Academic Progress (SAP) for Financial Aid

Federal financial aid is intended to help students attend college with the goal of completing a degree or credential. Recipients are expected to attend classes, make progress toward completing their selected program of study and do so in a fairly efficient manner. Ongoing eligibility for federal financial aid requires that students demonstrate satisfactory progress toward completion of the declared program of study. Ongoing eligibility requires the following:

1. Maintain at least a 2.0 GPA;
2. Successfully complete at least 67 percent of the coursework attempted (students who fail or withdraw from an excessive number of classes fail to meet this criterion);
3. Complete the declared program of study within 150 percent of the published program length.

While Standards of Academic Progress for Financial Aid has long been in effect, the new regulation requires institutions to review the standards more rigorously. For more information, visit the Standards of Progress website.

• Financial aid eligibility is calculated based only on courses required or allowed as electives in the student’s declared program of study. This does not include any additional hours required to meet Seminole State College’s Residency requirement.

It is critical that students obtain an educational plan and adhere to it. Financial aid awards will be based only on the required and allowed courses in the declared program of study listed on the student’s record.

More information about the Federal Integrity Rules is available online through the Federal Register.

Helpful Information for Students

• Students should consult with an educational advisor to obtain an educational plan during their first semester. Only courses required or allowed in the declared program of study listed on a student’s record can be used to determine the financial aid award. Taking courses that are not required or allowed for a degree increases out of pocket costs and can delay earning a degree or credential.
• Attend classes and keep up with coursework. Students should consult with an academic advisor to review the courses required for a program and understand the amount of course load recommended to complement other responsibilities.
• It is recommended that students who work full-time should take no more than two classes at a time to prevent withdrawals or course failures.
• Take advantage of the tutoring, academic advising and other student support services available on each campus to ensure success in achieving academic goals.

Financial Aid Eligibility

Students are alerted with important information about required and allowed courses listed for their specific program of study, but it is ultimately the student’s responsibility to consult with their Academic Advisor to ensure that they are taking the correct courses. Messages may be sent to the student’s Message Center, and in some cases, students will receive a pop-up message in their MySeminoleState account requesting permission to continue registration if a course for which they are attempting to enroll is outside their program/plan. This process will:

• Assist students in avoiding classes not needed for graduation;
• Alert students to courses that will not be counted in determining enrollment levels for financial aid purposes.

Students who wish to use financial aid awards to pay for tuition must accept their aid and sign a deferment request electronically each term of enrollment. Students must carefully read the eligibility criteria associated with each financial aid program awarded to determine the required enrollment levels necessary to receive the awards. By signing a deferment, payment for all classes in which a student enrolls, including classes that are not financial aid eligible, will be deferred to the due date. If a student’s enrollment at the end of the add/drop period does not contain the minimum number of financial-aid-eligible courses needed for aid disbursement, he/she will be ineligible for aid and will be required to pay out of pocket for all of the classes.

If a student chooses to enroll in classes that are not financial aid eligible based on the program of study, he/she should consult with a Financial Aid Specialist or a Student Success Specialist prior to the end of the add/drop period to determine how this will affect his/her aid eligibility and excess hours for their degree or program. For more information, visit the Financial Aid website or call 407.708.2045.

First-Time-In-College (FTIC) Registration

New student course registration is available by enrollment appointment only. For students to receive a registration appointment, the following documentation must be submitted to the Admissions Office:

1. Application for admission;
2. Residency statement;
3. Official high school transcript(s) (in a sealed envelope) and/or GED®;
4. Official college transcript(s) from all previously attended schools (in a sealed envelope);
5. Placement test scores (ACT, PERT or SAT) that are not more than two years old;
6. Documentation of English proficiency (for students whose native language is not English).

Attempts Per Course

Florida State Board of Education administrative rules limit the number of times a student may attempt a course. An attempt is defined as: student enrollment in a course(s) after the 100 percent refund deadline (add/drop period) date.

The total attempts limitation does not apply to repeatable courses, such as music, choir and teacher recertification.

Additional Fees for Course Repeats

Effective Fall Term 1997 and thereafter, students enrolled in the same college credit course more than two times must pay fees at 100 percent of the full cost of instruction. Full cost of instruction is equivalent to
the tuition fees assessed to non-Florida residents. Upon the third attempt, the student is assessed the full cost of instruction, is not permitted to withdraw and will receive a grade for the course. A fourth attempt may be allowed based on major extenuating circumstances. Should the appeal for a fourth attempt be approved, the grades from the third and fourth attempts will be calculated in the GPA and the full cost of instruction will not be waived per state statute. This is the last opportunity to complete the course, and if the student should stop attending, a grade of “F” will be assigned.

**Registration After A Class Has Met**

Students may register for classes through the end of the add/drop period. To support the success of our students, courses that have already met are not available for self-service registration. Research has shown that students who are present from the first day of class have higher success rates. Please contact your advisor if you’d like more information. Students are encouraged to register for classes offered later in the term, including those in alternate sessions such as Odd Term, 12W and B sessions.

**Senior Citizens**

The District Board of Trustees waives any or all tuition and fees for one college credit course per semester (up to four credit hours) for persons 60 years of age or older who are residents of the State of Florida. This privilege will be granted only if such college credit classes are not filled (space available basis) during the add/drop period of registration. Courses in which students have earned a grade of “C” or higher may not be repeated unless the course has been designated as repeatable. The College may limit or deny this privilege for courses in programs for which the board has established selective admission criteria.

Courses may be taken for credit or audited. Courses that have selective admission criteria or courses offered through the vocational non-credit or online third party providers are not included under this program. Senior citizen students are financially responsible for appropriate laboratory fees. Only college credit classes qualify for senior citizen waivers and laboratory fees must be paid separately.

Students who qualify for the tuition waiver must show proof of age via an official government issued photo identification to a Student Success Specialist. Students who qualify for the tuition waiver must follow the same entrance requirements as students whose fees are not waived. If a student’s program plan is post-high school, he/she must show proof of high school graduation prior to enrollment; if the student’s program plan is post-baccalaureate, he/she must demonstrate proof of earned baccalaureate degree prior to enrollment. If the student is in a post-associate degree plan, they must show proof of earned associate degree prior to enrollment. Degree-seeking students must be admitted and submit official transcripts from any previously attended schools. Students wanting to audit a course can only choose this option during the add/drop period.
Graduation Requirements

**College Graduation Requirements**

Graduation and certificate requirements may change due to changes in state laws or rules. Students are encouraged to visit with an academic advisor prior to each term. Any requests for course waivers or substitutions must be submitted in writing and approved by the Admissions and Graduation Committee for the Associate in Arts degree or the appropriate dean for the Bachelor, Associate in Science degrees, and certificates and processed by Enrollment Services prior to the end of the term in which the student plans to graduate. In addition, all course re-evaluations, course substitutions, career pathways credits, grade changes and milestones must be submitted and/or met prior to the end of the term in which the student plans to graduate.

Students are responsible for meeting the requirements for graduation or program completion as set forth in the College catalog and any published changes for the specified catalog term by the end of the term in which the student plans to graduate.

The catalog considered “in effect” and binding on the student is one of the following:

1. The catalog semester/program plan under which a student originally enrolled. The student is not required to be enrolled continuously. However, the student must graduate or complete his or her program within five years from the initial semester of enrollment.
2. The catalog under which a student is re-admitted will govern the student’s graduation requirements. A student previously enrolled whose attendance is interrupted by 12 months or more will be re-admitted under the current catalog year and must graduate or complete his or her program plan within five years from the semester of re-admission under that catalog.
3. The catalog semester in which a student changes or begins a new program plan. A student may change his or her program plan prior to the first day of classes of a semester. Once classes for the semester begin, any requested program changes will be processed and effective for the next semester. It is the student’s sole responsibility to ensure that he/she is in the program plan he/she desires. Students will follow the catalog requirements of the semester in which the change of program plan takes effect and must complete the program within five years.
4. The College reserves the right to change the curriculum as necessary. Some courses or programs may be discontinued. The College does not guarantee the courses will always be available. Students enrolled in programs where curriculum is determined by state legislation, rule, licensing and/or accrediting agencies or students enrolled in programs where significant state-of-the-art technological changes have occurred may be required to satisfy the current catalog’s graduation requirements.

**General Graduation Requirements - Associate in Arts, Associate in Science degrees**

The degree candidate must satisfy these general requirements:

1. Complete a minimum of 60 credit hours with a grade point average (GPA) of 2.0 excluding courses designated by an asterisk (*) in the course description section of this catalog (college preparatory level courses and vocational level courses).
2. Complete at least 25 percent of the total degree requirements at Seminole State (e.g., 60 credit-hour degree requires at least 15 credit hours completed at Seminole State College).
3. Achieve a cumulative GPA of 2.0 (“C”) in all courses taken at Seminole State, provided that only the final grade received in a course repeated...
by the student was used in the calculation of average. Transfer courses at upper-division level (3000-4000) and at the college preparatory level are excluded from the GPA calculation. A grade of “D” used to satisfy degree requirements may or may not transfer, subject to the policies of the institution that the student enters.

4. Successfully complete (grade of “C” or higher) the following: six semester hours of English coursework and six semester hours of additional coursework in which the student is required to demonstrate college-level writing skills through multiple assignments and six semester hours of mathematics coursework at the level of college algebra or higher. For the Associate in Arts degree, Seminole State requires that students satisfy the requirements by successfully completing General Education coursework in English, humanities, social sciences, sciences, and history, as well as mathematics courses. For the Associate in Science degree, ENC 1101, ENC 1102 and mathematics General Education courses must be completed with a grade of “C” or higher. If mathematics courses are not required for the program, students must test out of preparatory mathematics or successfully complete preparatory mathematics courses in order to be eligible for college-level mathematics.

5. Complete all college preparatory level courses required by entry-level testing with a grade of “C” or higher.

6. Have on file official transcripts of all college work previously taken at other colleges or universities.

7. File an Intent to Graduate Form in the Enrollment Services/Registrar’s office by the published deadline date in the College Academic Calendar.

8. The student is not eligible for graduation until all grades of “I,” “IP” and “NG” have been removed from the academic record, unless documented by the previous institution that it is a final grade.

9. A student must be enrolled in college-level coursework at the College during the semester that he/she graduates. It is the student’s sole responsibility to ensure that his/her program plan is correct and current for the semester that he/she plans to graduate. The College will not change the student’s program plan if it is not accurate.

**Associate in Arts (A.A.) Degree Requirements**

1. Satisfactorily complete 36 semester hours of the General Education requirements.
2. Complete items one through nine of the General Graduation Requirements.
3. Demonstrate competency in a foreign language, beginning with students entering a Florida College System institution or state university in 2014-2015 and thereafter.
4. Students entering the Florida College System in 2015-2016 and thereafter must complete at least one STATE CORE COURSE in each section as part of the General Education course requirements.

**Associate in Science (A.S.) and Associate in Applied Science (A.A.S.) Degree Requirements**

1. Satisfactorily complete a prescribed course of study in one of the A.S./A.A.S. degree programs.
2. Satisfactorily complete 15 or more semester hours of the General Education requirements as specified in the program.
3. Satisfactorily complete all General Graduation Requirements except item four.

NOTE: Students with an Associate in Arts or Baccalaureate degree from a regionally accredited institution shall be considered to have satisfied General Education requirements for Seminole State College’s Associate in Arts, Associate in Science and/or Baccalaureate degrees.

**College Credit Technical Certificates and Career Vocational Credit Certificates (PSAV) Award Requirements**

1. Satisfactorily complete a prescribed course of study in one of the certificate programs.
2. Satisfactorily complete items 2, 6, 8 and 9 of the General Graduation Requirements.
3. If non-exempt, complete PERT for College Credit Technical certificates.
4. If non-exempt, complete TABE (if required by program) for Career Vocational certificates.
5. Minimum cumulative GPA of 2.0 or higher in courses required for the certificate program.

**Baccalaureate Degree Requirements**

Please refer to the Baccalaureate Degree section of the College Catalog.

**Academic Foundations Requirements**

Please refer to the School of Academic Foundations section of the College Catalog.

**Foreign Language Proficiency**

**Foreign Language Proficiency Requirement**

Students enrolled in Seminole State College’s baccalaureate degree programs must demonstrate foreign language proficiency. Additionally, per Florida Statute 1007.25, “Beginning with students initially entering a Florida College System institution or state university in 2014-2015 and thereafter, coursework for an associate in arts degree shall include demonstration of competency in a foreign language.”

Students may satisfy Seminole State College’s foreign language proficiency requirement through:

- Demonstration of proficiency through completion of two credits (two years) of sequential high school instruction in one language other than English with a passing grade each year as documented on an official high school transcript.
- Demonstration of proficiency by passing Advanced Placement (AP), Cambridge Advanced International Certificate of Education Program (AICE), College Level Examination Program (CLEP), Foreign Language Achievement Testing Service (FLATS), International Baccalaureate (IB) foreign language examinations or the Foreign Language Proficiency Test administered by the University of Central Florida.
- Demonstration of proficiency through completion of a sequence of two college credit courses in a single foreign language with a passing grade in each course. The following foreign language college credit course sequences are available at Seminole State College and satisfy the proficiency requirement:
  - ASL 1140 American Sign Language I and ASL 1150 American Sign Language II
  - FRE 1120 Elementary French I and FRE 1121 Elementary French II
  - SPN 1120 Elementary Spanish I and SPN 1121 Elementary Spanish II

Note: American Sign Language may not fulfill the foreign language graduation requirement at some universities.

- Transfer course sequences which satisfy the proficiency requirement include:
  - ARA 1120 Elementary Arabic I and ARA 1121 Elementary Arabic II
  - GER 1120 Elementary German I and GER 1121 Elementary German II
  - LAT 1120 Elementary Latin I and LAT 1121 Elementary Latin II
  - POR 1120 Elementary Portuguese I and POR 1121 Elementary Portuguese II
  - SPN 1340 Spanish for Heritage Speakers and SPN 1341 Spanish for Heritage Speakers II

Additional foreign language course sequences may be accepted to meet proficiency requirements based on transfer credit evaluation.

If your native language is a language other than English, you may satisfy the foreign language proficiency requirement by successful completion of English for Academic Purposes (EAP) course requirements and successful completion of the Area I Communications requirements for the Associate in Arts degree.

Note: Satisfaction of this foreign language proficiency graduation requirement at Seminole State may also satisfy the foreign language admission requirement for Florida public universities. However, universities may have specific foreign language proficiency graduation requirements. Students are responsible for verifying
acceptability at the institution to which they plan to transfer.

**Student Learning Outcomes**

Collegewide Student Learning Outcomes are abilities expected from Seminole State College graduates. The Collegewide Student Learning Outcomes are:

1. **Communication**: Read, write, speak and listen effectively.
2. **Critical Thinking**: Observe, analyze and synthesize information and apply problem-solving skills.
3. **Scientific and Quantitative Reasoning**: Understand and appropriately apply mathematics and scientific principles and methods.
4. **Information Literacy**: Find, evaluate, organize and use appropriate information.
5. **Global Sociocultural Responsibility**: Prepare to participate actively as informed and responsible citizens in social, cultural, global and environmental matters.

**Graduate Placement Rates**

**Latest Placement Rates Available From State Data**

<table>
<thead>
<tr>
<th>Academic Program</th>
<th>Academic Plans</th>
<th>2014-2015 Percent Placed</th>
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<tbody>
<tr>
<td>Associate Science Accounting</td>
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<tr>
<td>Associate Science Architectural</td>
<td>Design and Construction Technology</td>
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<td>Associate Science Civil Engineering</td>
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<td>and Design Technology</td>
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<td>Child Care Center Management Specialization</td>
<td>95%</td>
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<tr>
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<tr>
<td>Technical Certificate</td>
<td>Child Development: Preschool Specialization</td>
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</tr>
<tr>
<td>Technical Certificate</td>
<td>Computer Engineering, CISCO/CCNA</td>
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<td>Technical Certificate</td>
<td>Computer Programming</td>
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<td>Technical Certificate</td>
<td>Digital Media: Multimedia Production</td>
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<td>Early Childhood Education: Infant/Toddler Specialization</td>
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<td>Technical Certificate</td>
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<td>Technical Certificate</td>
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<td>Technical Certificate</td>
<td>Interior Design Technology Kitchen and Bathroom Specialization</td>
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<td>Technical Certificate</td>
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<td>Technical Certificate</td>
<td>Wireless and IP Communication</td>
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<tr>
<td>Vocational Certificate</td>
<td>Air Conditioning, Refrigeration and Heating Technology II</td>
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<td>Applied Welding Technologies</td>
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<td>Placement %</td>
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<td>-----------------------------------------------</td>
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<td>Vocational Certificate Plumbing Technology</td>
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<td>Vocational Certificate Fire Sprinkler System Technology</td>
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<td>Vocational Certificate Correctional Officer Cross-Over Training to Florida CMS Law Enforcement Basic Recruit</td>
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<td>Vocational Certificate Correctional Officer Training (Traditional Basic Recruit)</td>
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<tr>
<td>Vocational Certificate Firefighting</td>
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<tr>
<td>Vocational Certificate Law Enforcement Officer</td>
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</tr>
</tbody>
</table>

**Notes:** This list represents outcomes for students who completed academic plans during the 2014-2015 year. Academic plans that did not have completers during 2014-2015 are not listed. Academic plans not active as of the printing of this catalog are not listed. Placement percents are based on the number of students in the placement pool for each academic plan. The placement pool includes students found by the state placement system. Placement is defined as working in a degree-related field, continuing postsecondary education or serving in the military.
General Education State Core Courses

Seminole State College’s associate in arts students entering the Florida College System in 2015-2016 and thereafter must complete at least one identified core course in each section as part of the State of Florida general education course requirements. All public postsecondary educational institutions shall accept these courses as meeting general education core course requirements. The remaining general education course requirements shall be identified by each institution.

<table>
<thead>
<tr>
<th>Section</th>
<th>State Core Course Options</th>
</tr>
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<tbody>
<tr>
<td>Communication</td>
<td>ENC 1101/ENC 1101H</td>
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<tr>
<td></td>
<td>ARH 1000</td>
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<tr>
<td></td>
<td>HUM 1020</td>
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<td>LIT 2000</td>
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<td></td>
<td>MUL 2010</td>
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<tr>
<td></td>
<td>PHI 2010/PHI 2010H</td>
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<td></td>
<td>THE 2000</td>
</tr>
<tr>
<td>Humanities</td>
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<tr>
<td>Social Science &amp; History</td>
<td>AMH 2020/AMH 2020H</td>
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<td>ANT 2000</td>
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<td>ECO 2013/ECO 2013H</td>
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<td>POS 2041</td>
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<td>PSY 2012/PSY 2012H</td>
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<tr>
<td>Natural Science</td>
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<td></td>
<td>SYG 2000/ SYG 2000H</td>
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<td></td>
<td>AST 1002</td>
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<td>BSC 1005</td>
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<tr>
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<td>BSC 1005C</td>
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<tr>
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<td>BSC 1085 (Not offered at Seminole State College of Florida)</td>
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<td></td>
<td>BSC 2010C</td>
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<tr>
<td></td>
<td>CHM 1020/CHM 1020H</td>
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<tr>
<td></td>
<td>CHM 2045C/ CHM 2045CH</td>
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<tr>
<td></td>
<td>ESC 1000 (Not offered at Seminole State College of Florida)</td>
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<td>EVR 1001</td>
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<td>PHY 1020</td>
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<td>PHY 2048C/ PHY 2048CH</td>
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<td>Mathematics</td>
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<td>MAC 1105/ MAC 1105H</td>
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<td>MAC 2311/ MAC 2311H</td>
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<td>MGF 1106</td>
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<td></td>
<td>MGF 1107</td>
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<td>STA 2023/ STA 2023H</td>
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</table>
Assessment, Testing and Developmental Courses

Assessment and Testing Overview

Assessment and Testing offices are located on each Seminole State College campus. Each office can accommodate the testing needs of the campus. All exams are closely monitored using security cameras and by one or more proctors. Tests are typically delivered via computer or online. To ensure record security, students are required to provide a current, valid and original photo identification and a signature prior to taking any examination.

The Assessment and Testing offices administer all exams in compliance with state and national regulations, including adherence to policies outlined in the Americans with Disabilities Act. Students with documented disabilities such as visual, auditory and/or physical impairments may qualify for accommodations including an alternative testing environment, if prescribed by the College’s Office of Disability Support Services.

For more information about the services offered by the Assessment and Testing Offices, including testing hours, test preparation (practice tests) and the refresh program, visit the Assessment and Testing website.

Comprehensive Assessment and Testing Offerings

Effective assessment and testing services are integral to student enrollment, placement and success. The Assessment and Testing offices provide the following examinations:

• Accuplacer/Computerized Placement Test (CPT)
• Automotive Service Excellence (ASE)
• Bureau of Fire Standards and Training Exams
• Castle Worldwide Examinations (e.g., health program examinations, certification for Paralegals)
• Certiport Examinations (e.g., Microsoft Office Examinations)
• College Level Examination Program (CLEP)
• COMIRA
• Comprehensive Adult Student Assessment (CASAS)
• Criminal Justice Basic Abilities Test (CJBAT) FDLE Criminal Justice Examination
• DANTES Subject Standardized Test (DSST)
• End of Course Examinations (EOC)
• Florida Comprehensive Assessment Test (FCAT)
• Florida Standard Assessment (FSA)
• Foreign Language Achievement Testing Service (FLATS)
• General Educational Development (GED*) examination (Pearson Vue)
• Healthcare Professions Exams (Comira)
• Law School Admissions Test (LSAT)
• Level of English Proficiency Exam (LOEP)
• Medical College Admissions Test (MCAT)
• PearsonVue Examinations (e.g., certifications examinations)
• Postsecondary Education Readiness Test (PERT)
• Pro V
• Prometric Examinations (e.g., IT examinations)
• State Officers Certification Exam (SOCE) FDLE exam (Pearson Vue)
• Test of Adult Basic Education (TABE)
• Test of Essential Academic Skills (TEAS)

First-Time-In-College Student Placement Testing

State Board Rule 6A-10.0315 mandates that all non-exempt first-time-in-college (FTIC) applicants for admission to state colleges and universities who apply to enter degree programs (bachelor’s or associate) must be tested for reading, writing and mathematics proficiency prior to the completion of registration, using one or more of the prescribed tests (ACT, SAT, PERT or Accuplacer/CPT) and must enroll in college
developmental communication and computation instruction if the test scores are lower than those required by the state. The state-mandated Postsecondary Education Readiness Test (PERT) is used in conjunction with the Accuplacer/CPT for college-credit placement into math courses.

Entry-level placement test scores must be less than two years old. Required developmental writing and reading courses (or required EAP courses, if applicable) must be completed prior to entering English I and/or any Gordon Rule course.

Placement Testing & Developmental Exemptions

Please refer to Developmental Courses section of the catalog for exemption information.

Postsecondary Education Readiness Test (PERT)

For college-credit students without a current ACT, Accuplacer/CPT, PERT or SAT score, Seminole State administers the PERT as the primary placement test. Institutional standards have been established for placing students in certain levels of courses based on the PERT scores. The PERT Refresh Program is available for students who wish to challenge their initial PERT outcome. Transfer students who have completed either the first level college credit English or math class (or successfully completed the last sequential developmental course) do not need to take a placement test. Completion of entry testing is required prior to participation in new student orientation and advisement and prior to registration for any course that has a math or English prerequisite.

PERT Exemptions

Non-exempt students are exempt from taking the PERT unless needed as a prerequisite for a specific course, if they provide written documentation for one of the following:

- Official ACT, Accuplacer/CPT, PERT or SAT scores less than two years old that place the student into college-level coursework at Seminole State. Test scores may not be mixed for an exemption.

Non-exempt students who took a placement examination more than two years ago but never enrolled into a Florida public postsecondary institution. Students must complete the PERT refresh program before retesting.

Non-exempt students who cannot provide ACT, SAT, PERT or Accuplacer/CPT official scores or scores on an official transcript by the date of their advising appointment.

Non-exempt students who studied ESOL in high school or completed a portion of high school in a country where English is not the only official language are required to:

- Complete a timed writing sample for possible placement into English for Academic Purposes (EAP) in addition to having college-ready PERT, ACT, Accuplacer/CPT or SAT scores;
- Complete the Level of English Proficiency (ESL/LOEP) test in addition to completing the timed writing sample if PERT, ACT, Accuplacer/CPT or SAT scores are not college ready;
- Score at ESL/LOEP, EAP Intermediate (EAP 400) level to take PERT math test;
- Complete EAP sequence without retaking the PERT/LOEP after starting the sequence (students may retake after two years’ absence from sequence for advancement purposes).

PERT Requirements

Degree-seeking, non-exempt FTIC students and all non-exempt college credit, certificate-seeking students whose degree or certificate program is 12 or more credits must take the PERT. Such students may not register for any credit course at Seminole State until they have a set of complete scores on file.

Students in these groups must take the PERT:

- All students seeking Early College/dual enrollment.
• New SAT (since March 1, 2016) scores of 24 or above in reading, 25 or above in writing and language and 24 or above in mathematics for placement into Intermediate Algebra (MAT 1033).
• ACT scores of 19 or above on the reading and, 17 or above on English and 19 or above on math for placement into Intermediate Algebra (MAT 1033). Any score presented which is below that needed for exemption will require the student to be tested on the appropriate PERT subtest(s).
• Attended a regionally accredited college or university in which English was the language of instruction and have completed college-level or the highest college developmental-level coursework as evaluated by Seminole State in English and/or mathematics with a grade of “C” or higher.
• Official Seminole State record indicating that the student is enrolled in another college or university and has applied to Seminole State as a transient student.
• Official Seminole State record indicating that the student is enrolled for teacher recertification.

PERT Placement Scores

English Placement (PERT)

Reading Skills Score (> 106) plus Writing Skills score (> 103) = ENC 1101.
Required developmental writing and reading courses (or required EAP courses, if applicable) must be completed prior to entering English I and/or any Gordon Rule course.

Reading Skills Score

50 - 105 = REA 0019 Developmental Reading or LOEP for EAP placement. REA 0055 Developmental Reading Module (If non-exempt, must have score of 101-105).

> 106 = No Prep reading required.

Writing Skills Score

50 - 102 = ENC 0022 Developmental Writing or LOEP/writing sample for EAP Placement.
ENC 0055 Developmental Writing Module (If non-exempt, must have score of 98-102).

> 103 = No Prep writing required; writing sample required for EAP students.

Mathematics Placement (PERT)

Mathematics Skills Score

50 - 113 = MAT 0057 Pre-College Mathematics or MAT 0022 Developmental Mathematics Combined. MAT 0055 Developmental Math Module (If non-exempt, must have score of 109-113).

114 - 122 = MAT 1033 Intermediate Algebra or MAT 1100 Mathematical Understanding and Applications. 123 - *150 = MAC 1105 College Algebra or MGF 1106 College Mathematics or MGF 1107 Liberal Arts Math or STA 2023 Statistical Methods I.

*Students who score 130 or above are eligible to take the CLM portion of the CPT. Please refer to the information below when working with students who have taken the CLM portion of the Accuplacer/CPT.

Accuplacer/CPT: College Level Math (CLM) Skills Score

20 - 39 = MAT 1033 Intermediate Algebra or MAT 1100 Mathematical Understanding and Applications. 40 - 62 = MAC 1105 College Algebra or MGF 1106 College Mathematics or MGF 1107 Liberal Arts Math or STA 2023 Statistical Methods I. 63 - 96 = MAC 1140 Pre-calculus Algebra or MAC 1114 Trigonometry or MAC 2233 Concepts of Calculus. 97 - 120 = MAC 2311 Analytic Geometry and Calculus I.

Recommended score of 70 for MAC 1147 Pre-Calculus with Trigonometry.

Retaking the PERT

To be eligible to retake the PERT, Seminole State students must refresh their skills. Students may take the PERT three times at the college level. Between the initial PERT attempt and the PERT Refresh, each student must complete a remediation program. Acceptable remediation shall be a diagnostic exam plus an Internet-based remediation for the deficient skills found via the diagnostic exam. Students should follow these seven easy steps to complete the requirement:

• Step 1: Go to the testing office and request the diagnostic exam. The testing specialist will set the

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$16.50 fee to your account and grant you 10-week access to the online remediation program, MyFoundationsLab (MFL).

- **Step 2:** Go to the Seminole State Cashiers Office and pay the testing fee.
- **Step 3:** Take the diagnostic exam. Please arrive at least 2 1/2 hours before closing.
- **Step 4:** Receive your test results and learn how to access MyFoundationsLab from the testing specialist. Based on each student’s skill deficiency as shown by the diagnostic tests, the MyFoundationsLab will provide instructions about the specific skill and practice exams to check mastery. However, please use the “MFL Mastery Planner” to set testing goals.
- **Step 5:** Locate a computer for the MFL remediation. You may use computers at specified campus locations or access the remediation program from home.
- **Step 6:** Take the appropriate Mastery Quiz that meets your goals. Students may NOT retake the PERT without scoring at least 70 percent on the MFL Mastery Quiz. After proficiency is attained through the practice exams, students must complete the MFL Mastery Quiz and score at least 70 percent to be eligible to retake the PERT. (The Testing Specialist will electronically check your MFL record to determine “time spent on the module” and “the percent correct on the MFL Mastery Quiz” before allowing you to retake the PERT.)
- **Step 7:** Pay for the PERT retest. Although the initial PERT is free, the retest cost is $10. Please visit the testing location at which you plan to take the exam and request that the testing specialist set your fee. To pay this fee, please follow the instructions in Step 2 (above). The cost to retake the PERT is $10 per testing session, regardless of how many subtests you will be retaking.

### General Rules regarding the PERT Refresh Program:

1. Students may only take the PERT three times at the college level within a two-year period.
2. Students who have withdrawn from a course must go through the PERT Refresh Program, including the diagnostic test and MyFoundations Lab Mastery Quiz with a score of 70%.

### Accuplacer/CPT for Ability to Benefit

Students who do not have a standard high school diploma or GED® must meet federal Ability to Benefit (ATB) guidelines to be eligible to attend credit courses and receive federal financial aid. Seminole State has identified the Accuplacer/CPT as the only acceptable test for ATB purposes. To be used for ATB, the student will need to speak with a Student Success Specialist and be referred to the Assessment and Testing Office. Students may take the CPT two times within a one-year period.

### Non-native English Speakers Placement Testing

Seminole State College instruction is delivered in the English language. Students should have adequate mastery of the English language to pursue a course of study for credit. If English is not the student’s best language, his/her entry testing will begin with the PERT and he/she may also be required to complete the ESL (English as Second Language) or LOEP (Levels of English Proficiency) test and writing sample. Students seeking degrees or career certificates or those enrolling as dual enrollment students must complete an approved placement test.

Students are not required to demonstrate English as a second language for proficiency if they have completed freshman English Composition or its equivalent (as determined by Seminole State College) with a grade of “C” or higher or if they have earned an Associate in Arts (A.A.) degree, bachelor’s degree or higher for which English was the language of instruction. Official college/university transcripts are required for documenting English proficiency.

### LOEP (also called ESL test)

The LOEP or ESL test is the test of English proficiency for non-native speakers of English used for initial course placement at Seminole State. To be used, the student’s scores must be less than two years old. When students take the LOEP test, they will also be asked to provide a writing sample (WS). Students must apply to Seminole State to take the LOEP and
WS. There is no additional charge and no appointment is necessary. The LOEP and WS may be taken on any campus on a walk-in basis.

Testing hours are available on the Testing and Assessment Website. To take the LOEP and WS, visit an Assessment and Testing Office on any campus and bring an official, government-issued photo identification such as a driver’s license or passport. Once a student begins course work in English for Academic Purposes (EAP), he/she is no longer eligible to retest on the PERT, LOEP and WS unless he/she has been absent from the EAP sequence for two or more years.

If the student’s English proficiency is such that he/she is not required to take English for Academic Purposes (EAP) courses, the PERT will be used to place him/her in the appropriate courses.

Dual Enrollment Entry Testing

Dual Enrollment students must complete the ACT, Accuplacer/CPT, PERT or SAT prior to registering for their first term.

Scores will be used for placement in appropriate courses. English and reading scores must be at college level to be admitted to the Dual Enrollment program.

Career/Technical Program Placement Testing

Depending on the career/technical program, Seminole State College administers the Test for Adult Basic Education (TABE) to non-exempt post-secondary career adult vocational (PSAV) students. Normally, the TABE Survey, Level D (either Form 9 or 10) is provided. Completion of a prescribed remediation program is mandated prior to re-testing for career programs.

Minimum basic skills in mathematics, language and reading are defined in each career program description adopted under Rule 6A-6.0571. The current catalog’s program descriptions provide minimum required TABE scale scores to earn a certificate by program.

Students required to take the TABE are:

- First-time-in-program, non-exempt students who designate themselves as certificate-seeking in a career program of 450 hours or more. Such students must complete the TABE examination within the first six weeks of admission into the program.
- Students whose TABE scores are more than two years old and have not been used for placement.
- Students whose TABE scores are more than two years old and who have had a break in their enrollment of more than one year.

Academic advisors are available to consult with students regarding the exemptions or alternate ways to satisfy this requirement.

Developmental Courses

All applicants entering college for the first time who intend to begin degree or college credit certificate programs are tested for reading, writing and mathematics proficiency, unless a student meets one the following two criteria:

- Entered 9th grade in a Florida public school in the 2003-2004 school year, or any year thereafter, and earned a Florida standard high school diploma.
- Serving as an active duty member of any branch of the United States Armed Services.

Exempt students are eligible to opt out of enrollment in developmental education courses. With proper documentation, exempt students may be eligible to enroll directly into ENC 1101 and MAT 1033 or MAT 1100. Exempt students may elect to take the common placement test to help identify where additional preparation may be needed. Regardless of scores, exempt students shall not be REQUIRED to enroll in developmental education. Exempt students may also choose to enroll in developmental education in order to improve skills prior to enrolling in college-level courses. Students are encouraged to meet with their academic advisor who will assist with the best possible placement. Details on the legislation are available online.
Non-exempt students are placed in college developmental writing, reading and/or mathematics if placement scores indicate a need for developmental instruction.

Each of the three skill areas - reading, writing and mathematics - are independent of each other. Students may place at the college level in one area and at the developmental level in the other area(s). Students are required to enroll in developmental courses at the beginning of their enrollment at Seminole State and continue to enroll in them each term until they have completed their required courses. If students are enrolled in the appropriate developmental course(s), they may also enroll in the college-level courses for which they meet the prerequisite(s).

Developmental courses in reading, writing and mathematics include:

**Reading Skills**
- ENC 0017 Developmental Reading and Writing Combined
- REA 0019 Developmental Reading - Repeatable Course
- REA 0055 Developmental Reading Module

**Writing Skills**
- ENC 0017 Developmental Reading and Writing Combined
- ENC 0022 Developmental Writing - Repeatable Course
- ENC 0055 Developmental Writing Module

**Mathematics Skills**
- MAT 0022 Developmental Mathematics Combined
- MAT 0055 Developmental Mathematics Module
- MAT 0057 Developmental Mathematics - Repeatable Course

**Note:** Non-exempt students with placement scores indicating two or more college developmental courses are required to enroll in College Success (SLS 1101).

### Student Information

### State of Florida Rules

**Repeating courses:** Florida Statute limits students to three attempts to pass each developmental course, including original grades, repeat grades and withdrawals. Upon the third attempt, the student is assessed the full cost of instruction, is not permitted to withdraw and receives a grade for the course. The student may petition to waive the full cost of instruction due to extenuating circumstances or financial hardship by completing the “Request for Exemption from Full Cost of Instruction” (non-refundable) form available from the Records and Registration Office. Enrollment in a class beyond the 100-percent refund period, regardless of whether a student finishes the term, is considered an attempt.

The total attempts limitation does not apply to repeatable courses.

**Repeatable Developmental Courses:** Students who make satisfactory progress but do not complete all of the necessary topics in one semester may earn a grade of “Satisfactory” which is considered passing for purposes of standards of academic progress and financial aid. While many students will complete the necessary material in one semester, some students may need multiple semesters to achieve college readiness. Please refer to the Catalog course descriptions for information regarding repeatable courses.

**Alternative instruction:** In accordance with Florida law, students may use alternatives to traditional college developmental instruction. For information about these options, contact the professional staff in the Academic Success Center or meet with a Seminole State student success specialist.

### Withdrawals

All developmental courses - reading, writing and mathematics - use the same withdrawal practices. Students may withdraw during the College’s withdrawal period and take the same developmental course again without retesting.
Additional Reminders

- Students who fail the developmental course’s Departmental Exit Exam may take the Accuplacer/CPT after grades are posted. If they meet the college credit cutoff score, they may enter the college credit course.
- Students who fail or earn a “D” in the last developmental course do not need to retake the course if they meet the Accuplacer/CPT cutoff score for the college credit course. However, the “D” does not qualify for grade forgiveness by taking the Accuplacer/CPT. Students must repeat the course and achieve a “C” or higher to receive grade forgiveness for the “D.” However, a grade of “D” in a developmental course does not count in the college credit GPA.
- Students may not retake the Accuplacer/CPT for a developmental course in which they are currently enrolled unless during the add/drop period. Otherwise, they must first withdraw from the course (within the advertised withdrawal period) or wait until grades are posted.
- English for Academic Purposes (EAP) students must pass courses with a “C” to progress to the next higher level. EAP students who fail exit exams must repeat courses to earn a “C” in all required EAP courses before entering ENC 1101 or other courses with ENC 1101 as pre- or co-requisite.
- College developmental courses which have a first digit of zero (0) do not count toward a degree. However, these courses count toward eligibility for VA benefits, financial aid and intercollegiate athletics.
## Placement Testing: Comparative Chart

### Computation

<table>
<thead>
<tr>
<th>Test</th>
<th>Score</th>
<th>Placement Course(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ACT Math</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>18 or below</td>
<td>PERT required for placement</td>
<td></td>
</tr>
<tr>
<td>19-20</td>
<td>MAT 1033 Intermediate Algebra or MAT 1100 Mathematical Understanding and Applications</td>
<td></td>
</tr>
<tr>
<td>21-22</td>
<td>MGF 1106 College Mathematics or MGF 1107 Liberal Arts Math or STA 2023 Statistics or Accuplacer/CPT (CLM)</td>
<td></td>
</tr>
<tr>
<td>23 or above</td>
<td>MAC 1105 College Algebra</td>
<td></td>
</tr>
<tr>
<td></td>
<td>For entrance into MAC 1114 Trigonometry or higher, student must take Accuplacer - College Level Math (CLM)</td>
<td></td>
</tr>
<tr>
<td><strong>Accuplacer/CPT Elementary Algebra</strong></td>
<td>71 or below</td>
<td>PERT required for placement</td>
</tr>
<tr>
<td></td>
<td>72-120</td>
<td>Use CPT College Level Math score or MAT 1033 Intermediate Algebra or MAT 1100 Mathematical Understanding and Applications</td>
</tr>
<tr>
<td><strong>Accuplacer/CPT College Level Math</strong></td>
<td>20-39</td>
<td>MAT 1033 Intermediate Algebra or MAT 1100 Mathematical Understanding and Applications</td>
</tr>
<tr>
<td></td>
<td>40-62</td>
<td>MAC 1105 College Algebra or MGF 1106 College Mathematics or MGF 1107 Liberal Arts Math or STA 2023 Statistical Methods I</td>
</tr>
<tr>
<td></td>
<td>63-96</td>
<td>MAC 1114 Trigonometry or MAC 1140 Pre-Calculus Algebra or MAC 2233 Concepts of Calculus</td>
</tr>
<tr>
<td></td>
<td>97-120</td>
<td>MAC 2311 Analytic Geometry and Calculus I</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Recommended score of 70 for MAC 1147 Pre-Calculus with Trigonometry</td>
</tr>
<tr>
<td><strong>PERT Math</strong></td>
<td>113 or below</td>
<td>MAT 0022 Developmental Mathematics Combined or MAT 0055 Developmental Mathematics Module or MAT 0057 Pre-College Mathematics</td>
</tr>
<tr>
<td></td>
<td>114-122</td>
<td>MAT 1033 Intermediate Algebra or MAT 1100 Mathematical Understanding and Applications</td>
</tr>
<tr>
<td></td>
<td>123-150*</td>
<td>MAC 1105 College Algebra or MGF 1106 College Mathematics or MGF 1107 Liberal Arts Math or STA 2023 Statistical Methods I</td>
</tr>
<tr>
<td><strong>SAT Math</strong></td>
<td>439 or below</td>
<td>PERT required for placement</td>
</tr>
</tbody>
</table>
## Assessment, Testing and Developmental Courses

### Catalog Year 2017-18

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**Generated on 12/14/2017**

<table>
<thead>
<tr>
<th>Test</th>
<th>Score Range</th>
<th>Placement Course(s)</th>
</tr>
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<tbody>
<tr>
<td><strong>ACT English</strong></td>
<td>16 or below</td>
<td>PERT required for English placement</td>
</tr>
<tr>
<td></td>
<td>17 or above</td>
<td>No Developmental Writing required</td>
</tr>
<tr>
<td><strong>Accuplacer/CPT Sentence Skills</strong></td>
<td>under 83</td>
<td>PERT required for English placement</td>
</tr>
<tr>
<td></td>
<td>83 or above</td>
<td>No Developmental Writing required</td>
</tr>
<tr>
<td><strong>PERT Writing</strong></td>
<td>50 - 102</td>
<td>ENC 0022 Developmental Writing or LOEP and writing sample for EAP placement</td>
</tr>
<tr>
<td></td>
<td>98 - 102</td>
<td>ENC 0055 Developmental Reading Module</td>
</tr>
<tr>
<td></td>
<td>103 or above</td>
<td>No Developmental Writing required; writing sample required for EAP students</td>
</tr>
</tbody>
</table>

*Students who score 130 or above are eligible to take the CPT College Level Math (CLM) portion of the CPT.*

**Students who take MAC 1105 and who are going on to Analytic Geometry and Calculus I (MAC 2311) will take the following sequence: MAC 1105 --> MAC 1140 --> MAC 1114 --> MAC 2311.*

### Placement Testing - English & Reading

#### English

<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
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<td>17 or above</td>
<td>No Developmental Writing required</td>
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**Placement Testing - English & Reading**

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</tr>
<tr>
<td></td>
<td>103 or above</td>
<td>No Developmental Writing required; writing sample required for EAP students</td>
</tr>
</tbody>
</table>
### Placement for English for Academic Purposes (EAP)

#### LOEP Reading (and PERT reading less than 106)

<table>
<thead>
<tr>
<th>Score</th>
<th>Placement Course</th>
<th>Corequisite*</th>
</tr>
</thead>
<tbody>
<tr>
<td>75 or below</td>
<td>Considered for ESOL classes</td>
<td>None</td>
</tr>
<tr>
<td>76-85</td>
<td>EAP 0320 Low Intermediate Reading (preparatory)</td>
<td>EAP 0300 then EAP 0400 then EAP 1500</td>
</tr>
<tr>
<td>86-95</td>
<td>EAP 0420 Intermediate Reading (preparatory)</td>
<td>EAP 0400 then EAP 1500</td>
</tr>
</tbody>
</table>

*Student must have both scores to be eligible for English I (ENC 1101).
<table>
<thead>
<tr>
<th>Score</th>
<th>Placement</th>
<th>Corequisite*</th>
</tr>
</thead>
<tbody>
<tr>
<td>75 or below</td>
<td>Considered for ESOL classes</td>
<td>None</td>
</tr>
<tr>
<td>76-85 (LOEP and writing sample)**</td>
<td>EAP 0385 Low Intermediate Grammar and Writing (preparatory)</td>
<td>EAP 0300 then EAP 0400 then EAP 1500</td>
</tr>
<tr>
<td>86-95 (LOEP and writing sample)**</td>
<td>EAP 0485 Intermediate Grammar and Writing (preparatory)</td>
<td>EAP 0400 then EAP 1500</td>
</tr>
<tr>
<td>96-105 (LOEP and writing sample)**</td>
<td>EAP 1540 High Intermediate Writing (college credit) and EAP 1560 High Intermediate/Advanced Grammar (college credit)</td>
<td>EAP 1500 unless previously taken or placed in 0400 Level EAP</td>
</tr>
<tr>
<td>106-120</td>
<td>EAP 1640 Advanced Writing (college credit)</td>
<td>EAP 1560 unless previously taken or exempted by writing sample</td>
</tr>
</tbody>
</table>

*Corequisite courses EAP 0300, EAP 0400 and EAP 1500 are speaking and listening courses generally the lower-level of their placement in reading or writing courses. Students may be exempt based on diagnostics and assessments in class. The writing sample can raise or lower placement.

**For placement into Writing and Grammar (EAP 0385, EAP 0485, EAP 1540, EAP 1560, EAP 1640), PERT, LOEP and writing sample scores are taken into consideration. The writing sample can raise or lower placement.
Alternative Ways to Earn Credit

Consistent with Florida Statute (F.S.) 1007.27 and College Policy 4.030 (Acceleration to Degree Completion), Seminole State College will accept up to 45 credits from a combination of any of the acceleration mechanisms listed in this section. Students must earn at least 25 percent of degree requirements in residence at Seminole State to be awarded a degree from the College. Credit awarded by the College through acceleration mechanisms and termed “institutional credit” may or may not be accepted at other colleges or universities. Credits will not be awarded for examinations that duplicate coursework or other exam credits previously posted to a student’s academic record.

Institutional credit(s) earned at other institutions will be matriculated only by formal agreement(s) with Seminole State. The credit(s) must be identified on the student’s transcript as “institutional credit.” The student is responsible for providing documentation of how such learning was evaluated and the basis on which the credit(s) was awarded.

1. **College Level Examination Program (CLEP):** A series of tests developed by the Educational Testing Service (ETS) and offered by testing centers throughout the nation, CLEP enables students to demonstrate their competencies in certain subjects and thereby earn college credit for particular courses without attending classes. Seminole State serves as a CLEP national test center. Students interested in receiving college credit via CLEP must adhere to the following procedures:
   a. Apply directly to the College to take an examination. Students should contact a Seminole State College’s Assessment and Testing Office for the proper forms or [download the application](#).
   b. Official scores from ETS should be mailed to Seminole State College’s Enrollment Services/Registrar Office which will determine the number of credit hours to be awarded based upon College guidelines and examination results.
   c. To receive maximum benefits, it is suggested that students take advantage of this program prior to their initial registration. Credit will not be awarded in areas covered by the CLEP examination when it would duplicate credit already awarded to the student for successful completion of college-level coursework.
   d. For students who plan to transfer, it is their responsibility to contact the institution to which they wish to transfer to determine the acceptability of CLEP credit.

Gordon Rule courses given credit by CLEP will be treated no differently from credit earned by students taking the courses. There are 33 CLEP examinations. A student may earn three to eight credits by passing any one exam.

CLEP Registration Guides, which include application forms, are available on the [Assessment and Testing Website](#). This registration guide should be studied carefully before applying to take a CLEP test.

2. **The College Board Advanced Placement (AP) Program:**

Seminole State cooperates fully with accredited high schools and colleges in the Advanced Placement Program of the College Entrance Examination Board. To qualify for college credit, students must earn a score of 3 or higher on the nationally administered examination in May. Credits will not be awarded for examinations that duplicate coursework or other exam credits previously posted to a student’s academic record. To award credit, the College needs an Official Grade Report. Students are awarded credits only; they are not given grades for AP courses and AP courses are not included in the GPA.
Students are responsible for making test arrangements with the College Entrance Examination Board. Additional information can be obtained from apexam@info.collegeboard.org.

3. **International Baccalaureate (IB) Diploma Program:** Students who successfully complete the International Baccalaureate examination with grades of 4 or higher will receive college credit. An official transcript is required and must be received by Seminole State College’s Enrollment Services/Registrar’s Office directly from the International Baccalaureate Office. Awarded credit will appear on the student’s permanent record as earned credit only, without any indication of grades or quality points. Evaluations of IB examinations are made after the student has been admitted to the College.

4. **Defense Activity of Non-Traditional Educational Support (DANTES) Examination/DANTES Subject Standardized Test (DSST):** Military personnel, former military personnel, and students may request credit based on the results of their DANTES examinations, including DANTES Subject Standardized Tests after they have been admitted to the College.

5. **Excelsior College Examination Equivalents:** Excelsior College Examinations (formerly known as Regents College Exams or the Proficiency Examination Program/PEP) are developed by Excelsior College using national committees of faculty consultants and national studies to assess how well the tests measure the performance of students in actual college courses. Excelsior College Examinations are approved by the American Council on Education and Excelsior College is accredited by the Middle States Association of Colleges and Schools. More information about Excelsior College Examinations, including detailed test descriptions, can be found on the [Excelsior Website](http://example.com).

6. **Advanced International Certificate of Education (AICE) Examination Equivalents:** The AICE program is an international, advanced pre-college curriculum and assessment program modeled on the British pre-college curriculum and “A-Level” examinations. Florida’s public colleges and universities provide college credit for successfully passed exams. Students in Florida’s public secondary schools enrolled in AICE courses do not have to pay to take the exams. More information can be found on the [FLDOE Website](http://example.com).

7. **Credit for Industry Certifications:** The Florida Department of Education has established statewide articulation agreements for specified industry certifications. Seminole State also has agreements for certifications that pertain to academic programs offered at the College, including but not limited to: Automotive, Child Care, EMT, Fire Science, Information Technology and Paramedic. Agreements are posted on the [Seminole State Articulation Agreement website](http://example.com).

8. **Specified Credit for military service:** A student who has served continuously for six months or more of active duty in one of the military service branches may request college credit for training and experience in accordance with the recommendation of the American Council of Education (ACE). To receive ACE credit at Seminole State, the request must be for similar courses offered at the College.

9. **Seminole State Instructor Created “Credit-By-Exam”:** Credit-By-Exam for a course is offered by some faculty in some departments. Evidence of proficiency in a subject area when presented to the appropriate dean, instructor or director, may qualify a student to request an examination for credit, if available. To qualify, student must:
   
   a. Have a minimum 3.0 cumulative unweighted high school GPA;
   b. Have a recommendation of the high school principal or appropriate designated representative;
   c. Apply for admission and be accepted to Seminole State College;
   d. Submit to Assessment and Testing, the request form signed by the instructor who is giving the examination and the dean or director. The request must be submitted a minimum of four weeks before the last day of the term;
   e. Pay a course fee prior to taking the examination (Note: The credit does not affect maximum load limitations nor affect part- or full-time status. Please see the Student Fees and Residency section in the College Catalog for the appropriate fee);
f. Complete at least one college-level course before credit-by-examination can be posted to their permanent academic record.

Students who qualify receive a grade of “P” and the appropriate credit is awarded for an examination marked “passed.” No other letter grade is assigned. Credit-by-exam does not affect GPA.

10. **High School Students**: These students who wish to enroll in college credit courses at the high school level must meet the same entrance requirements prior to beginning the courses as students desiring to enroll in those courses on the College campus, including taking the Postsecondary Education Readiness Test (PERT).

11. **Early Admission** courses are subject to the same requirements as dual enrollment courses.

12. **Dual Enrollment**: Dual Enrollment allows qualified high school students to enroll in college credit or vocational credit courses that apply toward their high school diploma. Students are exempt from the payment of all application, registration, matriculation, laboratory and textbook fees. Once enrolled in a dual enrollment course, students may not withdraw without written high school approval. To be eligible, students must provide appropriate test scores that meet course requirements and meet the following criteria:

**Requirements for College Credit General Education Courses:**

a. Students must have a cumulative unweighted high school GPA of 3.0 or higher and the approval of their high school principal.

b. Must be college ready and meet the same entrance requirements as degree-seeking students, to include taking the Postsecondary Education Readiness Test (PERT).

c. Students will initiate their application for Dual Enrollment courses with their high school guidance department. The high school guidance department and the College’s Office of Admissions are responsible for screening students prior to enrollment.

d. High school guidance personnel will provide Seminole State’s Admissions Department a completed college application and an advanced instruction (Dual Enrollment) contract (868 Form) for each student seeking admission into a dual enrollment program.

**Requirements for College Level or Career Preparation Dual Enrollment**

a. Students must have completed the 10th grade and be enrolled in at least one high school credit course during each term, excluding summer.

b. Students must have a cumulative unweighted high school GPA of 2.5 or higher and have the approval of their high school principal to enroll.

c. Students desiring to enroll in college credit or career credit courses at the high school must meet the same entrance requirements prior to beginning the courses as students desiring to enroll in the same courses on the College campus.

d. Students will initiate their application for Dual Enrollment courses with their high school guidance department. The high school guidance department is responsible for screening students prior to enrollment.

e. General attendance policy exemptions to the criteria set forth above may be initiated by the high school principal. Approval by the College’s Vice President for Academic Affairs (or designee) or the appropriate academic dean (or designee) is needed before an exemption can be granted. The high school guidance department will notify the College in writing of the reasons the principal wishes to exempt a student from the stated criteria. It is the responsibility of the Vice President for Academic Affairs (or designee) or the academic dean (or designee) to notify the principal of the approval or disapproval of the exemption within 10 business days from receipt of the exemption request.

f. High school guidance personnel will provide Seminole State’s Admissions Department a completed college application and an Advanced Instruction (Dual Enrollment) Contract (868 Form) for each student seeking admission into a dual enrollment program.

g. Home education students/parents must submit a home education articulation agreement with the application.
13. Career Pathways (formerly Tech-Prep): This partnership program between Seminole State College and Seminole County Public Schools allows students to earn free college credit in technical areas that apply toward an Associate in Science (A.S.) degree or technical certificate. Students may also use this credit toward electives in the Associate in Arts (A.A.) degree. In Florida, the Career Pathways program ties directly to the Gold Seal Scholarship. Students who complete a defined sequence of courses in high school with at least a "B" average in the sequence and also pass the assessment are eligible for college credit for corresponding courses at Seminole State. To have the college credit posted to their transcripts, students must enroll in and complete at least one college-level class at the College within two years from the date of high school graduation. Students must also complete the Request for Career Pathways Credit form. More information is available on the Career Pathways website.

14. Formal Articulation Agreements with Other Educational Institutions: A list of agreements is available on the Articulation website.

15. Formal Internal Articulation Agreements: Formal internal articulation agreements exist between some programs at the College. Students may check with the appropriate dean and program managers for information. These requirements are also posted on the Articulation website.
Catalog Changes

Seminole State College of Florida makes every reasonable effort to ensure the accuracy of the Catalog at time of publication. Occasionally, changes must be made to carry on the purposes and objectives of the College. Any approved changes to the official catalog are provided in and published online at www.seminolestate.edu/catalog.

Academic Integrity

Plagiarism is unacceptable. Academic work that is submitted by students is assumed to be the result of their own thought, research or self-expression. When students borrow ideas, wording or organization from another source, they are expected to acknowledge that fact in an appropriate manner. Plagiarism is the deliberate use and appropriation of another's work without identifying the source and trying to pass off such work as the student’s own. Any student who fails to give full credit for ideas or materials taken from another has plagiarized.

Students who share their work for the purpose of cheating on class assignments or tests are subject to the same penalties as the student who commits the act of cheating.

When cheating or plagiarism has occurred, instructors may take academic action that ranges from denial of credit for the assignment or a grade of “F” on a specific assignment, examination or project to the assignment of a grade of “F” for the course. Students may also be subject to further sanctions imposed by the judicial officer, such as disciplinary probation, suspension or dismissal from the College.

Student Academic Concerns and Grade Appeals

Purpose

College Procedure 4.0300 assists students and faculty in resolving student academic concerns including, but not limited to, grade appeals. The purpose of this procedure is to outline the steps to be followed to address student academic concerns and grade appeals.

Ordinarily, a professor’s grades are permanent once they have been submitted to the Enrollment Services Office, usually on the final day of the term. A student who asserts that there are grounds upon which to request a change in grade may file a grade appeal according to the procedure specified herein.

Grade appeals must be filed by the student before the expiration of the successive term in which the grade was received.

Procedure

1. Informal Conference: The student shall request a conference with the professor involved. This initial conference is an informal meeting at which the student may present information regarding his/her academic concern/grade change request. Every effort should be made by the student and the professor to resolve the issue at this level.

2. Written Appeal: If, the problem has not been resolved within 10 College working days of the request for the initial conference, either because the student and professor have been unable to resolve the issue informally, or because the professor is unavailable, the student may file a Written Statement of Student Academic Concern/Grade Appeal form with the appropriate immediate supervisor(s) of the professor (Program
Coordinator, Program Manager, Program Specialist, Director, Manager or Department Chair.)
The Written Statement of Student Academic Concern/Grade Appeal must document the initial conference or attempts to schedule an initial conference. The Written Statement of Student Academic Concern/Grade Appeal will be given to the professor by his or her supervisor at least five College working days before any further meetings are convened. A professor will not be required to respond to a written Statement of Student Academic Concern/Grade Appeal which does not have specific information regarding dates, times, materials involved, or any other pertinent information necessary to clearly identify the basis for the academic concern or requested grade change.
The immediate supervisor(s) shall review the Written Statement of Student Academic Concern/Grade Appeal and may meet with the student or professor individually or together to try to resolve the issue(s) raised in the appeal. If either party in the dispute wishes further hearing beyond the immediate supervisor(s) of the professor, the grade appeal may be brought to the appropriate Dean by that party.

3. Review by Dean: If either party in the dispute wishes further appeal beyond the professor’s immediate supervisor(s), the aggrieved party may request a hearing with the appropriate academic dean within 10 college working days of the decision of the immediate supervisor(s). At such time, the Written Statement of Student Academic Concern/Grade Appeal shall be updated with an account of previous actions taken and sent to the appropriate Dean. Upon receipt of the Written Statement of Student Academic Concern/Grade Appeal, the Dean will work with the involved parties in an attempt to resolve the conflict within 10 College working days of receipt of the written Appeal.

4. Review by Vice President for Academic Affairs: If either party in the dispute wishes further appeal beyond the dean/associate vice president, the aggrieved party may request a hearing with the Vice President for Academic Affairs within 10 college working days of the dean/associate vice president’s decision. Documentation of actions taken at each prior level will be provided to the Vice President by the aggrieved party requesting the appeal. The Vice President for Academic Affairs will review the previous actions, confer with the dean/associate vice president and meet, as appropriate, with the student, professor, immediate supervisor(s) and dean/associate vice president in an attempt to resolve the issue presented.

5. Final Disposition: If the student’s academic concern/grade appeal remains unresolved after compliance with the steps outlined above, the Vice President for Academic Affairs will conduct a timely final review of the student’s academic concern/grade appeal and issue a final written determination. The determination of the Vice President for Academic Affairs shall constitute the final disposition of the student’s academic concern/grade appeal.

The Petitions Committee

The Petitions Committee considers written appeals on such matters as suspensions, appeals for fourth-attempt, exemption from the full cost of instruction and administrative record changes which may result in a refund due to death in the immediate family or a call to active duty. To be heard by the Committee, students must submit a written petition to the College registrar prior to the end of the following semester. The registrar will arrange for the Committee to review the case. Recommendations of the Committee for improvement and change will be made to the Vice President for Student Affairs.

Student Concerns and Complaints

Purpose

College Procedure 3.0800 outlines the steps to address student concerns (non-instructional) or complaints that a policy or procedure of the College has been incorrectly or unfairly applied in their particular case, or to bring a complaint or grievance against an employee’s behavior. The following steps have been established to address complaints not covered by the following procedures:
• Student instructional and faculty concerns and grade appeals are to be resolved according to Procedure 4.0300.
• Discrimination complaints are to be addressed according to Procedure 1.0600 Discrimination Complaint.
• Students may appeal for tuition refunds according to Procedure 5.0450 by using the College’s petitions process overseen by the Registrar’s Office.
• Student conduct concerns are to be addressed according to Policy 3.0900 Student Code of Conduct.
• Student disability accommodation and course substitution appeals are to be resolved according to Procedure 3.0600 Accommodation of Disabled Students.

Procedure

1. **Student Ombudsman:** The student ombudsman helps students understand College policies and procedures and is a resource to help resolve concerns and appeals regarding issues such as a student’s access to courses, credit granted toward the degree and other matters. The student ombudsman is a neutral person who does not make binding decisions. Information regarding the purpose, role and contact information for the Student Ombudsman can be found at: [http://www.seminolestate.edu/student-complaints/](http://www.seminolestate.edu/student-complaints/)

2. **Informal Conference:** The deans of students on each campus serve as the student conduct officer. They are resources to help resolve issues and concerns. Student concerns or complaints can be directed to the student conduct officer to assist in resolution and identification of individuals involved. Most student concerns or complaints can be resolved through direct communication between the student and employee involved. The student shall request an informal conference with the employee involved. This conference is an informal meeting at which the student may present information regarding his/her concern. Every effort should be made to resolve the issue at this level.

3. **Written Appeal:** If the issue has not been resolved within 10 college working days of the request for the initial conference, either because the student and employee have been unable to resolve the issue informally or the employee is unavailable, the student may file a [Written Statement of Student Concern or Complaint](#) and submit it to the dean of students at the campus where the incident occurred. The dean of students will inform the immediate supervisor of the person against whom the complaint is being made. To accommodate the distance learning student, the written statement of student concern or complaint may be submitted electronically. The campus dean of students is responsible for keeping a record of all written student complaints submitted at their site and will be copied on all correspondence regarding the concern or complaint. The written statement must document the informal conference or attempts to schedule an informal conference. It should describe the complaint in the clearest possible terms, provide relevant facts upon which the allegation is based and must be signed by the student. The immediate supervisor(s) shall review the written statement and may meet with the student or employee individually or together to try to resolve the issue(s) raised in the written statement. The immediate supervisor(s) will send the student and the employee against whom the complaint was brought a written decision about the situation within five college working days.

4. **Review by the Next-level Supervisor:** If either party wishes further appeal beyond the employee’s immediate supervisor, the aggrieved party may request a hearing with the appropriate next-level supervisor within five college working days of the decision of the immediate supervisor. At such time, the written statement shall be updated with an account of previous actions taken and sent to the appropriate dean of students for referral to the next-level supervisor. Upon receipt of the written statement, the next-level supervisor will work with the involved parties in an attempt to resolve the conflict within five college working days of receipt of the written statement. The next-level supervisor will send a written decision to both parties within five college working days of having received the written statement.

5. **Review by The Vice President:** If either party wishes further appeal beyond the next-level supervisor, the party may request a hearing with the vice president responsible for the program or employee at issue. The request for a hearing with
the vice president must be made within 10 college working days from when the next-level supervisor sent the written decision. The vice president will review the previous actions and meet, as appropriate, with the student, immediate supervisor, and next-level supervisor to resolve the issue(s). The vice president will send a written summary to both parties within 10 college working days of having received the written statement. The determination of the vice president shall constitute the final disposition of the student concern or complaint. The final disposition cannot be appealed.

**Attendance Policy**

Per [Seminole State College Policy 3.060](#), The College recognizes the correlation between attendance and both student retention and achievement. A successful college experience requires a student’s regular class attendance and active engagement. Any class session or activity missed, regardless of cause, reduces the opportunity for learning and may adversely affect a student’s achievement in the course.

Students are expected to attend all classes, actively participate and complete all assigned course work for all courses for which they are registered. For online courses, attendance is determined by consistently logging in and accessing the course content and completing courses in accordance with the syllabus.

Faculty will establish and describe in the course syllabus specific policies on class attendance at the start of the term.

The President shall establish procedures to implement this Policy

**International Students’ Attendance**

International students are expected to abide by the College attendance policy and meet the Standards of Academic Progress. Students who do not maintain appropriate status will be reported to the Department of Homeland Security (DHS).

**College Regulations on Computer Access**

Seminole State College provides computer access at various locations on its campuses. Access to online resources is available to support and enhance the teaching, learning and academic endeavors of the College.

The same moral and ethical behaviors apply in computing and non-computing environments. All users are expected to conduct themselves in a manner that reflects respect for the rights of others and protects the integrity of data, equipment, software licenses and other contractual agreements governing information technology. Abuse or misuse of computing services may violate user responsibility, Seminole State policy or state and federal laws and can result in the loss of access privileges or other disciplinary actions.

For more information, consult the [Acceptable Use of College Technology Policy](#) (7.010).

**Program Closing and Conversion**

Per [Seminole State College Procedure 4.0800](#), when a college credit or career (vocational) program is closing, provisions will be made for students at least halfway through the program to complete it within a reasonable period of time, not to exceed twice the total program length for full-time students. “Halfway through the program” shall include prerequisites and specified general education courses, in addition to major courses and support courses that are part of the official program list for the catalog year in effect when the student entered the College.

Students who have not completed half of the program, using the definition above, will change their major with assistance from the program manager or dean and the College’s counseling staff. Courses from the closing program will be reviewed and considered for transfer into the new major or program through the regular course substitution procedure.
Program Conversion

Per Seminole State College Procedure 4.0800, when a career (vocational) program converts to a college credit program, the following procedure will apply to students who are enrolled in the program during the academic year of the conversion and who have maintained continuous enrollment in the program:

- A committee consisting of the program manager, dean and the director of curriculum will evaluate the course descriptions, objectives and student competencies of the career program courses against the descriptions, objectives and competencies of the college credit courses.
- When there is a match of at least 80 percent, college credit will be awarded for the career program courses already completed. When the match does not reach 80 percent, students will be encouraged to satisfy the course requirement via credit-by-examination, for which the fee shall be waived.
- The director of curriculum will produce a list of the career program courses that meet the 80 percent criterion and will convert to college credit.
- For those students in the career program who do not have scores for an approved entry-level test for college-credit programs (SAT, ACT or PERT), a special testing session for the PERT will be arranged by the Director of Assessment and Testing.

Standards of Academic Progress

Per College Procedure 4.1000 Seminole State College’s Standards of Academic Progress have been established to help students maintain a satisfactory grade point average (GPA), to be successful and to graduate. A cumulative GPA of at least a 2.0 is required to graduate.

To maintain satisfactory academic progress at the College, students seeking either an associate degree or a baccalaureate degree must achieve a minimum GPA of 2.0 each semester. Successful completion of a course is defined as a grade of "A," "B," "C" or "D" except for those courses which specifically require a grade of "C" or higher for successful completion.

Limited-access programs may have additional standards that take precedence.

A. Good Standing: Students who achieve at least a 2.0 GPA each semester and have at least a 2.0 cumulative GPA will be in good standing.

B. Academic Warning: Students will be placed on Academic Warning when their semester GPA falls below a 2.0 in any given semester. Academic Warning provides students with notification that they are not maintaining satisfactory progress and encourages them to seek help for improvement. Students on Academic Warning are strongly encouraged to speak with an educational advisor/counselor to discuss their educational plan and to seek assistance from faculty, the program manager or dean. To be removed from Academic Warning at the end of the next semester, students must achieve a minimum semester and cumulative GPA of 2.0.

C. Academic Probation: Students on Academic Warning whose semester GPA again falls below 2.0 will be placed on Academic Probation and the following apply:

1. Students on Academic Probation are required to meet with an educational advisor/counselor to discuss their educational plan and set up scheduled visits to the Academic Success Center and/or the Student Transition and Achievement Resources (STAR) Center.

2. Students who have a cumulative GPA below 2.0 after earning thirty (30) credits that count toward the GPA will be placed on Academic Probation and an enrollment restriction will be applied to their record. The enrollment restriction will occur after grades are posted and will be in effect immediately. It is required that students on Academic Probation meet with an educational advisor/counselor to discuss their educational plan.

3. Students on Academic Probation must limit their enrollment to a maximum of 12 credit hours in Fall, Spring or Summer term(s) and will be advised to consider reducing their academic load.

4. Students will only be allowed to register for the next semester with the help of an educational advisor/counselor.

5. Students on Academic Probation are permitted to register for the next semester through an
academic advisor. To be removed from Academic Probation, students must earn a minimum semester and cumulative GPA of 2.0. However, future term enrollment may be impacted once current grades post for students on Academic Probation.

To be removed from Academic Probation, students must achieve a minimum semester and cumulative GPA of at least 2.0.

Students who have a cumulative GPA below 2.0 after earning thirty (30) credit hours, including transfer coursework, will be placed on Academic Probation, even if they never earned a semester GPA below 2.0 at Seminole State College.

**D. Academic Suspension:** Students on Academic Probation will be placed on Academic Suspension if they have a third semester (not necessarily consecutive) in which they earn less than a 2.0 semester GPA. The following rules apply to students placed on Academic Suspension:

- Students will be notified by the Registrar’s Office of Academic Suspension prohibiting enrollment for one semester at the College.
- Re-enrollment into college credit courses is allowed with educational advisor/counselor approval after these students have not enrolled for one semester (Fall, Spring, Summer).
- Students placed on Academic Suspension who had previously registered for the upcoming semester will be dropped from their classes.

To be removed from Academic Suspension and placed on Academic Probation, students must achieve a minimum semester GPA of 2.0. If these students fail to earn a semester GPA greater than or equal to a 2.0 while on Academic Suspension, they remain on suspension and must sit out for an additional semester.

- Students may not register for any courses at the College while on Academic Suspension.

**E. Appeal of Academic Suspension:** Students have the right to appeal an Academic Suspension. Appeals must be submitted on a petition form to the dean of students at their campus location by the specified date for the upcoming semester. If approved, a student under this status must meet with an educational advisor/counselor or other designated Student Affairs staff member to discuss strategies for success. Students must have the advisor’s or Student Affairs staff member’s signed approval for the proposed course schedule on the registration form. Good practice dictates that the course load be limited to part-time study to support success. Students will not be allowed to register for the next semester until grades are received and a new GPA is calculated in order to determine eligibility for future enrollment.

**F. Cumulative GPA Requirement to Graduate:** A cumulative GPA and a Seminole State GPA higher than or equal to 2.0 is required for graduation. Transfer courses are factored into the cumulative Seminole State College GPA.
Student Code of Conduct

Student Code of Conduct (Policy 3.090)

Policy

Seminole State College has a single code of conduct that applies to all students at the College. For the purposes of this Policy, the term “student” is defined as any individual who has applied to the College in the past year or is a student enrolled in the College in any program.

General Expectations

All students at Seminole State College agree to abide by all regulations, as published in the College Catalog, the student handbook and other College publications, as well as federal, state and local laws and this Code. Student groups and organizations may be held responsible for the actions of its members, including violations of this Code by those associated with the group or organization or of the group or organization’s leaders or officers.

Students assume increased responsibility for accountability to the greater college community and are expected to be civil. According to the founder of the Civility Initiative at Johns Hopkins University, “When we are civil, we are members in good standing of a community. We are good neighbors and good citizens.”

Seminole State College is a diverse learning community. We strive to maintain an atmosphere of mutual respect and civility, self-restraint, concern for others and academic integrity. By choosing Seminole State College, it is expected that students will:

• Act with personal integrity and honesty.
• Treat fellow students, faculty and staff respectfully.
• Embrace diversity and inclusion in the college community we serve.
• Refrain from participating in acts of intolerance.
• Communicate and act in a way that does not provoke, harass, intimidate or harm another.

The College expects students to be mature and responsible citizens at all times and in all places. Students are expected to respect the rights and welfare of other members of the college community, including faculty, staff, students and guests of the College.

This College recognizes that a thoughtful and reasoned search for truth can be conducted only in an atmosphere that is free of intimidation and coercion. Students are expected to critically examine, analyze and otherwise evaluate the College, its programs, policies and procedures, utilizing processes that appeal to reason and do not compromise the academic mission, climate or integrity of the institution. Disruptive behavior, including but not limited to violence, the threat of violence, disruption to the learning process and intimidation are unacceptable to the College community. Seminole State College reserves the right to determine when the Code of Conduct and its policies and procedures have been violated and to administer disciplinary actions. If found in violation, students are expected to assume full responsibility and will be held accountable according to the Student Code of Conduct for their individual or collective actions. Any student whose conduct, whether on or off campus, including through electronic means, at any time is in violation of the law, or is disruptive to the College, may be subject to disciplinary action, including but not limited to probation, suspension and dismissal. Students on college-related travel shall also be subject to appropriate disciplinary action. Proceedings of the investigation of each case and the action taken will be officially recorded.

Authority

All students at Seminole State College agree to abide by all regulations, as published in the College Catalog, the student handbook and other College publications, as well as federal, state and local laws and this Code. Student groups and organizations may be held responsible for the actions of its members, including violations of this Code by those associated with the
group or organization or of the group or organization’s leaders or officers.

The Vice President of Student Affairs is responsible for administering student discipline. The Deans of Students are the Student Conduct Officers and have primary responsibility for the administration of student discipline, including the investigation of alleged student violations of the College’s Student Code of Conduct. The Dean of Academic Foundations or designee is delegated authority to serve as the Student Conduct Officer of Academic Foundations at all sites. Alleged violations of student regulations or other student misconduct shall be referred to the Student Conduct Officer or other designee as a representative of the Vice President for Student Affairs. The Student Conduct Officer or designee will investigate the charges submitted and may require that the violation be presented in writing. The Student Conduct Officer will conduct an initial inquiry to determine the basis for the alleged violation. The College will abide by all Florida Statutes and Florida Board rules applicable to student discipline. Due process, as addressed in College Policy 1.220, will be provided to ensure that students receive fair and equitable treatment and are clearly aware of their rights and responsibilities under this procedure.

Prohibitions

1. **Academic Dishonesty:**
   As members of the College community, students are expected to be honest in all of their academic coursework and activities. Academic dishonesty (cheating on examinations, course assignments or projects, plagiarism, misrepresentation and the unauthorized possession of examination or course-related materials) is prohibited.
   - Plagiarism is unacceptable to the College community. Academic work that is submitted by students is expected to be the result of their own thought, research or self-expression. When students borrow ideas, wording or organization from another source, they are expected to acknowledge that fact in an appropriate manner. **Sanction(s) 2, 4 and 5 may apply.**
   - Faculty members may take action in cases of academic dishonesty such as denial of credit or assigning a grade of “F” on a specific assignment, examination or project, or assigning a grade of “F” for the course.
   - Any student who shares his or her work for the purpose of cheating on class assignments or tests or who helps another to cheat or plagiarize is subject to the same penalties as the student who commits the act.
   - Primary responsibility for managing the classroom environment and addressing academic dishonesty and classroom behavior rests with the faculty. Faculty members are authorized to define, communicate and enforce appropriate standards of behavior in classrooms, offices and other instructional areas under their supervision.
   - For resolution of student academic concerns, including grade appeals, please reference College Procedure 4.0300.
   - Suspensions from class (or the learning environment), or dismissal on disciplinary grounds are student conduct matters that must first be referred to the Student Conduct officer for investigation, determination and action.
   - Students may be subject to academic sanctions imposed by the faculty member according to his or her academic professional judgment and disciplinary sanctions imposed by the Student Conduct Officer in accord with this procedure such as disciplinary probation, suspension, or dismissal from the College. **Sanction(s) 2, 4, 5 and 6 may apply.**

2. **Aiding, Solicitation and Attempt:**
   A person is in violation of this procedure if he or she:
   - Intentionally aids or abets another in the commission of any offense(s) mentioned in this procedure;
   - Requests, hires, encourages, or otherwise solicits another person to commit any offense mentioned in this Code, either intending that the other person commit the offense or with the knowledge that the other person intends to commit the offense; or
   - Attempts to commit any offense mentioned in this Code. **Sanction(s) 1, 2, 3, 4, 5 and 6 may apply.**

3. **Adjudicated Violations of State or Federal Law:**
   The College disciplinary process is an educational process. Therefore, additional sanctions may be imposed under the Student Code of Conduct. Any adjudicated violations of Florida or federal criminal statutes may result in disciplinary action by the
College. The College will enforce the provisions of Section 1006.62, Florida Statutes. **Sanction(s) 2, 3, 4, 5 and 6 may apply.**

4. **Alcohol:**
   The possession, use or consumption of alcohol is prohibited on College premises and at College functions without the specific written permission of the President. Any student whose behavior becomes unacceptable or disruptive because of being under the influence on any of the College’s campuses or at any college-sponsored event off campus will be subject to discipline. Any student who is suspended for alcohol-related violations can apply for readmission only after successfully completing a certified alcohol abuse program and at least one semester of suspension. **Sanctions 4 and 6 may apply.**

5. **Arson:**
   No person shall set a fire in College buildings or for the purpose of destroying College property or property of any other person. **Sanctions 5 and 6 may apply.**

6. **Computer Abuse**
   - College information technology is to be used in a lawful and ethical manner for College-related purposes only, in compliance with international, federal, state and local law, the State Board of Education Rules, and the policies and procedures of the College.
   - All users are expected to conduct themselves in a manner that reflects respect for the rights of others and protects the integrity of data, equipment, software licenses and other contractual agreements governing information technology.
   - Violations of the College’s computer use policy (Policy 7.010) include, but are not limited to:
     1. Use of College information technology to break any international, federal, state or local law or to aid in any crime.
     2. Use of College information technology for commercial purposes or personal profit.
     3. Use inconsistent with the College’s non-discrimination policy, including the prohibition of sexual harassment, creating, viewing, printing, storing, transmitting or publicly displaying obscene, defaming, slanderous, harassing, or offensive data (including sound, video, text, and graphics data).
     4. Circumventing established College software security procedures or obtaining information systems access and passwords to which one is not entitled.
     5. Unauthorized alteration or removal of College hardware security systems.
     6. Unauthorized modifications to College hardware or software.
     7. Unauthorized access, alteration or destruction of another person’s data, programs, or electronic mail.
     8. Connecting or installing personal or non-College owned information technology hardware or software to the College network without prior approval.
     9. Installing non-College owned software without prior approval and documented proof of legal licensure.
     10. Use of information technology to endorse, promote, lobby or raise money for any political candidate or political organization.
     11. Distribution of unwanted electronic mail or other messages or unauthorized use of any scheme (broadcast messages, chain letters, junk mail, “spamming”) that may cause excessive network traffic or computing loads. **Sanction(s) 3, 4, 5 and 6 may apply, depending on the severity of injury or loss that results.**

7. **Copyright:**
   It is the student’s responsibility to abide by all copyright laws and regulations, which are made available on the College’s website and in the online Copyright Basics: Fair Use document (located at the time of this writing: [www.seminolestate.edu/library/services/copyright/](http://www.seminolestate.edu/library/services/copyright/) and [http://www.copyright.com/learn/media-download/copyright-on-campus/](http://www.copyright.com/learn/media-download/copyright-on-campus/)
The copyright protections normally associated with print also govern the use of the electronic environment in the use of audio, video, images and text found on the Internet. Unauthorized peer-to-peer file sharing of copyrighted material, distribution of others’ copyrighted works and illegal downloading violate federal copyright law. Because it is easy for the computer user to copy and use images, text, video and other graphics that are likely to be protected by copyright, it is essential to become familiar with permitted uses for educational media.
It is important to note that a document may be copyrighted even if it does not explicitly state that it is copyrighted. As a result, it is best to assume materials such as documents, images or video clips are copyrighted. Ask permission and state a source when using others' materials. Sanction(s) 1, 2, 3, 4, 5 and 6 may apply.

8. **Damage:**
   Intentional damage to College property or premises, or the property of a member of the College community, or littering on College property is prohibited. Sanction(s) 1, 2, 3, 4, 5 and 6 may apply.

9. **Dating Violence:**
   Violence between individuals who have or have had a continuing and significant relationship of a romantic or intimate nature. The existence of such a relationship shall be determined based on the consideration of the following factors:
   a. A dating relationship must have existed within the past six months.
   b. The nature of the relationship must have been characterized by the expectation of affection or sexual involvement between the parties; and
   c. The frequency and type of interaction between the persons involved in the relationship must have included that the persons have been involved over time and on a continuous basis during the course of the relationship. Sanction(s) 1, 2, 4, 5 and 6 may apply.

10. **Discrimination:**
   The College prohibits discrimination on basis of race, color, religion, pregnancy, national origin, ethnicity, age, sex, gender, veterans' or military status, disability, sexual orientation, genetic information, marital status, or any other factor protected under applicable federal, state, and local laws, rules, and regulations against students, employees, applicants for admission and applicants for employment. Discrimination may include acts of harassment or retaliation, domestic violence or dating violence. Sanction(s) 1, 2, 4, 5 and 6 may apply.
   Repeated violations of these requirements may subject the student to dismissal. For discrimination complaints, please reference College Procedure 2.1800.

11. **Dishonesty:**
   Dishonesty, including, but not limited to, nonacademic cheating or knowingly furnishing false information, is prohibited. Sanction(s) 2, 3, 4, 5 and 6 may apply.

12. **Disruptive Behavior:**
   Students who intentionally act to impair, interfere with or obstruct the orderly conduct, process and functions of the College such as teaching, libraries, tutoring, testing centers, co-op and internship assignments are considered disruptive.
   - Students who engage in any uncivil, prohibited or unlawful acts which disrupts the orderly functioning of the College or the delivery/reception of instruction may be directed by a faculty or staff member to leave the location where the behavior occurred.
   - Examples of disruptive behavior inside and outside the classroom include sleeping in class, repeated tardiness, interfering with the learning process of others, outbursts, verbal abuse and profanity. Sanction(s) 1, 2, 3, 4, 5 and 6 may apply.

13. **Domestic Abuse:**
   Any assault, aggravated assault, battery, aggravated battery, sexual assault, sexual battery, stalking, aggravated stalking, kidnapping, false imprisonment, or any criminal offense resulting in physical injury or death of one family or household member by another family or household member. “Family or household member” means spouses, former spouses, persons related by blood or marriage, persons who are presently residing together as if a family or who have resided together in the past as if a family, and persons who are parents of a child in common regardless of whether they have been married. Sanction(s) 1, 2, 4, 5, and 6 may apply.

14. **Dress:**
   Students are expected to dress in a manner conducive to a collegiate learning environment while on campus and at all College-sponsored activities off campus. Wearing styles or articles of clothes, including gang-related colors that cause disruption of the learning environment is prohibited. Sanction(s) 1, 2, 4 and 6 may apply.

15. **Drugs:**
   a. To possess, buy, sell, use or keep illegal drugs or illegal drug paraphernalia is prohibited. Students who abuse drugs on any of the College's campuses or at any College-sponsored events off-campus will be subject to disciplinary sanction. Those students who are
suspended for drug-related violations can apply for readmission only after participating in a drug abuse program and completing at least one semester of suspension.

b. Any student who sells or manufactures illegal drugs on any of the College’s campuses or at any event sponsored by the College that is off-campus will be subject to dismissal. That student can apply for readmission only after completing one full year of dismissal. Readmission will be granted to suspended or dismissed student only after he/she provides evidence that they have completed a certified drug rehabilitation program or completed treatment with a certified substance abuse treatment professional which attests to them now being drug free.

c. The College has the responsibility to refer for prosecution anyone engaging in illegal drug or controlled substance activity on the College’s campuses or at any of the College’s events.

d. The College shall enforce the provisions of Florida Statutes Chapter 893 (Drug Abuse Prevention and Control). Sanction(s) 4, 5 and 6 may apply.

16. Duplication of College Keys: Duplication of College keys is prohibited. Sanction(s) 1, 2, 3, 4, 5 and 6 may apply.

17. Failure to Comply: Failure to comply with published College policies or with directions of College officials who are authorized and acting in the performance of their duties is prohibited. Repeated violations of this requirement may subject the student to dismissal. Sanction(s) 1, 2, 4, 5 and 6 may apply.

18. Firearms and Lethal Weapons: Florida law prohibits the possession or use of firearms or other weapons on College property, except as authorized in support of school-sanctioned activities. However, persons aged 18 years or older may lawfully possess a concealed firearm or other weapon for self-defense or other lawful purpose within the interior of a private conveyance (vehicle) without a license, if the firearm or other weapon is securely encased or is otherwise not readily accessible for immediate use. Possession or use of a firearm or other weapon on College property outside of a private vehicle or otherwise not in compliance with state law will be subject to disciplinary sanction. Sanction(s) 4, 5 and 6 may apply.

19. Fire Equipment: No person shall tamper with fire equipment nor use such equipment for reasons other than the prevention or control of fire; falsely report a fire, interfere in any way with emergency services or procedures, or fail to conform to established safety regulations. Sanction(s) 4, 5 and 6 may apply.

20. Fireworks, Explosive Chemicals and other Incendiary Devices: Unauthorized use or possession of fireworks or explosive chemicals on College premises or at College-sponsored activities is prohibited. Sanction(s) 4, 5 and 6 may apply.

21. Fraud: Fraud, forgery, alteration or unauthorized use of documents, College records or instruments of identification, with the intent to defraud or deceive, is prohibited. Sanction(s) 2, 3, 4, 5 and 6 may apply.

22. Gambling: Gambling or other illegal or unauthorized games or contests of chance are not permitted on College premises or at any College-sponsored events held off campus. Sanction(s) 2, 4, 5 and 6 may apply.

23. Guests: Students will be held fully responsible for the behavior of their guests, specifically for damage to property on College premises. Sanction(s) 1, 2, 3, 4, 5 and 6 may apply, depending on the severity of the behavior of the guest.

24. Harassment (based on protected class): Harassment is unwelcome conduct that is so severe, pervasive and objectively offensive that it effectively bars the target’s equal access to educational resources, opportunities or benefits. Prohibited harassment of a student is physical, verbal, or nonverbal conduct based on the student’s race, color, religion, gender, national origin, disability, age, veterans’ status, sexual orientation or marital status or any other basis prohibited by law or College policy that is so severe, persistent or pervasive that a reasonable individual in that situation would find that conduct:

◦ Affects a student’s ability to participate in or benefit from an educational program or activity, or creates an intimidating, hostile, or offensive educational environment;
◦ Has the purpose or effect of substantially or unreasonably interfering with the student’s academic performance; or
◦ Otherwise adversely affects the student’s educational opportunities. **Sanction(s) 1, 2, 4, 5 and 6 may apply.**
◦ Repeated violations of these requirements may subject the student to dismissal. For discrimination complaints, please reference **College Procedure 1.0600.**

25. **Harassment (Sexual):**
Sexual harassment, a form of discrimination, is defined as unwelcome sexual advance, requests for sexual favors, sexual misconduct and other verbal, non-verbal, written and/or electronic communication or physical conduct of a sexual nature when:

a. Submission to such conduct is made either explicitly or implicitly a term or condition of an individual’s employment or academic status;
b. Submission to or rejection of such conduct by an individual is used as a basis for employment or academic decisions affecting such individual; or
c. Such conduct has the purpose or effect of unreasonable interfering with an individual’s work or academic environment. **Sanction(s) 1, 2, 4, 5 and 6 may apply.**

d. Repeated violations of any of these requirements may subject the student to dismissal.
e. If a student feels that he/she has been the target of some form of harassment, that individual should discuss the incident with any Student Conduct Officer or the Equity Officer. For sex discrimination complaints, please reference **College Procedure 1.0600.**

26. **Hate Crimes:**
Per federal Public Law #103-322A, a hate crime is “a crime in which the defendant intentionally selects a victim, or in the case of a property crime, the property that is the object of the crime, because of the actual or perceived race, color, religion, national origin, ethnicity, gender, disability, or sexual orientation of any person.” **Sanction(s) 2, 3, 4, 5 and 6 may apply.**

27. **Hazing:**
Students or other persons associated with the College or College’s clubs and/or organizations are prohibited from engaging in any activity that can be described as hazing. “Hazing” is any action or situation that recklessly or intentionally endangers the mental or physical health or safety of a student for purposes including, but not limited to, initiation or admission into or affiliation with any organization operating under the sanction of a postsecondary institution. “Hazing” includes, but is not limited to, pressuring or coercing the student into violating state or federal law, any brutality of a physical nature, such as whipping, beating, branding, exposure to the elements, forced consumption of any food, alcohol, drug, or other substance, or other forced physical activity that could adversely affect the physical health or safety of the student, and also includes any activity that would subject the student to extreme mental stress, such as sleep deprivation, forced exclusion from social contact, forced conduct that could result in extreme embarrassment, humiliation or other forced activity that could adversely affect the mental health or dignity of the student. Hazing does not include customary athletic events or other similar contests or competitions or any activity or conduct that furthers a legal and legitimate objective.
a. All College organizations are required to include the above anti-hazing rule in the bylaws of such organizations, and any club or organization violating the hazing rule, on or off campus, will have its charter revoked and will not be permitted to operate on the College’s property or to otherwise operate under the sanction of the College.
b. Any student acting as an individual who violates the above rule on or off campus will be subject to probation, suspension or dismissal. Penalties recommended for violations of this rule by individual students will be based on whether a hazing violation is “major” or “minor” in scope. In determining whether a hazing violation is “minor” or “major” in scope, the primary consideration will be the presence of or potential for serious physical or emotional harm to the victim of the hazing as determined by the Student Conduct Officer or designee assigned to investigate and alleged violation. **Sanction(s) 2, 4, 5 and 6 may apply.**

28. **Identification of Individuals:**
No person shall permit others to use his or her College identification card or refuse to provide his or her name and show appropriate identification to
a College official performing his or her duty. *Sanction(s) 1, 2, 3, 4, 5 and 6 may apply, depending on the severity of the behavior.*

29. **Identity Theft:**
Any form of identity theft or unauthorized acquisition or use of another’s personal information or identification is prohibited. *Sanction(s) 1, 2, 3, 4, 5 and 6 may apply, depending on the severity of the behavior.*

30. **Physical Abuse:**
Physical abuse of any person on College premises or at College-sponsored events or functions, or conduct that threatens or endangers the health or safety of any such person is prohibited. *Sanction(s) 4, 5 and 6 may apply.*

31. **Sexual Assault:**
Oral, anal, or vaginal penetration by, or union with, the sexual organ of another or the anal or vaginal penetration of another by any other object without mutual consent. *Sanctions 1, 2, 4, 5, and 6 may apply.*

32. **Skates, Bicycles, Mopeds, Scooters, Motorcycles and related vehicles:**
Skating, skateboarding and hoverboards are prohibited on College property. Vehicles and modes of transport are to be parked and stored in approved parking lot locations. Use of items listed above is not permitted inside College buildings or on College grounds. The owner is responsible for any damages caused by bringing any such item into a building or onto College grounds. *Sanction(s) 1, 2, 4 and 6 may apply.*

33. **Soliciting:**
Soliciting or canvassing for commercial purposes by any individual or group is not permitted on College premises. *Sanction(s) 1, 2 and 6 may apply, depending on the number of repeated violations of this regulation.*

34. **Stalking:**
Engaging in a pattern of conduct that willfully, maliciously and repeatedly follows, harasses or cyberstalks another person commits the offense of stalking. *Sanctions 1, 2, 4, 5 and 6 may apply.*

35. **Theft:** Theft of College property or of property of a member of the College community on College premises is prohibited. *Sanction(s) 3, 4, 5 and 6 may apply, depending on the severity of injury or loss that results.*

36. **Tobacco Use:**
The use, sale, or distribution of tobacco of any kind is prohibited on all College owned, operated, leased and/or controlled properties, facilities and roadways per College Policy 6.021. *Sanction(s) 1, 2, 4 and 6 may apply, depending on the number of repeated violations of this regulation.*

37. **Threats and Intimidation:**
a. Verbal, non-verbal, written or other communication that a reasonable person would find reflects intention to instill fear of physical or psychological harm is prohibited.
b. Bullying, defined as an aggressive behavior that is intended to cause distress or harm, exists in a relationship in which there is an imbalance of power or strength, and is repeated over time, including cyberbullying.
c. Use of obscene or abusive language, or offensive gestures of any kind while in class, in any College department or during any College-sponsored activity or event.
d. Statements, photos or depictions of others that are intended to refer to a specific class of persons in a derogatory way are strictly prohibited. *Sanction(s) 1, 2, 4, 5 and 6 may apply.*

38. **Unauthorized Access to Facilities:**
Unauthorized access or entry to, or use of, College facilities and equipment is prohibited. *Sanction(s) 1, 2, 3, 4, 5 and 6 may apply, depending on the severity of injury or loss that results.*

39. **Unauthorized Use of College Name, Insignia or Seal:**
The unauthorized use of the College’s name by any person, persons and/or organizations is prohibited. *Sanction(s) 1, 2, 3, 4, 5 and 6 may apply, depending on the severity of injury or loss that results.*

40. **Violation of College Regulations, Policies or Procedures:**
Violating published College regulations, policies or procedures is prohibited. *Sanction(s) 1, 2, 3, 4, 5 and 6 may apply, depending on the severity of injury or loss that results.*

41. **Violation of Disciplinary Sanction:**
Knowingly violating terms of any disciplinary sanction imposed in accordance with College policy is prohibited. *Sanction(s) 1, 2, 3, 4, 5 and 6 may apply, depending on the level of the current sanction.*
Disciplinary Procedures and Student Rights

Violations of the standards of conduct contained herein will be treated as College disciplinary matters. In certain cases or situations, the application of civil or criminal law will also apply. Significant extenuating factors will be considered when sanctions are imposed including, but not limited to, current behavior, past disciplinary record, the nature of the offense, severity of the damage and resulting injury or harm.

Disciplinary Sanctions

A disciplinary sanction is a consequence for violations of the Student Code of Conduct. Disciplinary sanctions will be determined and administered by College officials in order to encourage greater adherence to the Student Code of Conduct as well as hold violators accountable and to cultivate a safe and healthy learning environment.

A disciplinary record will be created and documented in the student’s file.

1. **Warning**: A written reprimand to the student indicating that repetition of said act will be cause for further disciplinary action; copies of which will be placed in College Student Conduct files.

2. **Disciplinary Probation**: Placing the student(s) on notice that a repetition of this or other misbehavior will be grounds for more serious disciplinary action; this may include exclusion from certain College activities. Students currently on disciplinary probation or suspension may not hold or run for any elected or appointed positions. Student Life will consult with student conduct officer responsible for student conduct files to validate students’ eligibility. Additional conditions appropriate to the violation may be imposed.

3. **Restitution**: Repayment to the College or others affected for damages resulting from a violation of this Procedure.

4. **Suspension**: Exclusion from College premises and other privileges or activities for a period of time as set forth in the notice of suspension notice.

5. **Dismissal**: Permanent termination of student status.

6. **Other**: Other types of sanctions as set forth in College regulations and consistent with the incident involved, such as a letter of apology to aggrieved parties, community service, mandatory attendance of an anger management seminar, or reflective learning statement, etc.

Emergency Administrative Action/Temporary Suspension from Classes and College Premises

In an emergency, the College may waive, suspend, alter, or amend any policies, procedures, or guidelines to ensure the safety of students, employees, guests and the community. The decision whether to take Emergency Administrative Action is vested within the discretion of the Vice President for Student Affairs, or designee.

In cases of conduct violations, within three working days of the Emergency Administrative Action, a letter of alleged violation(s) will be provided to the student by the Vice President of Student Affairs or designee. The Student Conduct Officer handling the matter will schedule a meeting within five working days after the letter has been presented to the student. Pending the meeting, the Vice President of Student Affairs (or designee) can modify the conditions of the emergency administrative action.

If a student appears to pose a risk of danger or disruption to the community, or any individual, emergency administration action may be taken, including the removal of the individual from College premises by law enforcement. This action does not require an admission of responsibility on the part of the accused student.

Disciplinary Procedures

1. Any member of the College community may submit a formal complaint against a student alleging that a violation has taken place.

2. Alleged violations of College Policies and Procedures or other misconduct should be referred to the campus Student Conduct Officer for review and resolution. Alleged violations will be investigated by the Student Conduct Officer or designated representative.

3. The student will be notified in writing of the nature of the charges against him/her, as well as the date, time and place of the initial determination meeting with the Student Conduct Officer. The notice will also inform the student of his/her right to review evidence prior to meeting with the Student Conduct Officer.
4. After careful consideration of the facts and consultation with involved parties, the Student Conduct Officer will make a determination of whether it is more likely than not that a violation of the student code occurred. The student will receive the determination in writing.

5. A warning or behavioral contract already in place may also be used in determining appropriate sanctions for students.

6. If the alleged violation took place in a classroom, the Student Conduct Officer will consult with the faculty member before the initial determination and before returning a student to the classroom.

7. If the alleged violation took place in a College-controlled environment, the Student Conduct Officer will notify the charging party if the student is allowed to return to the setting or not of the alleged violation.

8. If the accused student does not agree with either the decision or the sanction from the initial determination, the student may request a hearing with a Disciplinary Review Committee. Parties are invited to appear at a fair and impartial hearing, present relevant evidence and witnesses on his/her behalf and have the opportunity for cross-examination. The technical rules of evidence applicable to civil and criminal cases shall not apply in disciplinary hearings. At this hearing, the student has the right to a representative of the student’s choice and any fee charged by such a representative shall be the student’s responsibility. This representative may act only in an advisory capacity to the student and will not be permitted to otherwise participate in the hearing.

9. The request for a hearing with the Disciplinary Review Committee must be made in writing to the Vice President of Student Affairs or designee, within five college working days after notification of conduct sanction(s) is sent to the student's address that is available in the College's database. The appeal must be sent to the Vice President of Student Affairs.

10. The Disciplinary Review Committee will consist of a different Student Conduct Officer, a professional staff member from Student Affairs, a Dean (the faculty member's Dean if the complainant is a faculty member) and two additional Deans or faculty members previously approved by the Vice President of Academic Affairs who are trained in student conduct proceedings. A Student Government Association representative may be present in an ex officio capacity. The Disciplinary Review Committee will engage in consultation and collectively make the determination whether, in light of the preponderance of evidence, the Code was violated and the appropriate sanction. Students will not be returned to the classroom until the institutional sanction is determined. Following the hearing and determination of sanction, the student will be notified of the official decision based on the findings of fact, the alleged violation(s) and the degree of disciplinary action or sanctions (if any) in writing within 2-4 business days following the hearing. Students may appeal the decision of the Disciplinary Review Committee.

Appeals

Student appeals of a faculty member’s actions are to be addressed according to Procedure 4.0300, Student Academic Concerns and Grade Appeals.

Student appeals of Disciplinary Review Committee’s action are to be addressed according to steps outlined in this procedure:

1. The appeal must be made in writing within five college working days after notification of conduct sanction(s) is sent to the student’s address that is available in the College’s database. The appeal must be sent to the Vice President of Student Affairs.

2. Except as required to explain the basis of new information, an appeal will be limited to a review of the record of the Discipline Review Committee hearing and supporting documents for one or more of the following purposes:
   a. To determine whether the Disciplinary Review Committee Hearing was conducted fairly in light of the charges and information presented, and in conformity with prescribed procedures giving the complaining party a reasonable opportunity to prepare and to present information that the Student Code was violated, and given the Accused Student Notice and a reasonable opportunity to prepare and to present a response to those allegations. Deviations from designated procedures will not be a basis for sustaining an appeal unless significant prejudice results.
   b. To determine whether the decision reached regarding the Accused Student was based on substantial competent evidence, that is,
whether there were facts in the case that, if believed by the fact finder, were sufficient to establish that a violation of the Student Code occurred.

c. To determine whether the sanction(s) imposed were appropriate for the violation of the Student Code which the student was found to have committed.

d. To consider newly discovered evidence, sufficient to alter a decision, or other relevant facts not brought out in the original hearing, because such information and/or facts were not known to the person appealing at the time of the original Disciplinary Review Committee hearing.

3. If an appeal is denied by the Vice President of Student Affairs, the decision is final.

4. If the appeal is upheld by the Vice President of Student Affairs (or designee), the matter shall be returned to the original Disciplinary Review Committee for re-opening of the Disciplinary Review Committee hearing to allow reconsideration of the original determination and/or sanction(s). The Disciplinary Review Committee will make its determination; the Student Conduct Officer will notify the accused and complainant parties.

5. The accused student may appeal to the Vice President of Student Affairs the second decision of the Disciplinary Review Committee based on the same criteria for appeals outlined above.

6. The decision about the second appeal by the Vice President of Student Affairs is final and shall constitute final agency action of the College.

Disciplinary Procedures for Gender Violence Violations

Gender based violence complaints for dating violence, domestic violence, harassment (sexual), sexual assault and stalking are handled as listed above but also include the following for the proceeding with the Conduct Officer, the Disciplinary Review Committee and/or Appeal process. The College conducts a separate investigation for all Title IX complaints, which is handled by the AVP for Equity, Diversity/Title IX Coordinator.

1. The accuser and the accused have equal opportunities to have others present, including a representative of their choice.

2. The Conduct Officer will give timely notice of meetings to the accuser and the accused at which one or the other or both may be present.

3. The Conduct Officer will give timely and equal access to information that will be used during informal and formal disciplinary meetings and hearing to the accuser, the accused and appropriate officials.

4. The accuser and accused receive simultaneous notification, in writing, of the result of the proceeding and any available appeal procedures.

Re-Admission after Disciplinary Suspension

Students under disciplinary suspension may re-apply after the specified time-period identified in the suspension notice. A record of previous disciplinary action shall be admissible in subsequent disciplinary proceedings against the same student.

Want more info.? Contact us.

Seminole State College
100 Weldon Boulevard
Sanford, Florida 32773-6199
407.708.4722

Seminole State General Contact Information
Student Life

The Office of Student Life leads and directs student-centered programs at all four campuses.

- Altamonte Springs (ALT-102): 407.404.6143
- Heathrow (HEA-209): 407.708.2371
- Oviedo (OVF-108): 407.971.5033
- Sanford/Lake Mary (C-102): 407.708.2678

Leadership Programming

Student Life offers programming to support student leadership development in the form of retreats, institutes and conferences as well as club and organization training.

Student Activities

Student Activities are offered throughout the year in many different formats including hosting welcome back week activities, drug and alcohol awareness programs and comedians and novelties. Student Life aims to engage students with entertaining and educational programming.

Community Service/Service Learning

Students can volunteer in community-organized projects through the Office of Student Life. Students committed to improving our community can participate in service learning projects and learn about issues, the benefits of volunteering and the impact their actions have made.

Clubs and Organizations

Seminole State Student Life hosts more than 50 clubs and organizations that serve the diverse interest of students. A detailed listing of all clubs and organizations is available in the Student Life office or the Student Life website.

Student Leadership Opportunities

Student Government Association (SGA)

SGA provides Seminole State students with a representative form of government. Acting in unison with the College, the SGA may promote, regulate and coordinate activities that impact the entire community and help the College create a learning environment inside and outside the classroom that increases the chances that students will succeed at Seminole State College.

SGA meeting times are as follows:

- Altamonte Springs Campus: Thursdays at 12:30 p.m. in room ALT-214
- Heathrow Campus: Tuesdays at 12:30 p.m. in room HEA-303
- Oviedo Campus: Tuesdays at 12:30 p.m. in room OVF-108
- Sanford/Lake Mary Campus: Mondays at 12:30 p.m. in room C-110

All college credit and career program students are welcome to attend.

Campus Activities Team

The Campus Activities Team is a group of student leaders dedicated to making the college experience for all Seminole State students engaging, memorable and fun. Team members plan and implement entertaining and educational programming at the Altamonte Springs, Oviedo and Sanford/Lake Mary campuses. To enhance the overall college experience of Seminole State students, the Campus Activities
Team works to facilitate a variety of campus entertainment and activities.

**Seminole State Volunteers**

The Seminole State Volunteers Leadership Team is a group of selected student leaders who help promote and organize College-wide service events while developing their personal and professional skills. Students interested in being part of the Seminole State Volunteers Leadership Team can find more information at their campus’ Office of Student Life.

**Intramural Sports**

Intramural Sports offer sports opportunities within the College community. Sports include flag football, basketball, soccer, volleyball, kickball, softball, ultimate disc, table tennis and badminton. Championship T-shirts are awarded to the winners of all teams and individual sport competitions. While most intramural leagues are based on the Sanford/Lake Mary Campus, the intramural sports department hosts events on all of our campuses. All event dates and activities can be located in the Student Life office and on posters around campus.

All current students, faculty and staff are eligible to participate in these fun, organized competitive sports, regardless of the campus where they attend class or work. Opportunities are available for students to participate in all phases of the Intramural Sports Program, including planning, organizing, competing and officiating. Seminole State College is a member of (NIRSA) the National Intramural-Recreational Sports Association. For more information, visit the [Intramural Sports website](#) or call 407.708.2091.
Student Services

Getting Started at Seminole State College

A Student Success Specialist is the first point of contact to assist and guide students at Seminole State. Specialists are available on all four campuses to help students from when they first inquire about the College through graduation. They are cross-trained to handle the majority of transactions including admissions, financial aid, registration and records and basic advising services. Specialists develop positive partnerships with students to foster their academic progress and to help them have a successful college experience.

Academic Advising and Counseling

Counselors, Educational Advisors, Career Program Advisors, and Student Success Specialists play an integral role in empowering students to achieve success by actively supporting their educational goals from admission to the completion of their declared program of study. Upon admission to the College, students are assigned a dedicated educational advisor based on the student’s academic plan. The following services are offered on all Seminole State campuses:

- **Academic Advising:** Includes the interpretation of test results and information on program requirements, assistance with course selection, explanation of college support systems and assistance with career planning, study skills, educational planning and graduation audits.
- **Educational Planning:** Developing an educational plan is a partnership between the student and their assigned educational advisor. This plan ensures that students are able to accomplish their educational and professional goals in a personalized, individualized and efficient manner.
- **Career Planning:** Educational Advisors serve as conduits to aligning class curriculum, program plan, and professional goals to ensure that the career aspirations of all students are accomplished in a seamless, integrated manner.
- **Mental Health Counseling:** Includes the ability to assist students when the stress of personal problems hinders academic achievement. Assistance can be provided for such personal issues as anxiety, depression, interpersonal relationships, stress, grief, self-esteem and more. Students may schedule individual appointments. Counseling contacts are kept confidential. Seminole State College of Florida partners with Aspire Health Partners to provide counseling services to currently enrolled students.

Faculty members are encouraged to refer students who may need these services to the counseling staff. Workshops on study skills techniques, test anxiety and learning styles are also available to assist students in developing the required skills to be successful in completing their courses. For additional details visit the [Academic Advising and Counseling website](#).

Academic Success Center (Tutoring)

Seminole State’s Academic Success Centers (ASC) provides one-on-one tutoring for all college credit, preparatory, vocational and certificate students to enhance the instruction presented by Seminole State’s faculty.

The Academic Success Centers are staffed with instructional support specialists, paraprofessionals and student tutors and are equipped with an open computer lab. Students can benefit from ASC tutoring in accounting, class writing assignments, mathematics, biological/physical sciences and Spanish (Sanford/Lake Mary Campus only).

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<tr>
<th>Campus</th>
<th>Locations</th>
<th>Phone Number</th>
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<tbody>
<tr>
<td>Altamonte Springs</td>
<td>ALT-220</td>
<td>407.404.6050</td>
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<tr>
<td>Heathrow</td>
<td>HEA-338</td>
<td>407.708.2102</td>
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Athletics

The Raiders are your team! As a student of Seminole State, you help support the three teams that participate in intercollegiate athletics and are members of the National Junior College Athletic Association. You are invited to any and all home games, and you receive free entry. So if you enjoy baseball and softball, or like to watch the nationally-ranked Women’s Golf Team ... Raider student athletes love your support.

To follow all the games, stories and information about Raiders Athletics, check out SeminoleStateRaiders.com. On social media, you can follow or friend @buildingRaiders on Twitter and Facebook.

If you are interested in working in college athletics, contact the Director of Athletics, Kurt Esser at esserk@seminolestate.edu.

For more information call 407.708.2090.

Career Development Center

The Career Development Center (CDC) is an essential component of Seminole State’s Student Affairs Division and seeks to provide opportunities for students to connect with mentors, professionals, recruiters and the community. The CDC offers student assistance and resources in the following areas:

Career/Major Exploration

The supportive CDC staff assists students and alumni with career and professional development activities and individual career counseling at all campus locations. Students have access to career assessments and information about degree programs and career fields. The CDC provides resources including books, reference materials, periodicals, pamphlets and electronic resources to help students research careers, majors and transfer options. Many of these resources are available on the Career Development website.

Gaining Experience

Career Link - Job Listings

Through Career Link, the CDC also provides job/internship opportunities, career assessments, online mock interview options and career-related information. Job listings come from private employers and local, state and federal government agencies.

Cooperative Education/Internships

Seminole State partners with the business community to offer cooperative (co-op) education and internship opportunities that are designed to integrate formal academic study with practical work experience.

Through co-op/internship experiences, students earn credit(s) toward their degrees or certificates while working full- or part-time in positions related to their academic and career goals. Co-op/intern students are assigned to Seminole State faculty members who help them define goals and develop learning contracts.

Employability Skills Training and Employer Recruiting/Networking Activities

Professional Development

Additionally, the CDC staff provides training on employability skills, such as networking, resumé writing, cover letters and interviewing. These skill sessions are scheduled during the fall and spring academic semesters and are available to student organizations and through classroom presentation by completing an outreach request online.

Employer Recruiting/Networking Activities

The CDC manages on-campus recruiting for employers. To further aid in the transition of Seminole State students into the workforce, the CDC sponsors career fairs, information sessions and programming that attract businesses, public agencies and community organizations.
Disability Support Services

Seminole State’s Disability Support Services (DSS) Office serves as an advocate for students with disabilities and provides academic support services such as interpreters, note-takers, tutors and testing accommodations. DSS coordinates services with area agencies and collaborates with College departments to help faculty and students create a positive learning environment. DSS also suggests strategies that can be used to make the classroom user-friendly and help students understand their rights and responsibilities.

By law, students who have disabilities are not required to identify themselves as having a disability. Although encouraged to register with DSS immediately upon entrance to Seminole State, it is not uncommon for students to forgo seeking assistance until they experience difficulties with coursework.

To be eligible for disability-related services, individuals must have a documented disability as defined by applicable federal and state laws. Services are available to students whose disabilities include, but are not limited to, hearing impairments, physical impairments, specific learning disabilities, speech impairments, visual impairments or other disabilities that require administrative or academic accommodations. Individuals seeking services are required to provide recent documentation from an appropriate licensed professional qualified to make a diagnosis.

Students who have a disability that may require special assistance must contact DSS, make an appointment for an intake interview and bring appropriate disability documentation verifying the disability. Reasonable accommodation requests must be supported by current documentation. All information is confidential and will be used only to assist the student.

Steps necessary to register for services and receive academic accommodations:

1. Contact and meet with a DSS specialist at any of the Seminole State College campuses. Students should contact the DSS office at their preferred campus to schedule an intake appointment.

2. Complete the self-assessment and DSS accommodation questionnaire and release of information form.

3. Provide up-to-date, current documentation from a licensed professional (see documentation guidelines on the Disability Support Services website). The appropriate clinical documentation should substantiate the disability and present evidence to establish a rationale supporting the need for accommodations. A school plan such as an Individualized Education Program (IEP) or a 504 plan is insufficient documentation in and of itself but can be included as part of a more evaluative report.

4. After documentation is evaluated, contact and meet with the DSS specialist to discuss any accommodations that may be necessary. DSS will make the final determination of whether appropriate and reasonable accommodations are warranted and can be provided to the individual based on the information received.

Until all steps of the registration process have been completed, the student will be considered pending with DSS and will not be eligible for services or accommodations. The student may, however, begin the process again at any time.

Substitutions to the Degree Requirements

Course substitutions will be considered for those students who have documented disabilities. Per Revised Board Rule 6A-10.041 (effective 10/25/10), documentation must “substantiate that the disability can be reasonably expected to prevent the individual from meeting requirements for...graduation.”

Course substitutions will only be granted in cases where the modification does not constitute a fundamental alteration in the nature of the college program or when the academic requirement(s) are not essential to the program of study being pursued by the student or to meet licensing or certification requirements.

Students requesting a course substitution must provide the current, relevant and comprehensive documentation and assessment data from certified
professionals. This documentation must substantiate that the disability can be reasonably expected to prevent the student from meeting the degree requirement(s) for which a substitution is being requested.

Additional information is available in College Procedure 3.0600, Accommodations for Students with Disabilities.

Contact Information

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<tr>
<th>Campus</th>
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<th>Contact</th>
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<tbody>
<tr>
<td>Altamonte Springs</td>
<td>ALT-108</td>
<td>407.404.6005</td>
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<td>Heathrow</td>
<td>HEA-115</td>
<td>407.708.4440</td>
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<tr>
<td>Oviedo</td>
<td>OVF-102D</td>
<td>407.971.5114</td>
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First Generation Freshmen Program

The First Generation Freshmen Program provides scholarships, mentoring and other assistance to first-generation students to help them achieve their goals. Approximately 50 students are selected each academic year for this need-based program. First Generation Freshmen Program students receive a scholarship of $1,000 per semester (Fall and Spring terms) for two years to attend Seminole State. The First Generation Freshmen Program also helps students transition to college while providing a sense of community on campus through shared classes. Students are also offered tutoring, mentoring, field trips and assistance with financial planning and budgeting.

To qualify students must:

1. Be identified as a first-generation college student (neither parent has received a bachelor’s degree);
2. Be identified as a first-time-in-college student (have not previously attended college);
3. Demonstrate financial need (as determined by the FAFSA);
4. Agree to participate in cohort activities per semester.

The First Generation Freshmen Program is provided in part by a generous gift from Wayne M. Densch Charities. For more information visit the First Generation Freshmen website or call 407.708.2897.

Library Resources and Services

The Seminole State College libraries are committed to maintaining an ongoing environment of open inquiry and intellectual freedom, providing excellent service and utilizing new technologies. The following library services are available to all students currently enrolled at Seminole State College. They are designed to meet the needs of campus and eLearners, those pursuing an associate or bachelor’s degree, as well as UCF’s regional campus at Seminole State.

- Each campus has a physical library available for the use of students, faculty, staff and visitors. We also provide support and services to online and distance learners with a comprehensive collection of ebooks, ejournals and databases. To search the library’s collections go to the Online Library Catalog.
- Current students, faculty and staff can use their borrower ID and PIN to access library databases, ebooks and their library account. You can view more information about these services on the Access and Borrowing web page.
- Librarians provide group instruction and individual consultation on how to develop a research strategy and effectively locate and use resources.
- All campus libraries are also equipped with computer labs, as well as with Wi-Fi and laptop computers that may be checked out at the
Information services desk for use in the library. Study rooms are available to be reserved online at Altamonte, Oviedo and Sanford/Lake Mary.

- Materials may be requested for delivery between all four library collections, generally within 24-48 hours. The Interlibrary loan service provides students, faculty and staff access to books and journal articles from other libraries within the state and throughout the country that are not part of the Seminole State library collection.
- Hours of operation, locations and library services are available on the library’s website.
- If you need assistance with any of the services listed above you can contact the library by phone, in person, email, or from the chat window on the library website. Tutorials and research guides are also available.

The Student Transition and Achievement Resources Center (STAR)

The Student Transition and Achievement Resources (STAR) Center at Seminole State College is a service to students enrolled or desiring to become enrolled in Seminole State’s career and professional degree and certificate programs. The STAR Center provides open entry, open exit applied academic instruction that enables students to acquire the minimum skills required for the Test of Adult Basic Education and helps certificate and Associate in Science (A.S.) degree-seeking students develop the academic skills they need to succeed in college and in their careers.

With the STAR Center, students can:

- Acquire the basic academic skills needed to enter specific career and technical programs (A.S. and PSAV);
- Utilize a range of learning resources to achieve success in Seminole State’s A.S. and PSAV programs;
- Access a variety of nursing exam study guides (TEAS, NCLEX, Dosage Calculations);
- Receive tutoring for career and professional programs such as Automotive Service Technology, Emergency Medical Services, Fire Fighting and Law Enforcement;
- Improve test-taking, time management and study skills.

Seminole State’s STAR Centers are located on the following campuses:

- Altamonte Springs Campus: Room 220B
- Sanford/Lake Mary Campus: Room J-005

For more information about the STAR Center, call 407.708.2364.

Veterans’ Services and Certification

Seminole State College is approved for the training of entitled veterans and/or dependents who qualify for such training under current federal laws. Procedures for admission to the College and registration for classes are the same as followed by all students. The College’s Veterans Affairs Office (building A on the Sanford/Lake Mary Campus) provides the following information and assistance:

- Applying for educational benefits and obtaining a certificate of eligibility;
- Veterans’ special needs and counseling;
- Authorized deferment of payment of tuition and fees;
- VA-funded tutorial assistance.

If a veteran has not previously applied for VA educational benefits, the following should be brought to the College’s Veterans Office:

- A copy of the Certificate of Eligibility from the VA;
- A copy of each DD Form 214 (Certificate of Release or Discharge from Active Duty);
- Certified copies of marriage certificates, divorce decrees, children’s birth certificates and/or any other papers reflecting dependent status (if applicable);
- A copy of the DD Form 2384-1 (Notice of Basic Eligibility) signed by the Reserve or National Guard Unit (if applicable).

Agencies locally available for assistance are the Seminole County Veterans Service Office in Sanford.
Veterans: According to Florida law, any eligible veteran or eligible dependent receiving benefits under Chapters 30, 31, 33, 35, 1606 or 1607, Title 38, United States Code, is entitled to a 60-day deferment of matriculation or registration fees each academic term of enrollment, provided that the period of deferment does not exceed the number of days of the term or course for which the student is registered. The deferment of fees shall begin the first scheduled day of classes in any term and all deferred fees must be paid in full within 60 days or by 10 days prior to the end of the term, whichever period of time is less. Eligible students desiring to exercise this right should contact the College Veterans Affairs Office.

Satisfactory Progress: Veterans and/or dependents eligible to receive VA educational benefits must be aware of current Veteran Administration regulations and the Standards of Progress that apply. The following are of specific concern to those students who desire VA Enrollment Certification:

- Satisfactory progress must be maintained according to the Standards of Academic Progress. If a student fails to meet these requirements and is placed on Academic Suspension, his/her benefits will be terminated. To reinstate benefits, the student may:
  - Re-apply for certification once his/her GPA and academic standing meets the requirements for certification eligibility, or
  - Petition to enroll while on academic suspension through their assigned educational advisor. If the petition is approved, the student is required to re-certify his/her benefits with Seminole State’s Veterans Affairs Office.

- Certification is not made for any course taken that does not directly apply to the program authorized by the VA.
- Certification is not made for any course previously completed with a passing grade.
- VA payments are not authorized for any course in which the veteran receives a grade of W (withdraw), X (audited) or N (no credit). A student who receives a grade of I (incomplete) must complete the coursework with the instructor during the first 30 days of the following term, otherwise a grade of “F” is assigned and the VA Office is notified.
- VA payments are not authorized for any course in which the veteran receives a grade of “F” when not attending class through the end of the term and taking the final exam.

Course Substitution for Veterans: Substitution of unrelated courses outside the certified major must be in accordance with Seminole State policy and procedures.

The following conditions must be met by the school if a course substitution is made by students receiving VA educational benefits:

- Document condition for allowing substituted course for original and substituted course;
- Ensure that the substituted course is made prior to the veteran’s completion or registration for the term in which the substituted course is to be taken, not to include add/drop period;
- Place copies of all material related to the veteran’s substituted course in their school records;
- Ensure that the substitution complies with the Seminole State course substitution procedure.

Veteran Course Selection: An educational program selected by a veteran must be complete in that it must include all training needed to reach the stated objective. It must be generally accepted as being required for the attainment of the selected objective. Questions regarding any veteran policy should be directed to the Veterans Affairs Office.

Veterans’ Attendance Policy

- College credit courses
  - Records of attendance may be maintained to determine the last day of attendance for partial or complete withdrawals.
  - Veterans may be withdrawn from a course when their lack of attendance precludes any possibility of satisfactory course completion. Initiation of a withdrawal shall be consistent with the instructor’s policy regarding attendance for all students.
  - A veteran may be recertified in a class when the instructor determines the absences will not jeopardize the veteran’s ability to satisfactorily
complete the courses in the prescribed time period.

- **Career Programs Certificate Courses**
  - VA educational benefit recipients who register in Career Programs Certificate courses and accumulate three days of unexcused absences within a calendar month for which they have received VA certification will have this certification terminated for lack of attendance.
  - A student may be recertified in the program when the instructor determines the absences will not jeopardize the student’s ability to satisfactorily complete the course in the prescribed time period.
  - Students have the right of appeal through the College Petitions Committee when they feel the circumstances warrant such action.

- VA regulations require veterans’ withdrawals to be submitted promptly and that the last date of attendance be recorded on the withdrawal form.

To comply with VA attendance regulations, instructors should initiate a withdrawal form as soon as it can be determined that the student is no longer attending or is unable to complete the course requirements because of poor attendance. On at least a monthly basis, instructors shall review attendance records for the purpose of initiating withdrawals and shall submit withdrawals to the Records and Registration Office during the last week of the month.
Specialized Academic Programs and Services

Center for Business Development

The Center for Business Development focuses on developing and enhancing Seminole County’s business community. The center offers the following programs:

- **Small Business Development Center (SBDC):** The SBDC provides free, one-on-one consultation to small business owners and pre-venture clients. The SBDC, which has offices at the Port of Sanford, the Oviedo and Heathrow campuses, also offers seminars on a variety of business issues. For more information, call 407.321.3495 or visit the SBDC website.

- **Seminole Technology Business Incubation Center (STBIC):** This award-winning incubator is located adjacent to Interstate 4 in the Port of Sanford. A home to early-phase businesses that want to accelerate their growth profile, the STBIC provides low-cost and shared facilities along with daily access to on-site business consultants. For more information, call 407.321.3495 or visit the STBIC website.

- **Seminole Advisory Board Council (SABC):** The Council, funded by the Seminole County Economic Development Department, provides services to owners of existing businesses who want to move their companies to the next level. Companies are matched with a volunteer board of advisors to assist with planning for the next phase of growth. For more information about the Seminole Advisory Board Council, call 407.708.4458 or visit the Seminole Advisory Board Council website.

- **Workforce Quick Response Training Grants (QRT):** The Center assists qualified firms with the application and delivery of workforce training grants. Expanding businesses may be eligible for grants to help them train their employees. The Center works with these companies to determine which grants may be appropriate and, if needed, to develop a training program. For more information, call 407.708.4458.

- **Entrepreneurial Education:** The Center offers programs to help individuals attain economic independence by advancing educational achievement and entrepreneurial success.

Community Education

Community Education offers non-credit, self-enrichment courses for residents of all ages and interests. Community Education provides most of its offerings online.

Corporate College and Professional Development

Students and community members who wish to begin a career, update their current professional skills, fulfill mandatory continuing education requirements, optimize employee performance or enhance their businesses will find courses that address their needs at the Seminole State Corporate College. Professional development programs, short courses, conferences and seminars provide participants who are employed in various occupations with up-to-date information and skills. In some cases, these offerings may satisfy the mandatory requirements for re-licensure and recertification within a particular field. The Corporate College provides most of its offerings online.

For more information, visit the Continuing Education website.

eLearning

eLearning provides students with learning opportunities outside the traditional classroom setting. Depending on program requirements, students may be
able to complete many of the required courses and even entire degree programs online.

Seminole State offers two main types of online courses:

- **Online courses:** Course delivery, assignments and most or all testing are conducted online. The courses rely on email, discussion forums, chat and other interactive tools within the College’s online learning management system (Canvas). Some courses also incorporate online streaming video or podcasts. Although these courses are online, some instructors may require a proctored midterm or final exam. This will be noted in the online course syllabus and in the class notes listed in the schedule of classes.

- **Hybrid courses:** Hybrid courses combine the convenience of online study with limited on-campus sessions. The courses, which are identified as “reduced campus time” in the class schedule, share many of the same requirements as online courses. However, students meet on campus at least half of the time with the other half of the course delivered online.

Good time-management skills, motivation and self-discipline are essential for success in any distance learning environment. Seminole State recommends that students speak with an academic advisor before registering for an online course. eServices - Seminole State’s team of student success specialists are available to provide online advising services to help you plan, begin and successfully complete your educational goals.

For more information visit the eLearning website.

**Out-of-State Student Online Course Complaint Processes**

Please contact Seminole State’s eLearning department at elearning@seminolestate.edu or by phone at (407) 708-2424 if you have any questions or concerns about your online course. If you are a resident of a state other than Florida taking online classes and would like to file a complaint please refer to the State Higher Education Executive Officers Association (SHEEO) Survey and Reports page and click on “Student Complaint Process by State.” This page provides information about complaint contacts and processes for your state of residence.

**Grindle Honors Institute**

The Grindle Honors Institute offers programs for students who want to enrich their academic experience. Students who are accepted into the Honors Institute are eligible for scholarships, faculty advisors and travel/study opportunities. The following programs are available:

- Honors Certificate
- Honors Diploma
- Honors in the Major
- STEM Certificate
- Advanced STEM Certificate

Seminole State Honors students traditionally excel. Many have earned prestigious scholarships, such as the Woodrow Wilson Scholarship and the Jack Kent Cooke Scholarship, upon transferring to four-year institutions in Florida, the United States and abroad. In addition, they earn places on the All-USA Academic Teams sponsored by USA Today as well as nominations for inclusion in Who’s Who in American Colleges and Universities.

Honors classes typically have 16-20 students. Consequently, ample opportunity is available for students to bond with each other and their professors. Intellectual growth occurs when collaborative and experiential learning, hands-on activities and intellectual interaction can be offered because of the small classes.

Scholarships are available to Honors students who maintain the required GPA.

**Honors Diploma and Honors Certificate**

The Honors Diploma Program is a 20-credit curriculum that offers qualifying students a unique academic opportunity to broaden and enrich their college experiences. Students who complete the program graduate with an Associate in Arts Honors Diploma.
The program provides an atmosphere for talented students to learn to think critically, grow intellectually and expand their education beyond the classroom into the public arena. The program offers enriching classes in all areas of the General Education requirements. Additionally, students are encouraged to attend conferences to present scholarly papers as well as experience and participate in related cultural and social activities offered within the College and the community.

The Honors Certificate Program is for students who elect to earn a minimum of 13 credit hours in Honors classes. The certificate may be earned in the Associate in Arts and Associate in Science degrees.

Seminole State’s Honors Diploma program is available for students who meet these qualifications:

- **High school seniors**: A minimum GPA of 3.2.
- **College students**: Complete a minimum of six hours of credit courses with a minimum GPA of 3.2.

In addition, students are required to submit letters of recommendation, participate in an interview and complete an on-campus writing sample. Once admitted to the Honors Diploma program, students must maintain a 3.2 GPA. Those who are uncertain of their qualifications are urged to apply or call for more information. Questions and concerns can be discussed during the interview process.

**Honors in the Major**

Honors in the Major is an indication that the student pursues academic excellence and exhibits leadership qualities. The Honors in the Major Program is designed to encourage the best juniors and seniors to do classwork and projects that expose them to the latest in technology and methodology.

**Minimum Requirements**

Completion of the 3-4 required Honors classes offered in each BACC degree.

Minimum 3.5 upper division GPA at the time of graduation.

**Application**

Applications may be obtained in the Honors Institute office located in V004 on the S/LM campus or from the office of Bachelor’s Admissions Office or at the appropriate bachelor’s program office. One may apply at any time. However, it is advisable to apply as soon as one enters the baccalaureate program.

**Recognition**

Honors graduates will be recognized at graduation and will receive an Honors Institute Medallion for Honors in the Major.

For more information, contact the Honors Institute at 407.708.2335 or honors@seminolestate.edu.

**Phi Theta Kappa**

Phi Theta Kappa is the International Honors Society for two-year colleges. The Pi Lambda Chapter at Seminole State College has won numerous honors, including the coveted “Distinguished Chapter Award” and it is one of the most active organizations on campus. Students from any discipline with a GPA of 3.5 or higher and 12 college credits are invited to join. After joining, students must maintain a minimum 3.2 GPA to maintain membership. Contact the Honors Institute at 407.708.2335 for more information.

**STEM Program for Advanced Scholarship**

Students who desire a STEM Certificate or Advanced STEM Certificate must complete and submit to the Science Diploma coordinator a Science Diploma Application, two letters of recommendation from former or current instructors (at least one must be from a Science or Math instructor), and a personal letter of application that describes the academic and career goals that make them a desirable STEM Certificate candidate. They must also take at least eight science/math courses (seven required courses and one elective course) that follow one of three tracks:

- **Track A**: Biology, Health or Pharmacy/Preprofessional
Track B: Mathematics, Actuarial Science, Chemistry or Physics

Students must also take two semesters of seminar courses, which may be any one or two of the science seminar courses which focus on research, science careers or environmental issues in alternating semesters and/or Engineering Concepts and Methods and/or Intro to STEM Research.

These courses provide a diverse and strong educational foundation in lower-division coursework for students who plan to major in the hard sciences or the health, mathematics or engineering fields. Successful completion of the required courses result in less time spent at the university and a higher probability of admission to limited-access programs. Scholarship money may be available to students who qualify and some universities also provide scholarships for Seminole State Science Diploma transfers.

- A STEM Certificate is awarded to those students who complete the eight science and math courses and the two science seminars with a GPA of 2.0-3.19 in those courses.
- An Advanced STEM Certificate is awarded to those students who complete the eight science and math courses and the two science seminars with a GPA of 3.2 or higher in those courses.

Track C: Engineering

Required courses:

- Analytic Geometry and Calculus I (MAC 2311)
- Analytic Geometry and Calculus II (MAC 2312)
- Analytic Geometry and Calculus III (MAC 2313)
- General Chemistry I (CHM 2045C)
- General Chemistry II with Qualitative Analysis (CHM 2046C)
- Physics with Calculus I (PHY 2048C)
- Physics with Calculus II (PHY 2049C)
- Science Seminar (two semesters) or Science Seminar (one semester) and either Intro to STEM Research or Engineering Concepts and Methods

Track A: Biology, Health or Pharmacy/Preprofessional

Required courses:

- General Biology I (BSC 2010C)
- General Biology II (BSC 2011C)
- General Chemistry I (CHM 2045C)
- General Chemistry II with Qualitative Analysis (CHM 2046C)
- General Physics I (PHY 1053C)
- General Physics II (PHY 1054C)
- Analytic Geometry and Calculus I (MAC 2311)
- Science Seminar (two semesters) or Science Seminar (one semester) and Intro to STEM Research

Elective Courses (Specific electives recommended based on major)

Choose any one upper-level course:

- Analytic Geometry and Calculus II (MAC 2312)
- Analytic Geometry and Calculus III (MAC 2313)
- Anatomy and Physiology I (BSC 2093C)
- Anatomy and Physiology II (BSC 2094C)
- Elementary Differential Equations (MAP 2302)
- Engineering Analysis - Dynamics (EGN 2322)
- Engineering Analysis - Statics (EGN 2312)
- Microbiology (MCB 2010C)
Workforce Development

The American workplace is undergoing a rapid evolution which is affecting the way people work, how they are prepared for today’s workforce and how they are educated throughout their careers. A common goal for education and business has emerged: a strong educational foundation that combines general education with specific professional and technical coursework best prepares the workforce for today’s careers. Continuing education provides professionals the means to remain current with industry changes and emerging technologies. It also supports continued success and ensures the strength of the regional economy. As a full partner in achieving this goal, Seminole State College is leading the way in the Central Florida workforce development movement.

Seminole State has long been a leader in the traditional workforce development programs, offering associate degrees, technical certificates, continuing education courses and customized training courses for specific businesses. However, the College’s vision has grown. Seminole State now collaborates with local businesses and organizations to leverage private, state and federal resources redirected into educating employees for Florida’s targeted high-skill, high-wage occupations.

Additionally, Seminole State offers a seamless educational experience from adult basic skills to certificate or degree programs which provide the opportunity for entry into the local workforce or continuing toward a bachelor’s degree at Seminole State or one of Florida’s state universities.

In response to the rising expectations and credentials required by today’s businesses and industries, Seminole State has developed six new bachelor’s degree programs. Each degree program was developed through close collaboration with our industry partners and active advisory committees.
Supplemental Services

**Bookstore**

Seminole State’s campus bookstores stock books and materials for all courses and provide options for lower-cost rentals, used and digital textbooks. The bookstores also carry reference books, extra reading materials, school supplies, computers and computer software, College merchandise and miscellaneous items. For student convenience, purchases may also be made by using Seminole State’s online bookstore. All information, including each store's hours, is available at the Bookstore website. Store hours are also posted on the storefronts.

Returns and exchanges of purchases are processed based on bookstore guidelines. Original, current receipts are required. Consumable items such as loose-leaf books and access codes must be sealed in order to obtain a refund.

The bookstore buys back textbooks during their regular store hours. Students will receive the highest buyback rates during the peak period of buyback demand which occurs each term between midterms and finals.

**Bulletin Boards**

Members of the College community who wish to post notices on a Seminole State bulletin board must obtain clearance from their campus Student Life staff. Printed materials such as posters and signs must have the Student Life “Approved for Posting” stamp that clearly lists the date that the posted item should be removed.

**Food Service**

On-campus dining and vending machine services are available at each campus during regular College hours, unless otherwise posted. Dining locations and hours of operation are available online.

**Housing**

Seminole State does not provide on-campus housing.

**ID Card**

The Blue & Gold Card is the official identification card for Seminole State College. The Blue & Gold Card is required for identification and can be used for multiple purposes. Students have 24/7 access to their ID card account through the online portal. There, students can manage online deposits to the Blue & Gold Card and view recent account transactions.

To obtain a Blue & Gold Card, one must:

- Be an enrolled student or current employee of Seminole State College;
- Present a government-issued identification such as a driver’s license, passport, state of Florida identification card or military ID to any Blue & Gold Card Services campus location.

In addition to serving as a student ID, the Blue & Gold Card can be used for:

- Bookstore purchases and book buyback refunds
- Campus library services
- Copying and network printing
- Discounts with local merchants
- Entering College events
- Obtaining parking permits
- On campus dining purchases

Making purchases on campus at:

- College bookstores
- Copy machines
- Food service cafes
- Network printing stations
- Vending machines
Student Email and Text

Office 365 is the official, College-provided electronic mail service used to notify students of important College business and information. Office 365 is available to students approximately one business day after they create their MySeminoleState account. Once students register for classes, no communication will be made to any other email address. To avoid missing important communications from Seminole State College, students must activate their student email account, read regularly and, if necessary, act on these messages in a timely fashion. Students should check their Office 365 account daily for time-sensitive communications.

All emails from the College and your professors will be sent to this account only. Messages sent to your Office 365 account may be forwarded to another email account (such as AOL, Gmail, Hotmail or Yahoo), but students do so at their own risk. The College cannot provide technical support if problems such as lost or missing messages arise as the result of forwarding emails outside of Office 365. Students are responsible for the content of College communications sent to their Office 365 address. While messages in Office 365 can be forwarded, all email messages from a student to the College and his or her professors must be sent from the student’s Office 365 account. By using your Office 365 account, you agree to these conditions.

In addition to being the College’s official avenue for communication, Office 365 provides:

- Access to download the full version of Microsoft Office on up to five devices;
- Windows Live Messenger so you can chat with friends and classmates.

Seminole State Text is the College’s messaging service to keep students informed about their records, important deadlines and campus emergencies. Messages sent via Seminole State Text include admissions alerts, financial aid notices, important deadlines, tuition due dates, registration notices, enrollment appointments and campus alerts.

Seminole State Text is not an alternative, but a supplement to Office 365. Students are responsible for checking their student email accounts regularly. Sign up to receive text messages. A MySeminoleState username, password, and a cell phone number are required for registration. Standard text messaging rates may apply.

Phone and U.S. Mail

It is often necessary for Seminole State to communicate with students via the phone numbers and addresses listed in their MySeminoleState accounts. Students should verify their contact information by logging into their MySeminoleState accounts.

Print Shop

The College’s Print Shop, located at the Sanford/Lake Mary campus, provides copying and printing services for internal College business, but also provides these services to students, employees, the public and outside organizations based on the College’s fee schedules for these services. Please contact the Print Shop at 407-708-2188 or view their information online at Copying and Printing Services.
Safety and Security

Emergency Response and Notification System

Seminole State College maintains a comprehensive emergency management plan along with policies and procedures to respond to emergencies. The plan is based on an all-hazards disaster response that complies with FEMA guidelines for higher education that includes planning, mitigation, response and recovery actions. In the event of a significant emergency or situation involving an imminent threat to the health and safety of the campus community, the College uses a multi-layered approach to notify its constituents through the Emergency Notification System:

- **Emergency alert phone system:** All Seminole State classrooms and offices are equipped with IP speaker phones that allow the College to broadcast emergency messages as needed. The phone system allows the College to target messages by building or classroom.
- **Seminole State Alert (website):** Seminole State Alert serves as the primary source for information updates on Seminole State’s website. Using a scrolling message, the alerts will display at the top of most Web pages on the site using a traffic signal color system: green, yellow and red.
- **Email:** Depending on the nature and location of an emergency situation, Seminole State may send an email message to students, faculty and staff.
- **News/social media:** Updates may be posted in the online The Newsroom, Seminole State’s official news home and the College’s official social media sites, Facebook and Twitter.
- **Text messaging:** Seminole State may use text messaging to provide official notification of a situation that poses an imminent physical threat to the community.
- **Phone:** Seminole State will record emergency messages on its Emergency Information Hotline at 407.708.2290.
- **Other:** Additional communication may include fliers, alerts on campus TV screens and regular updates for the news media.

For more information on emergencies, please visit the [Seminole State Alert home page](#).

Reporting Emergencies and Crimes on Campus

Seminole State College encourages anyone who is the victim of or witness to a crime or any other emergency to promptly report the incident to the Campus Safety and Security Department. All students, employees and visitors should immediately report crimes in progress, medical emergencies or fire by calling security or by calling the appropriate police or fire agencies by dialing 911.

- **Altamonte Springs Campus Security:** 407.404.6100
- **Heathrow Campus Security:** 407.708.4410
- **Oviedo Campus Security:** 407.971.5020
- **Sanford/Lake Mary Campus Security:** 407.708.2178

Individuals may also report crimes that are no longer in progress by contacting any of the campus security offices. Students who are the victims of a crime and wish to file a police report should contact a campus security officer who will arrange for a meeting with the appropriate law enforcement agency. Keep the following in mind to provide as much information as possible to the police:

- If assaulted, try to provide a good description of the person such as height, weight, hair color, clothing description, mode and direction of travel.
- If a car is damaged or burglarized, provide the time the student arrived on campus and a description of where the car was parked. Remember, a police report may be required to satisfy insurance company requirements.
• If personal property is stolen, provide serial and model numbers (if known), a complete description of the object(s), along with any other identifying data to assist in recovery.

An emergency is defined as the illness or injury of an individual while on a Seminole State campus; any disturbance on campus, which, if action were not taken immediately, could result in a serious injury or possible death; or any crime, in progress, that could result in serious injury or possible death.

Seminole State staff members will take appropriate actions to address the situation until emergency personnel arrive on scene. If an ill or injured student elects not to be transported by emergency medical personnel, a Seminole State representative will not transport or arrange for transportation for that student.

Lost and Found

It is important to use a reliable and consistent method of collecting and storing lost and found property at all College sites. A lost and found repository is maintained in the security office at each campus. Faculty and staff members and students should turn in all lost and found items to security as soon as possible. Students and others inquiring about lost items should be directed to the security office on the campus where the property was lost.

If the property is not claimed within 30 days from the date on the property sheet, the property will be disposed of in accordance with College policy.

Medical Services

No medical facilities are available to students on any campus. First aid kits are located in campus security offices for emergency use only. Campus medical emergencies are handled as listed in the Emergency Response and Notification System section of this catalog.

Parking and Traffic Regulations

The following regulations were established to provide traffic and parking parameters for vehicles that are operated or parked on Seminole State College campuses and sites. Students who drive vehicles on a College campus or site will be responsible for the proper registration, use and operation of their vehicles in accordance with the traffic and parking regulations set forth by the College.

The College reserves the right to regulate the use of vehicles on its campuses and to take appropriate actions against those who do not comply with the College's regulations. The College is authorized and reserves the right to regulate the use of any of its parking lots for exclusive use by designated groups or individuals.

In addition to the rules and regulations established by the College, all traffic laws of the State of Florida are in effect at all times on all campuses and sites. All students who park in College parking lots must display a current and valid Seminole State parking permit. Students may obtain a parking permit from any campus Business Office.

• Blue-lined parking areas - Americans with Disabilities Act (ADA) accessible parking only
• Green-lined parking areas - Visitors only
• Orange-lined parking areas - Faculty and staff parking (no students at any time)
• Purple-lined parking areas - Board of Trustees (no students at any time)
• Red-lined areas - Designated fire lanes and emergency vehicle parking
• White-lined parking areas - Student Parking

All student parking permits must be permanently affixed to the driver's side rear bumper or rear windshield with the decal number clearly visible. Parking hang tags must be displayed from the rear-view mirror with the permit number facing the windshield.
Parking Violations and Fines

All fines shall be paid in person at the Business/Cashier's Office at each campus. Parking citations must be paid within 10 business days after posting. All fines are $10 for each offense unless otherwise specified below:

<table>
<thead>
<tr>
<th>Fine</th>
<th>Violation</th>
</tr>
</thead>
<tbody>
<tr>
<td>$10</td>
<td>No decal/improper display of decal or permit</td>
</tr>
<tr>
<td>$10</td>
<td>Parked over lines</td>
</tr>
<tr>
<td>$10</td>
<td>No parking zone</td>
</tr>
<tr>
<td>$10</td>
<td>Posted areas (No Parking, Visitor, College Vehicle Only)</td>
</tr>
<tr>
<td>$10</td>
<td>Driveways</td>
</tr>
<tr>
<td>$10</td>
<td>Double parked</td>
</tr>
<tr>
<td>$10</td>
<td>Service entrance/loading zones</td>
</tr>
<tr>
<td>$10</td>
<td>Students parked in faculty/staff parking lots</td>
</tr>
<tr>
<td>$10</td>
<td>Exceeding time limit in 15 minute loading/unloading zone</td>
</tr>
<tr>
<td></td>
<td>Failure to comply with instructions given by a security officer in the performance of traffic control and parking duties</td>
</tr>
<tr>
<td>$10</td>
<td>Within 10 feet of a fire hydrant or in a fire lane</td>
</tr>
<tr>
<td>$10</td>
<td>In a designated tow-away zone</td>
</tr>
<tr>
<td>$10</td>
<td>Parked in a reserved parking space</td>
</tr>
<tr>
<td></td>
<td>Driving around or removing a barricade</td>
</tr>
<tr>
<td>$10</td>
<td>Parked in visitors’ parking lot</td>
</tr>
<tr>
<td>$10</td>
<td>Providing false parking or vehicle registration information</td>
</tr>
<tr>
<td>$10</td>
<td>Obstructing driveways, sidewalks, roadways or other vehicles</td>
</tr>
<tr>
<td>$10</td>
<td>*Parked in ADA accessible parking space</td>
</tr>
</tbody>
</table>

*May also be subject to a state-assessed fine of $250 written by law enforcement officers.

Three or more unpaid parking citations will result in the vehicle being towed at the owner’s expense. Unpaid fines will result in an immediate hold on student records, diplomas, transcripts, certificates and future registrations. For more information, visit the Safety and Security website.

Tobacco Free College

To promote the health and wellness of the College community, Seminole State became a tobacco-free College on August 26, 2013. The use of tobacco of any kind and in any form is prohibited on all College-owned and/or operated facilities. This includes tobacco use in personal vehicles while on College property. Seminole State has partnered with the Seminole County Health Department to offer resources to help students and employees who need help quitting. For more information, please visit the Tobacco Free College website.
Financial Aid Overview

Seminole State College’s financial aid program helps eligible students who want to further their education but could not attend college without assistance. Financial aid is available to supplement a family’s contribution and help meet the cost of postsecondary education. The student financial aid programs are administered according to a nationally-accepted policy that the family, student and/or spouse is responsible for educational expenses.

The Office of Financial Aid and Scholarships provides each aid recipient with electronic information about financial assistance at Seminole State. Students are responsible for reading this information and asking questions if they do not understand.

Students should electronically submit their financial aid application by completing the FAFSA online.

Seminole State’s Federal School Code is 001520.

Students should frequently review the to-do list posted on their MySeminoleState Student Center page to ensure they provide, in a timely fashion, the requested information to complete their financial aid application. Students must also follow the directions and respond promptly to all financial aid correspondence.

Steps to Apply for Financial Aid

Steps to Apply for Financial Aid

1. New students must apply for admission to the College and submit proof of high school graduation. New and returning students must be in an eligible program. Financial aid awards may be predicted, but funds cannot be released without providing proof of high school graduation or GED® and timely submission of all required documentation.

2. Complete the FAFSA each year, listing Seminole State’s federal school code: 001520. Most male students must register with Selective Service to receive federal aid. Students can file electronically. Students must apply for financial aid each academic year. A limited amount of grants (other than Pell) are awarded to those students who complete their FAFSA prior to March 15, provided that funding is available.

3. Students selected for verification may use the DRT (Data Retrieval Tool) located on their FAFSA or provide copies of their (and/or their parents’) tax transcripts for the prior year obtained from the IRS website. Required documentation may be found by logging in to MySeminoleState and navigating to the forms section of the Financial Aid page. There may be other documentation requested on a case-by-case basis. All students selected for verification must submit all required verification and tax forms at least eight weeks prior to the term start date for on-time disbursement of aid during the term. A more detailed explanation of the verification process can be found in the MySeminoleState Student Center under Verification.

4. Students who apply for a student loan for the first time at Seminole State must complete an online student loan entrance counseling workshop. Students are required to complete an online Master Promissory Note (MPN) before funds can be received. Links to Promissory Notes and Entrance and Exit Counseling are available through the MySeminoleState Student Center or at the StudentLoans.gov website. Students must be enrolled at least half-time to qualify for student loans.

Types of Financial Assistance

- Pell Grant: The largest and best-known source of grants, Federal Pell Grants are awarded based on need and do not have to be repaid. Initial Pell
Grant awards are predicted at full-time enrollment status and are prorated after the add/drop period based on less than full time enrollment. A student may receive up to 12 full-time semesters (or their equivalent) of Pell Grant and Pell Grant usage and any remaining balance may be found at the National Student Loan Data System website. Contact Student Services concerning eligibility with less than half-time enrollment.

- **Federal Supplemental Educational Opportunity Grant:** This grant is awarded to undergraduate and vocational students who demonstrate exceptional financial need. Funds are limited and awards are made based on the priority consideration deadline.

- **Florida Student Assistance Grant:** This grant is awarded to students with financial need, based on state criteria. Recipients must have been a Florida resident for the previous 24 months, be enrolled at least half-time (six or more credits), meet the financial aid standards of progress and complete all attempted hours for each term during the prior year that the grant has been received for renewal. The FAFSA must be processed by May 15. Initial FSAG awards are predicted at full-time enrollment and are prorated after the Census Date period for part-time students.

- **Federal Work-Study Program:** This need-based program awards a maximum of 20 hours of employment per week based on the availability of funds.

- **Federal Direct Stafford Loan:** This loan is available for undergraduate students who enroll at least half time (six or more credits) at Seminole State. Academic year maximums are determined by federal regulations. Repayment begins six months after the student graduates, withdraws or drops below half-time enrollment. An additional unsubsidized loan is available as determined by federal regulations. For the unsubsidized loan, the student is responsible for repaying all interest, which begins accruing immediately following disbursement.

- **Federal Direct PLUS Loan:** This loan is available for parents of dependent students. Maximum eligibility is equal to the cost of education minus other aid. Repayment of principal and interest usually begins within 60 days of the disbursement of the loan, unless in-school repayment relief is granted.

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**Scholarships**

Institutional scholarships are awarded based on criteria established by Seminole State. Awards must be coordinated with other types of available financial assistance and may reduce the eligibility for other federal or state need-based aid. Private scholarships are awarded based on criteria established by organizations and agencies other than Seminole State. General scholarship application procedures are available on the Admissions Scholarships and Awards website or Foundation for Seminole State College.

State of Florida Scholarships (such as the Florida Bright Futures Scholarship) are based on Florida Department of Education guidelines and funding levels.

**Rights of Financial Aid Recipients**

- **Confidentiality:** The Privacy Act exists to protect students’ rights to confidentiality and limits the College from releasing information about a student’s file or award(s). Therefore, information released over the phone must be limited to general information. Students must submit a written request if they need information about their financial aid released to an outside agency or to another person. Please see Notification of Student’s Rights under Family Educational Rights and Privacy Act (FERPA) in the online catalog for additional information.

- **Knowledge:** Financial aid recipients have the right to know what the Student Financial Resources Office has done and what is expected of them. Students who have questions have the right to contact Financial Aid.

- **Fair and Equal Treatment:** Financial aid awards at Seminole State are made without regard to race, color, creed, national origin, age, sex, veteran status, disability, sexual orientation or marital status. Need is determined using a nationally recognized formula. Students who are concerned that they were not treated equally or fairly should...
discuss the situation with the Director of Financial Aid and Scholarships.

**Standards of Academic Progress (SAP) for Financial Aid Recipients**

A financial aid recipient is a student who receives any scholarship, loan, grant, or work-study award administered through Financial Aid and Scholarships.

Federal, state and college regulations require that a student must maintain satisfactory progress to receive financial assistance. The minimum standards at Seminole State are contained in this document and applicable to the financial assistance programs administered by Financial Aid and Scholarships.

At Seminole State, a student’s entire academic history, including credits that are transferred from other schools, is evaluated to determine whether he/she is maintaining satisfactory academic progress. Eligibility to receive financial aid is established each term, based on a student’s ability to meet the criteria for Standards of Academic Progress.

Failure to meet these Standards of Academic Progress will result in the student being placed on financial aid suspension. Students who are on financial aid suspension will be prohibited from receiving any financial assistance until they have returned to satisfactory progress. Students on financial aid suspension may continue to enroll and attend classes at Seminole State as long as tuition charges are paid through resources other than financial aid.

- **Successful completion of a class:** Defined as having earned a grade of "A," "B," "C," "D," "S" or "P."
- **Unsatisfactory completion or non-completion of a class:** Defined as having earned a grade of "F," "N," "W," "I," "U" or "X."
- **Enrollment Status:** This is established by the number of credit hours for which a student is officially registered each term. Students must successfully complete a specific number of credits as determined by their program of study and their enrollment status.

- **Total hours attempted:** Students are expected to earn a degree or certificate within a specified number of attempted hours and are only eligible for financial aid during this time. The number of attempted hours cannot exceed more than 150 percent of the published length of the educational program.

All students receiving any type of federal financial aid must meet the Standards of Academic Progress (SAP) for Financial Aid Recipients. The requirements for these standards are set by federal regulations. Students must meet all three criteria for ongoing eligibility for federal aid.

**SAP Requirements**

1. A student must maintain a minimum 2.0 cumulative grade point average (GPA);
2. A student must successfully complete at least 67 percent student completion rate (pace) of all Seminole State courses taken (including transfer courses accepted by Seminole State);
3. A student must complete his/her degree within the 150 percent time frame (example: an associate degree requiring 60 credit hours must be completed within 90 credit hours).

**Minimum Cumulative 2.0 GPA**

For students who have attended other colleges, the courses accepted as transfer credit by Seminole State, including those taken as part of another program of study, will be included in determining SAP for financial aid purposes.

**How to Calculate Student Completion Rate (Pace)**

The formula for calculating the completion rate is total hours earned divided by total hours attempted. The resulting percentage must be 67 percent or greater to meet Standards of Academic Progress (SAP) for Financial Aid Recipients.

For financial aid purposes, successful completion of a course means an earned grade of A, B, C or D. All other grades (F, I, W1, W2, W3, W4) are attempts or
unsuccessful completions and will impact a student’s progress. Attempts include any courses in which a student is enrolled for credit beyond the official add/drop refund deadline.

The following chart demonstrates 67 percent completion rate (pace) for attempted hours in a semester. The left-hand column is the attempted hours and the corresponding number in the right-hand column is the number of hours you must successfully complete with a 2.0 GPA or higher to maintain satisfactory SAP.

Example: A student registered for 12 credit hours must complete 8 credit hours with a 2.0 GPA or higher to meet the satisfactory SAP requirements for the semester. The 2.0 GPA and completion rate (pace) of 67 percent apply to the semester and cumulative totals on a student’s transcript.

<table>
<thead>
<tr>
<th>Credit Hours Attempted</th>
<th>Earned Hours Needed (Passed with a GPA of 2.0 or higher)</th>
</tr>
</thead>
<tbody>
<tr>
<td>15</td>
<td>11</td>
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<tr>
<td>14</td>
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<td>7</td>
<td>5</td>
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<tr>
<td>6</td>
<td>5</td>
</tr>
</tbody>
</table>

**Maximum Time Frame Eligibility**

- Students who have attempted more than 150 percent of the credits required for their program of study are not considered to be making satisfactory academic progress, according to requirements for SAP, and therefore, are ineligible for financial aid funds. Students who do not have a degree and exceed maximum hours will not be able to regain financial aid eligibility at Seminole State College.
- Students who change their educational program or graduate and reapply to a new program still must adhere to the maximum time frame policy.

Standards of Academic Progress (SAP) will be evaluated at the end of every term. Students who do not meet the SAP standards will be placed on “Financial Aid Warning” at the end of the semester in which they did not meet the standard(s). They will be eligible to receive federal financial aid funding for the following semester and given an opportunity to resume good academic standing. Students given this status are not required to petition for possible reinstatement of their financial aid eligibility.

Students placed on Financial Aid Warning status will be sent a notification advising them of their status, the impact of their future financial aid eligibility and the importance of seeking guidance/advising/counseling from appropriate staff. Students who do not meet SAP standards after this period of Financial Aid Warning will be denied eligibility for future semesters and placed on Financial Aid Suspension status until they meet the SAP standards or submit an SAP Appeal that is approved.

**Financial Aid Appeals Process**

Students who have not met SAP standards and are placed under Financial Aid Suspension status must complete the following steps to appeal their status and be considered for reinstatement for their financial aid eligibility.

1. Students who have extenuating circumstances (example, hospitalization, death of an immediate family member, call to active military duty, etc.) must complete an assessment before they can submit an appeal. This assessment can be found on the Financial Aid website. If this assessment determines you are qualified to appeal, then the appeal form will be made available for you to complete.
2. Attach documentation that supports the extenuating circumstance(s) to the appeal form
3. Submit the appeal and the supporting documentation to Student Services.

Incomplete appeals will not be accepted. Appropriate documentation as prescribed above must be provided at the time the appeal is submitted. After a thorough evaluation of the written request and all supporting documentation, the Financial Aid Review committee will make a decision and notify the student of the decision by email communication. Appeals are only accepted for the semester immediately preceding the appeal. The decision of the Financial Aid Review Committee is final.

Students are limited to one time frame appeal and will be required to successfully complete 100 percent of all future coursework if approved. Therefore, it is important that students take only the number of courses that they will complete successfully. A degree audit/grad check will be required for all time frame appeals.

The appeal must include a prescribed academic plan that must be approved by Academic Advising. If the appeal is approved, they will be placed on the academic plan. The student will continue on the academic plan as long as he/she is successfully complying with the prescribed academic plan requirement(s) that is submitted as part of the SAP Appeal. The probation status will stay on the student’s financial aid file until the student meets SAP Standards or completes his/her degree.

The student’s progression will be monitored during the probationary period at the beginning and end of the semester to ensure the student is following the prescribed academic plan and successfully matriculating through their program of study. Disbursements will not be made for a semester unless it is verified that the student’s prior review (if applicable) was acceptable and the student is in proper classes for the term in question.

A student will be considered successful in an Academic Plan if all three of the following items are met:

1. All of the classes taken under the plan are required for the student’s program of study;
2. The student maintains a minimum 2.5 GPA for the semester in question (not cumulative GPA) if grades were below 2.0 at time of appeal;
3. The student successfully completes 100 percent of the classes prescribed in the Academic Plan.

If any one of the three items above is not met, then the student will be considered to not have met the terms and conditions of the Academic Plan, and will be placed on Financial Aid Suspension and will be ineligible for financial aid until such time the student regains eligibility by establishing a minimum 2.0 cumulative GPA and reaching a 67 percent completion rate for all classes attempted.

If a student meets all three criteria above, the student will not have to appeal again for the following semester and the student will remain on the Academic Plan until such time the student regains eligibility.

**Academic Plan**

The SAP Appeal follows a prescribed academic plan that must be approved by Academic Advising. If the appeal is approved, the student will be placed on the academic plan. The student will continue on this plan as long as he/she successfully complies with the prescribed requirements until the student meets Satisfactory Academic Progress Standards or completes his/her degree.

The student’s progression will be monitored at the beginning and end of each semester to ensure the student is following the prescribed academic plan and successfully matriculating through his/her program of study. Disbursements will not be made for a semester unless it is verified that the student’s prior review (if applicable) was acceptable and the student is in the proper classes for the term in question.

A student will be considered successful in an academic plan if all three of the following items are met:

1. All of the classes taken under the plan are required for the student’s program of study;
2. The student maintains a minimum 2.5 GPA for the semester in question (not cumulative GPA);
3. The student successfully completes 100 percent of the classes prescribed in the academic plan.
If a student meets all three of the criteria listed above, he/she will not have to appeal again for the following semester and the student will remain on this Academic Plan until the student regains eligibility.

If any one of the three criteria listed above is not met, then the student will be considered to not have met the terms and conditions of the academic plan and will be placed on Financial Aid Suspension and will be ineligible for financial aid until the student regains eligibility by establishing a minimum 2.0 cumulative GPA and reaches a 67 percent completion rate for all classes attempted.

Note: The College has requirements for Standards of Academic Progress (SAP) as outlined in College Procedure 4.1000 and Standards of Academic Progress (SAP) for Financial Aid Recipients as outlined in College Procedure 4.2000. While on financial aid suspension, a student may be granted an appeal for SAP and register for classes. However, the amount owed will be the responsibility of the student. Financial aid does not cover payment for students who are on suspension.

Responsibilities of Financial Aid Recipients

Responsibilities of Financial Aid Recipients

- **Return of Title IV Funds:** Any federal financial aid recipient who completely withdraws or ceases attendance prior to completing more than 60 percent of any given term will be required to repay all or a percentage of the aid received. Students who find themselves in a situation where they must withdraw should make an effort to pass at least one course. The last date of attendance for withdrawn courses must be documented to minimize any over/repayment of federal funds. Failure to repay or make arrangements to repay these funds will make the student ineligible for future federal assistance from Seminole State or any other institution. The Department of Education has not made any provisions for extenuating circumstances and there is no appeal process. For more information, refer to the Financial Aid Student Guide.

All financial aid recipients must notify Student Services when making any changes in their programs. This includes the completion of a degree. Failure to do so may cause loss of aid. **Students who are receiving aid should check with Student Services before withdrawing from courses.**

- **Award Notification and Disbursement of Funds:** An award letter that states the types of aid, amounts and conditions of recipients’ awards will be available through the student’s secure MySeminoleState account. The disbursement of financial aid funds will begin after the add/drop period every semester and after faculty members certify attendance in scheduled classes. Financial aid will first be applied to outstanding financial obligations the student may have with Seminole State, such as tuition, as well as fees and book charges. Any remaining balance that is due to the student will be disbursed via direct deposit, debit card authorization or paper check. Students who are anticipating a refund will receive information from the company Money Network to declare their preference on how the refund will be processed. **Since this process takes place after the term begins, it is essential that financial aid recipients set aside personal funds to cover expenses at the start of each term.**

  **Note:** For students who enroll in courses that begin after the standard start date of the semester, certification for aid eligibility and eventual disbursement of aid may not occur until those classes begin and attendance is verified by the instructor. Contact the Student Success Specialist on any campus for further details.

- **Census Date:** Is defined as the last date of add/drop for the A/Full term. In order to have courses counted in enrollment status for Financial Aid calculations, a student must be registered in all courses for the term by the census date. This means that in order to have any B session or 12 week session courses counted in a student’s financial aid award calculation, they must be included in those registered for during the student’s initial enrollment period. If a student who enrolls for A/Full term plans to also enroll in a B
session course, they must do so by the end of add/drop for the A/Full term. If a student’s initial enrollment for the term is during B session or the 12 week session add/drop, then their awards will be calculated based on enrollment at the end of that session’s add/drop.

- **Providing Complete and Correct Information:** If inaccurate or incomplete information is provided, applications cannot be processed. This will result in delays or could make the student ineligible for aid. Students who deliberately provide false or misleading information may be prosecuted for federal fraud, which carries a penalty of up to 10 years in prison, a $10,000 fine or both.

- **Abiding by Agreements:** As part of their financial aid application, students are asked to sign agreements that they understand the eligibility criteria associated with their aid programs. These signature requests can be either manual signatures or e-signatures using the student’s unique PIN. Financial aid recipients should fully understand all forms before signing agreements.

- **Standards of Academic Progress (SAP):** Federal regulations require students to demonstrate satisfactory progress toward a degree or certificate to be eligible to receive financial assistance. Academic progress for financial aid applicants will be checked at the end of each term, regardless of whether the student had received financial aid. See Standards of Academic Progress for Financial Aid Recipients for more information.

  Measures of progress require that students:

  ◦ Achieve and maintain a 2.0 GPA in their program;
  ◦ Maintain a minimum 67 percent completion rate (total hours completed divided by total hours attempted. This includes any transfer hours);
  ◦ Complete a degree or certificate program within 150 percent of the number of hours required to complete the program.

**Important Information**

- Any student who receives a Seminole State scholarship must meet the financial aid Standards of Progress each term to maintain the scholarship for subsequent terms. Some scholarships have additional requirements.
- Federal Direct student loans must be repaid. Students are required to complete entrance counseling before borrowing on student loans, and must complete required exit counseling when the student ceases enrollment, withdraws, reduces enrollment below six hours a term, graduates or applies for graduation.
- Less-than-half-time students may be eligible for Federal Pell Grants, depending on the level of the Pell award. This is allowed no more than two consecutive terms or three total, at the request of the student by contacting a Student Success Specialist.
- Students who have earned a bachelor’s degree are ineligible for Federal Pell Grants or FSEOG but may be eligible for other federal student aid programs. The only exception are those post-baccalaureate students enrolled in the Teacher's Certificate program who may receive Federal Pell Grants and Federal Direct Student Loans.
- Students who attend two schools in the same enrollment period must inform both financial aid administrators. Students can only receive funds awarded through the degree-granting institution (the home institution). Students attending two institutions during the same semester pursuing coursework required for the attainment of degree requirements at the home institution must complete and file a Transient Student Admission Application online.
- Conviction of drug distribution or possession may make a student ineligible for federal aid.
- Financial aid cannot be paid for classes outside of the student’s prescribed program plan or for classes that are “Audited.”
- Federal aid is limited to 30 credit hours of developmental courses in addition to their Program Requirements.
- Federal aid cannot be paid to students enrolled in an AA/AS program, for pre-requisite courses needed for acceptance to another program (such as Baccalaureate.) The only exception to this is that Direct Loans may be paid for up to 12 months once a student has graduated with their A.A. /A.S. degree and is enrolled in only required pre-requisite courses.
• Financial Aid Deferment: This option is available for students who have made a timely application for federal and state financial aid and wish to pay for tuition and fees from financial assistance. Students must complete and sign an online request via MySeminoleState each semester. For details, contact Student Services. Financial Aid deferments will not be available to those on SAP Warning, Probation or Academic Plan until after the current term’s grades have been finalized and posted.
• Students receiving a one-term only loan will receive the loan amount in a minimum of two disbursements. This means that Financial Aid may not disburse more than half a student’s total loan amount before the midpoint of the term.
• Financial need is the difference between the estimated cost of education and the amount a student and his/her family are expected to contribute to these costs minus other scholarships or financial aid. Need-based financial aid awards may consist of a combination of grants, part-time employment and loans.

Gainful Employment

The U.S. Department of Education requires colleges to disclose a variety of information for any financial aid-eligible program that “prepares students for gainful employment in a recognized occupation.”

This information includes:

- Standard Occupation Classifications (SOC) codes (the occupation the program prepares the student to enter);
- Program Length;
- On-time graduation rates;
- Cost of the program, including books and fees;
- Job placement rate for students completing the program;
- Median loan debt incurred by students who have completed the program;

The list of Gainful Employment Programs is published online and contains information on Seminole State College programs that fit the gainful employment criteria.
Student Fees and Residency

Payment of Tuition and Fees

Students can view their fees and payment deadlines by logging in to MySeminoleState and navigating to the Student Center. All fees must be paid by the due dates shown on the account or the student risks being dropped from his/her classes.

After initial enrollment and payment of tuition and fees each term, it remains the student’s responsibility to verify that the account balance remains zero after any further enrollment activity on the account for that term. Students are encouraged to review their MySeminoleState Student Center each time they have enrollment activity and pay any outstanding balance by the payment due date.

In some cases, fees may be deferred against anticipated financial aid. Tuition deferment is an online process and must be completed every term. After all financial aid, scholarships and third-party funding have been applied to the student’s account, it is his/her responsibility to pay any remaining balance by the due date.

Acceptable payment methods for tuition and fees:

- In person at any Seminole State campus cashier window with cash, check, money order, credit card or debit card (cardholder must be present to sign for all credit card and debit card transactions);
- Online, via MySeminoleState, with a valid credit card;
- Mail a check (checks must be preprinted with account holder’s name and address) or money order, made payable to Seminole State College, to the following address:

  Seminole State College of Florida  
  Business Services Office L213  
  100 Weldon Blvd.  
  Sanford, FL 32773

Please include the student’s Seminole State student ID number on the check or money order. Payments made via U.S. mail must be received in the Business Services Office at least three to five business days before the payment due date to allow for processing.

For more information about tuition and fees, call the Cashiers Office at 407.708.2140.

Residency Statement

All Seminole State College applicants who are Florida residents for tuition purposes are required to make a statement as to their length of residence in the State of Florida and submit it with their application for admission in accordance with criteria set forth in Section 1009.21, F.S. and 6A-10.044 F.B.R. Applicants who are not residents for tuition purposes may attend Seminole State College and are not required to submit a statement of residency. Non-Florida residents, for tuition purposes, will pay higher fees than Florida residents.

A Florida resident, for tuition purposes, or if a dependent child, his/her parent(s), must have established and maintained a legal residence in the state for at least 12 months immediately prior to his/her first day of class. The applicant must state that his/her length of residence, or if a dependent child, his/her parent(s) length of residence, was for the purpose of maintaining a bona fide domicile and not for the purpose of maintaining a temporary residence for tuition purposes.

A dependent child is a person who is eligible to be claimed by his/her parent(s) as a "child" under the Federal Income Tax Codes whether or not they are living with the parent(s). A dependent child living with an adult relative other than his/her parent(s) may qualify as a Florida resident for tuition purposes if the adult relative has maintained a legal residence in the State of Florida for 12 consecutive months and the dependent child has lived with the relative for three years immediately preceding his/her first day of class. The adult relative must have exercised the day-to-day
care, supervision and control of the child during the three-year period. A dependent child whose parents are divorced or separated may qualify as a resident for tuition purposes if either parent is a legal resident of Florida, regardless of which parent claims the child as a dependent for federal income tax purposes. The following categories will be considered as Florida residents for tuition purposes:

- Active duty members of the Armed Forces of the United States residing or stationed in Florida and their dependents;
- Full-time instructional and administrative personnel employed by a public educational institution and their dependents;
- Qualified beneficiaries under the Florida Pre-Paid Postsecondary Expense program;
- Others as permitted by state statute or rule.

Seminole State College may deny credit earned by a student if it is determined that he/she has made false, incomplete or fraudulent statements in connection with his/her application for admission. In determining Florida residency for tuition purposes, the burden of proof rests with the applicant.

A non-Florida resident may apply in writing for reclassification as a resident for tuition purposes. Non-Florida residents must produce evidence that they are legal residents and have resided in the state for 12 consecutive months prior to the first day of full term classes for the semester of enrollment. A dependent child must provide evidence that his/her parents are legal residents of Florida. A resident alien may be considered a Florida resident for tuition purposes if he/she has resided in the State of Florida for 12 consecutive months after being granted resident alien status by the United States Immigration and Naturalization Service. Only non-resident aliens, classed in specific visa categories as determined by the State of Florida, may be eligible for classification as a Florida resident for tuition purposes. If the applicant provides evidence satisfactory to the College, the applicant will be reclassified as a resident for tuition purposes for subsequent terms.

A student may appeal residency classification by following the College-approved appeals process for residency classification.

### 2017-2018 Fee Schedule

The Florida State Legislature and the Seminole State District Board of Trustees annually establish required fees. The following information on tuition and fees is presented as a guide for estimating the cost of attending Seminole State College. All fees are subject to change without notice.

#### Fee schedule for 2017-2018

<table>
<thead>
<tr>
<th></th>
<th>Florida Resident Fees (per credit or credit equivalent)</th>
<th>Non-Florida Resident Fees (per credit or credit equivalent)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>College Credit Fees</strong></td>
<td></td>
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</tr>
<tr>
<td>Tuition</td>
<td>$79.78</td>
<td>$79.78</td>
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<tr>
<td>Nonresident Fee</td>
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<tr>
<td>Financial Aid Fee</td>
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<td>Student Activity Fee</td>
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<td>Capital Improvement Fee</td>
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<tr>
<td>Technology Fee</td>
<td>$3.94</td>
<td>$15.78</td>
</tr>
</tbody>
</table>
### ID Card Fee

| ID Card Fee | $0.30 | $0.30 |

### Total Credit Hour Rate

| Total Credit Hour Rate | $104.38 | $381.87 |

### Post-Secondary Adult Vocational Credit (per credit equivalent)

| Tuition | $69.90 | $69.90 |
| Nonresident Fee | $0.00 | $209.70 |
| Financial Aid Fee | $6.90 | $27.90 |
| Capital Improvement Fee | $3.30 | $13.80 |
| Technology Fee | $3.30 | $13.80 |
| ID Card Fee | $0.30 | $0.30 |

| Total Per Credit Hour | 83.70 | 335.40 |

### Total Per Contact Hour Rate

| Total Per Contact Hour Rate | 2.79 | $11.18 |

### Baccalaureate Fees (per credit hour)

| Tuition | $91.79 | $91.79 |
| Nonresident Fee | $0.00 | $262.26 |
| Financial Aid Fee | $4.37 | $17.48 |
| Student Activity Fee | $8.74 | $8.74 |
| Capital Improvement Fee | 10.34 | 26.60 |
| Technology Fee | $4.37 | $17.48 |
| ID Card Fee | $0.30 | $0.30 |

| Total Credit Hour Rate | $119.91 | $424.65 |

### Academic Foundation Fees (per credit equivalent)

| Tuition (Per Term) | $30.00 | $30.00 |

**Note:** One credit equivalent is equal to 30 contact hours.

### Other Fees Which May Be Assessed At The Time Of Registration

<p>| Distance Learning Fee | $8.85 (Per Credit Hour) |
| Dishonored Check Service Charge | $25.00 |
| International Student Fee | $50.00 |
| Student ID Card Replacement Fee | $10.00 |
| Transcript Fee | $5.00 |
| Degree Verification Fee | $4.00 |</p>
<table>
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<th>Fee</th>
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<tr>
<td>Replacement Diploma Fee</td>
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<td>Parking Fine</td>
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<table>
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<th>Laboratory Fee Range</th>
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<tr>
<td>Arts and Sciences Courses</td>
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<tr>
<td>Career Programs Courses</td>
<td>$4-$800</td>
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<tr>
<td>Non Credit Courses</td>
<td>$0.04-$50</td>
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Fees are subject to change without notice.
Seminole State College of Florida offers bachelor’s degrees in the following fields:

- Business and Information Management, Bachelor of Science (B.S.)
  - Entrepreneurship Specialization
  - Interdisciplinary Specialization
  - Supply Chain Management Specialization
- Construction, Bachelor of Science (B.S.)
- Engineering Technology, Bachelor of Science (B.S.)
  - Civil, Site and Surveying Specialization
  - Engineering and Project Management Specialization
  - Mechatronics and Robotics Specialization
  - Production and Design Specialization
  - Sustainable Engineering Specialization
- Health Sciences, Bachelor of Science (B.S.)
  - Clinical Science Specialization
  - Community Paramedic Specialization
  - Healthcare Management & Professional Services Specialization
  - Health Coaching Specialization
  - Respiratory Therapy & Clinical Leadership Specialization
  - Simulation in Healthcare Education Specialization
- Information Systems Technology, Bachelor of Science (B.S.)
  - Cyber Security Specialization
  - Programming Specialization
- Interior Design, Bachelor of Applied Science (B.A.S.)

Seminole State College of Florida’s baccalaureate degree programs are designed in a unique 2+2 model. Under the 2+2 model, students first earn an Associate’s degree and continue on into a Bachelor’s degree throughout their studies at Seminole State. Students are encouraged to meet with a bachelor’s degree specialist each term prior to registering for classes to ensure enrollment in the correct course sequence.

**Application Deadline**

Admission documents must be submitted by these dates:

- **Fall 2017 Term:** August 14, 2017
- **Spring 2018 Term:** January 2, 2018
- **Summer 2018 Term:** May 2, 2018

**Admissions Requirements for Baccalaureate Degree Students**

Applicants seeking admission to Seminole State College’s bachelor’s degree programs must comply with the College’s General Admissions procedure in the College Catalog. In addition, students must meet the following program-specific requirements listed below prior to being accepted into upper-division coursework:

**Business and Information Management, Bachelor of Science (B.S.)**

- Business and Information Management, Bachelor of Science degree contains the following specializations:
  - Entrepreneurship
  - Interdisciplinary
  - Supply Chain Management
- Completion of an Associate in Arts (A.A.) or bachelor’s degree from a regionally accredited institution or completion of an Associate in Science (A.S.) degree in a business-related field from any regionally accredited institution. All other degrees will be evaluated by the faculty committee on a case-by-case basis.
• A GPA of 2.0 or higher.
• Program Progression Requirements: Once admitted, students must achieve (or have achieved) a grade of "C" or higher in the following courses:
  ◦ ACG 2021 Principles of Financial Accounting
  ◦ ACG 2071 Principles of Managerial Accounting
  ◦ CGS 2100C Office Applications
  ◦ ECO 2013 Principles of Economics (MACRO)
  ◦ ECO 2023 Principles of Economics (MICRO)
  ◦ MAC 2233 Concepts of Calculus
  ◦ STA 2023 Statistical Methods I

Construction, Bachelor of Science (B.S.)

• Completion of an Associate in Arts (A.A.) or bachelor's degree from a regionally accredited institution or selected Associate in Science (A.S.) degree from any regionally accredited Florida institution:
  ◦ A.S., Architectural Design and Construction Technology (CIP 1615010100)
  ◦ A.S., Building Construction Technology (CIP 161500101)
  ◦ A.S., Construction Management (CIP 1646041201)
  ◦ A.S., Construction Management (CIP 1646041200)

  All other degrees will be evaluated by the faculty committee on a case-by-case basis.

• A GPA of 2.0 or higher.
• Program Progression Requirements:
  ◦ An Associate in Science (A.S.) degree in any one of the regionally accredited Florida programs listed above satisfies the Construction Technical Foundation requirements detailed in the Bachelor of Science (B.S.), Construction degree program. Students with any other degree must complete the technical foundation courses with a grade of "C" or higher along with the non-technical foundation courses.

Engineering Technology, Bachelor of Science (B.S.)

• Engineering Technology, Bachelor of Science degree contains the following specializations:
  ◦ Civil, Site and Surveying
  ◦ Design, Modeling and Simulation
  ◦ Engineering and Project Management
  ◦ Mechatronics and Robotics
  ◦ Sustainable Engineering

• Completion of an Associate in Arts (A.A.) or bachelor's degree from a regionally accredited institution or completion of selected Associate in Science (A.S.) degrees in related areas from any regionally accredited Florida institution:
  ◦ A.S., Architectural Design and Construction Technology (CIP 1615010100)
  ◦ A.S., Architectural Design and Drafting Technology (CIP 1615010100)
  ◦ A.S., Civil Engineering (CIP 1715020101)
  ◦ A.S., Electronics Engineering Technology (CIP 1615000001)
  ◦ A.S., Engineering Technology (CIP 1615030301)
  ◦ A.S., Environmental Science Technology (CIP 171509901)
  ◦ A.S., Industrial Management Technology (CIP 1606200101)
  ◦ A.S., Manufacturing Technology (CIP 1615060302)
  ◦ A.S., Naval Architecture and Yacht Design (CIP 1614220100)
  ◦ A.S., Safety Engineering Technology (CIP 1615070101)
  ◦ A.S., Technology Project Management (CIP 1506120107)

  Sixty-plus credit hours from a regionally accredited institution with at least 18 credit hours in Engineering or Engineering Technology satisfies requirements for admission into the program.

  All other degrees will be evaluated by the faculty committee on a case-by-case basis.

• A GPA of 2.0 or higher.
• Program Progression Requirements: Once admitted, students must achieve (or have achieved) a grade of "C" or higher in the following courses:
  ◦ Civil, Site & Surveying Specializations
  ◦ Production & Design Specializations
Health Sciences, Bachelor of Science (B.S.)

- Health Sciences, Bachelor of Science degree contains the following specializations:
  - Clinical Science
  - Community Paramedic
  - Health Coaching
  - Healthcare Management & Professional Services
  - Respiratory Therapy & Clinical Leadership
  - Simulation in Healthcare Education
- Completion of an Associate's degree from a regionally accredited institution. Degree requirements for the specializations are:
  - Respiratory Therapy and Clinical Leadership specializations require an Associate in Science degree in the following areas from any regionally accredited institution:
    - A.S., Cardiovascular/Cardiopulmonary Technology (CIP 1351090100)
    - A.S., Respiratory Care (CIP 1351090800)

  - All other specializations require an Associate in Science degree, or an Associate in Applied Science degree in a healthcare-related area from a regionally accredited institution. Students with an awarded Associate in Arts degree from a regionally accredited institution may be required to complete 24 credits in lower division healthcare-related coursework.

    - A GPA of 2.0 or higher.

Information Systems Technology, Bachelor of Science (B.S.)

- Completion of an Associate in Arts (A.A.) or bachelor's degree from a regionally accredited institution or completion of selected Associate in Science (A.S.) degrees from any regionally accredited Florida institution:
  - A.S., Computer Information Technology (CIP 1507030600)
  - A.S., Computer Programming and Analysis (CIP 1507030500)
  - A.S., Computer Programming and Analysis Web Programming Specialization (CIP 1507030500)
  - A.S., Information Systems Technology (CIP 1507030401)
  - A.S., Network Services Technology (CIP 1507030401)

  - All other degrees will be evaluated by the faculty committee on a case-by-case basis.
  - A GPA of 2.0 or higher.
  - Program progression requirements: Once admitted, students must achieve (or have achieved) a grade of "C" or higher in the following courses:
    - Programming and Cyber Security Specializations:
      - CET 1179 Network Concepts and Operating Systems
      - CET 1600C Cisco Networking Fundamentals (Net+)
Interior Design, Bachelor of Applied Science (B.A.S.)

- Completion of an Associate in Science (A.S.) degree in Interior Design that meets the following requirements:
  - The program must be a Florida Board of Architecture Interior Design-approved program;
  - The degree must be from a regionally accredited Florida institution.

All other degrees will be evaluated by the faculty committee on a case-by-case basis to make the final admission determination. Students entering with an A.S. degree from a college other than Seminole State may need additional courses to provide appropriate background for the baccalaureate program.

- A GPA of 2.0 or higher.

NOTE: Students accepted into any Baccalaureate Degree at Seminole State College of Florida must be College ready in English and Mathematics. Enrollment in developmental courses or EAP courses under the Baccalaureate Degree is prohibited.

Graduation Requirements for Baccalaureate Degree Students

Seminole State College baccalaureate degree candidates must satisfy these institutional and degree requirements:

1. Complete a minimum 120 credits or as designated by program academic hours with a grade point average (GPA) of 2.0 excluding courses designated by an asterisk (*) in the course description section of this catalog (college preparatory level courses, technical non-transfer and vocational level courses).
2. Complete at least 25 percent of the total degree requirements at Seminole State College (e.g., a 120 semester-hour degree requires at least 30 semester hours completed at Seminole State College).
3. At least 50 percent of the upper division (3###, 4###) courses must be completed at Seminole State College.
4. Students must be enrolled in coursework at Seminole State during the semester of graduation.
5. Achieve a Seminole State College GPA of 2.0 ("C") or higher.
6. Complete any required capstone courses with a grade of "C" or higher.
7. Successfully complete or satisfy Seminole State's General Education requirements (with a grade of "C" or higher) including the following:
   a. Six semester hours of Gordon Rule English coursework.
   b. Six semester hours of additional Gordon Rule coursework in which the student is required to demonstrate college-level writing skills through multiple assignments.
   c. Six semester hours of Gordon Rule mathematics coursework at the level of college algebra or higher.

Note: Seminole State requires that students satisfy the Gordon Rule by successfully completing General Education coursework in English, humanities, social sciences and history, as well as a mathematics course.

d. Students awarded an Associate in Arts degree, baccalaureate degree or who have official transcripts documenting "General Education Requirements Met" from a Florida College System or Florida State University System degree-granting institution shall be considered to have satisfied Seminole State’s General Education requirements.

e. Students awarded a baccalaureate degree from a regionally accredited institution shall be considered to have satisfied Seminole State’s General Education requirements.

8. Demonstrate foreign language proficiency (at the intermediate level) equivalent to 2 years in high school or a sequence of 2 college credit courses in a single language. A standardized examination for
foreign language may be used to meet the requirement. Students who have previously received a baccalaureate degree from a regionally accredited institution are exempt from this requirement.

9. Have on file in the Records and Registration Office official transcripts of all college work previously taken at other colleges or universities.

10. File an Intent to graduate form in the Records and Registration Office by the published deadline date on the College academic calendar.

11. Pay all fees and discharge all other obligations to the complete satisfaction of the College.

12. The student is not eligible for graduation until all grades of “I” have been removed from the academic record.

13. It is the student’s sole responsibility to ensure that his/her program plan is correct and current for the semester that he/she graduates. The College will not automatically change the student’s program plan if it is not accurate, so we encourage students to meet with a baccalaureate student success specialist prior to the start of his/her final term of enrollment.
Academic Programs and Prerequisite Courses for the Major

Academic Schools

Seminole State’s Academic Affairs Division is divided into four schools:

- School of Arts and Sciences
- School of Business, Health and Public Safety
- School of Engineering, Design and Construction
- School of Academic Foundations

School of Arts and Sciences

The School of Arts and Sciences is a diverse scholarly community that promotes a foundation of reasoned inquiry that enables students to develop philosophical, ethical, scientific and artistic knowledge. The School offers the core academic courses for students who are pursuing associate or bachelor’s degrees from Seminole State.

The School is subdivided into the following departments:

- Arts and Communications
- Biological Science
- English
- Honors Institute
- Humanities and Modern Languages
- Mathematics
- Physical Science
- Social Science

School of Business, Health and Public Safety

The School of Business, Health and Public Safety provides educational pathways to high demand and high wage careers that enable individuals to be financially self-sufficient. These programs strengthen the region’s economic health and prepare individuals for lifelong rewarding careers. Central Florida’s major employers participate as advisory board members, helping to design curricula so that graduates are able to integrate technical skills, critical thinking and leadership. Each of the programs readies graduates for immediate employment in their career field and provides the option to continue their education to a bachelor’s degree.

The School is home to the following professional disciplines:

- Accounting
- Business and Entrepreneurship
- Early Childhood Education
- Healthcare
- Legal Studies
- Nursing
- Public Safety

School of Engineering, Design and Construction

The School of Engineering, Design and Construction provides comprehensive programs leading to professional careers in the built environment. The School offers programs grounded in academic course work, site visits and practical application of industry principles.

The School is home to the following professional disciplines:

- Automotive Technology
- Building Construction
- Digital Media
- Engineering
- Information Technology, Networking and Programming
- Interior Design
School of Academic Foundations

The School of Academic Foundations provides practical instruction for adults who are seeking basic academic skills, a high school diploma, preparation for the GED® exam, personal enrichment and skill building.

The unique needs of the adult learner are met using individualized instructional programs and innovative classroom instruction. Classes are offered at Seminole State College campuses and at outreach sites throughout Seminole County with day, evening and weekend hours available.

The School offers the following programs:

- Adult Basic Education/GED®
- Adult High School
- English Language Studies

Academic Options

At Seminole State, you will find many options for your academic future:

Applied Technology Diploma (A.T.D.) - A college credit program designed to prepare students for employment.

Associate in Applied Science (A.A.S.) degree - The Associate in Applied Science (A.A.S.) degree is designed for students with clearly defined career goals. The A.A.S. prepares graduates for immediate entry into a specialized technical or semi-professional career field where students can achieve expertise and mastery of practical performance. These degrees enable graduates to be financially self-sufficient. These programs strengthen the region economically and prepare individuals for rewarding careers. Central Florida’s major employers participate as advisory board members, helping to design curricula so that graduates are able to integrate technical skills, critical thinking, leadership and academic coursework. In addition to entering the workforce, the A.S. degree provides students the option to continue their education in a bachelor’s degree program at Seminole State or one of the state universities such as University of Central Florida (UCF) while working in their career fields. Students planning to transfer into a baccalaureate program should consult with a baccalaureate degree specialist.

Bachelor of Applied Science (B.A.S.) degree - A four-year college credit degree program designed to prepare students for advancement within specific workforce sectors.

Bachelor of Science (B.S.) degree - A four-year degree (typically 120 credit hours, with some exceptions) with a scientific emphasis.
Certificate of Professional Preparation (C.P.P.) - A college credit certificate designed to prepare baccalaureate degree holders for licensure, certification, credentialing, examinations or other demonstrations of competency necessary for entry into professional occupations.

College Credit (C.C.) certificate - These short-term programs range from 12 to 36 credits and are designed as stepping stones to an A.S. degree and a career. As students complete each program, they receive a college credit certificate which documents the skills they’ve learned and enhances their marketability as they advance toward the A.S. degree.

Institutional Credit (E.P.I.) - A competency-based program that provides baccalaureate degree holders in a field other than education the opportunity to become certified K-12 teachers.

Post Secondary Adult Vocational (P.S.A.V.) certificate - Post Secondary Adult Vocational (P.S.A.V.) certificates are typically one year in length or less. Some P.S.A.V. programs may be as short as 165 contact hours. P.S.A.V. programs are not for college credit. P.S.A.V. programs prepare graduates for immediate entry into specific skill-based occupations such as air conditioning technician and automotive technician. In many cases, the vocational certificate graduate may transition into related A.S. degree programs at Seminole State.

Listed below are Seminole State’s academic programs sorted by academic school.

School of Arts and Sciences

Associate in Arts (A.A.) Degree

Prerequisite Courses for the Major:

- Accounting
- Advertising/Public Relations
- Aerospace Engineering
- Agricultural Operations Management
- Anthropology
- Architecture
- Art - BFA Emerging Media
- Art - Education
- Art - Studio Track
- Art - Visual Arts and Emerging Media Management
- Athletic Training
- Biology - Pre-Professional
- Biomedical Sciences
- Biotechnology
- Business - General
- Chemistry
- Civil Engineering
- Communication Sciences and Disorders
- Computer Engineering
- Computer Science
- Construction
- Construction Engineering
- Criminal Justice
- Digital Media
- Early Childhood Education
- Economics
- Economics - Business Track
- Electrical Engineering
- Elementary Education
- English - Creative Writing
- English Language Arts Education
- English - Literature
- English - Technical Communication
- Environmental Engineering
- Exceptional Student Education
- Event Management
- Finance
- Forensic Science
- Health Informatics and Health Information Management
- Health Science - Pre-Clinical Allied Health Track
- Health Services Administration
- History
- Honors Diploma Program
- Hospitality Management
- Human Communication
- Humanities
- Industrial Engineering
- Information Systems Technology
- Information Technology
- Interdisciplinary Studies - Environmental Studies
- International and Global Studies
- Journalism
- Management
- Marine Biology
- Marketing
- Mathematics
- Mathematics Education
• Mechanical Engineering  
• Medical Laboratory Sciences  
• Meteorology  
• Music  
• Music Education  
• Musical Theatre  
• Nursing  
• Nutrition and Dietetics  
• Pharmacy  
• Photonic Science and Engineering  
• Physics  
• Political Science - Pre-Law Track  
• Psychology  
• Public Administration  
• Radio-Television  
• Real Estate  
• Science Education - Biology  
• Science Education - Chemistry  
• Science Education - Physics  
• Social Science Education  
• Social Sciences  
• Social Work  
• Sociology  
• Sport and Exercise Science  
• Sports Management  
• Statistics  
• Technical Education and Industry Training  
• Theatre  
• Visual Arts and Emerging Media Management  
• World Language Education - Spanish

**Associate in Science (A.S.) Degree**

- Chemical Technology  
  - Chemical/Biological Technical Specialization  
  - Engineering Specialization  
- Digital Cinema and Television Production

**College Credit Certificates**

- Digital Video Fundamentals  
- Honors Certificate  
- Instructional Design  
- International Studies Certificate  
- Laboratory Science Certificate  
- Stage Technology  
- Video Editing and Post Production

**Specialized Program**

- Educator Preparation Institute (EPI)

**School of Business, Health and Public Safety**

**Center for Business, Legal and Entrepreneurship**

**Bachelor of Science (B.S.) Degree**

- Business and Information Management  
  - Supply Chain Management Specialization  
  - Entrepreneurship Specialization  
  - Interdisciplinary Specialization

**Associate in Science (A.S.) Degrees**

- Accounting Technology  
- Administrative Office Management  
- Business Administration  
  - AS to BS (BIM) Specialization  
  - General Specialization  
  - Human Resources Management Specialization  
  - Management Specialization  
  - Marketing and Sales Specialization  
  - Insurance (Risk Management) Specialization  
- Entrepreneurship and Business Management  
- Legal Assistant/Paralegal  
- Social Media and Marketing  
- Supply Chain Management

**College Credit Certificates**

- Accounting Applications  
- Accounting Operations  
- Accounting Specialist  
- Business Operations  
- Business Specialist  
- Entrepreneurship  
- Entrepreneurship Operations  
- Financial Operations  
- Financial Operations Specialist
• Global Business
• Human Resources Administrator
• Management
• Marketing
• Office Management
• Office Specialist
• Office Support
• Small Business Management
• Supply Chain Management

Center for Public Safety

Associate in Science (A.S.) Degrees

• Criminal Justice Technology
• Emergency Medical Services (EMS)
• Fire Science Technology

College Credit Certificates

• Criminal Justice Law Enforcement Leadership
• Criminal Justice Technology Specialist
• Emergency Medical Technician - Basic (EMT)
• Fire Officer Supervisor
• Homeland Security Professional
• Paramedic Technology

Vocational Certificates

• Auxiliary Law Enforcement Officer
• Correctional Officer Cross-Over Training to Florida Law Enforcement Academy
• Fire Academy
• Fire Academy/EMT Combined Program
• Florida Law Enforcement Academy
• Law Enforcement Officer Cross-Over Training to Traditional Correctional Basic Recruit
• Private Security Officer
• Traditional Correctional Basic Recruit

Early Childhood Education

Associate in Science (A.S.) Degree

• Early Childhood Education

College Credit Certificates

• Childcare Center Management Specialization
• Early Childhood Education, Early Intervention Specialist
• Early Childhood Education, Infant/Toddler Specialization
• Early Childhood Education, Preschool Specialization
• Educational Assisting

Vocational Certificate

• Early Childhood Professional Certificate (ECPC)

Moore Family Center for Health Professions

Bachelor of Science (B.S.) Degree

• Health Sciences
  ◦ Clinical Sciences Specialization
  ◦ Community Paramedic Specialization
  ◦ Health Coaching Specialization
  ◦ Healthcare Management and Professional Services Specialization
  ◦ Respiratory Therapy and Clinical Leadership Specialization
  ◦ Simulation in Healthcare Education Specialization

Associate in Science (A.S.) Degrees

• Clinical Pharmacy Technology
• Health Information Technology
• Nursing (RN)
• Physical Therapist Assistant (PTA)
• Respiratory Care

Applied Technology Diploma

• Pharmacy Technician
College Credit Certificates

- Laboratory Science
- Medical Information Coder/Biller

School of Engineering, Design and Construction

Center for Interior Design

Bachelor of Applied Science (B.A.S) Degree

- Interior Design

Associate in Science (A.S.) Degrees

- Interior Design Technology

College Credit Certificates

- Kitchen and Bath Design
- Residential Staging Specialist

Center for Engineering and Computer Technology

Bachelor of Science (B.S.) Degree

- Engineering Technology
  - Civil, Site and Surveying Specialization
  - Engineering and Project Management Specialization
  - Mechatronics and Robotics Specialization
  - Production and Design Specialization
  - Sustainable Engineering Specialization
- Information Systems Technology
  - Cyber Security Specialization
  - Programming Specialization

Certificate of Professional Preparation

- Project Management

Associate in Science (A.S.) Degrees

- Architectural Engineering Technology
- Computer-Aided Drafting and Design
- Computer Programming and Analysis
  - AS to BS (IST) Programming Specialization
  - Computer Programming Specialization
  - Web Specialization
- Digital Design
- Engineering Technology
- Industrial Technology Management
- Information Systems Technology
  - AS to BS (IST Cybersecurity) Specialization
  - Networking Specialization
- Network Systems Technology
  - CISCO Network Infrastructure Specialization
  - Network Operating Systems Specialization
  - Security and Virtualization Specialization

Associate of Applied Science (A.A.S) Degree

- Automotive Service Management Technology

College Credit Certificates

- 3D Printing and Virtual Environments
- Advanced Computer-Aided Design (C.A.D.)
- Animation and Visual Effects
- Associate Project Management
- Automotive Maintenance and Light Repair
- Automotive Technician
- Computer-Aided Design (C.A.D.)
- Computer Programming
- Computer Programming Specialist
- Computer Repair and Installation
- Digital and Interactive Media Design
- Digital Media, Digital Media/Multimedia Production
- Digital Media, Graphic Design Production
- Digital Media, Graphic Design Support
- IP Communications
- IT Client Specialist
• Information Technology Analysis
• Microsoft Infrastructure (MCSA/MCSE)
• Network Infrastructure
• Network Server Administration
• Network Support Technician
• Social Media and Web Applications
• Sustainability
• Virtualization
• Web Development

**College Credit Certificate**

• Building Construction

**Vocational Certificates**

• Air Conditioning, Refrigeration and Heating Technology I
• Air Conditioning, Refrigeration and Heating Technology II
• Electrician Helper
• Construction Apprenticeship - Electricity (Commercial)
• Construction Apprenticeship - Fire Sprinkler System Technology
• Construction Apprenticeship - Plumbing Technology
• General Building Maintenance and Repair Specialist
• Welding Technologies

**Wharton Smith Center for Construction**

**Bachelor of Science (B.S.) Degree**

• Construction

**Associate in Science (A.S.) Degrees**

• Construction Management

**School of Academic Foundations**

• ABE/GED®
• Adult High School
• English Language Studies
School of Arts and Sciences

AA, Accounting Prerequisite Courses for the Major
Associate in Arts
Subplan Code: BUS-ACC CIP: 1192401010

Program Description

The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses

Completion of the A.A. General degree to include the following prerequisite courses for the major:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACG 2021</td>
<td>Principles of Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ACG 2071</td>
<td>Principles of Managerial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>CGS 2100C</td>
<td>Computer Applications</td>
<td>3</td>
</tr>
<tr>
<td>ECO 2013</td>
<td>Principles of Economics (MACRO)**</td>
<td>3</td>
</tr>
<tr>
<td>ECO 2023</td>
<td>Principles of Economics (MICRO)</td>
<td>3</td>
</tr>
<tr>
<td>MAC 2233</td>
<td>Concepts of Calculus</td>
<td>3</td>
</tr>
<tr>
<td>STA 2023</td>
<td>Statistical Methods I**</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credits: 60.00

** Denotes that a class is a State of Florida General Education Core Course.

AA, Advertising/Public Relations Prerequisite Courses for the Major
Associate in Arts
Subplan Code: CAS-ADVE CIP: 1192401010

Program Description

The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses

Completion of the A.A. General degree to include the following prerequisite courses for the major:

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<td>3</td>
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<td>Concepts of Calculus</td>
<td>3</td>
</tr>
<tr>
<td>STA 2023</td>
<td>Statistical Methods I**</td>
<td>3</td>
</tr>
</tbody>
</table>
| Total Credits: 60.00

** Denotes that a class is a State of Florida General Education Core Course.
Choose 3 credits from the following list:

- ECO 2013 Principles of Economics (MACRO)** 3
- ECO 2023 Principles of Economics (MICRO) 3

Recommended

- AMH 2010 United States History to 1865 3
- AMH 2020 United States History 1865 to Present** 3
- POS 2041 United States Federal Government** 3
- POS 2112 State and Local Government 3

Total Credits: 60.00

** Denotes that a class is a State of Florida General Education Core Course.

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**AA, Aerospace Engineering Prerequisite Courses for the Major**

**Associate in Arts**

Subplan Code: ENG-AERO CIP: 1192401010

Program Description

The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Total Credits: 60.00

** Denotes that a class is a State of Florida General Education Core Course.

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**AA, Agricultural Operations Management Prerequisite Courses for the Major**

**Associate in Arts**

Subplan Code: AGR-PLAN CIP: 1192401010

Program Description

The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must...
work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

### Sample Courses

**Completion of the A.A. General degree to include the following prerequisite courses for the major:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
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<tbody>
<tr>
<td>ACG 2021</td>
<td>Principles of Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>BSC 2010C</td>
<td>General Biology I**</td>
<td>4</td>
</tr>
<tr>
<td>BSC 2011C</td>
<td>General Biology II</td>
<td>4</td>
</tr>
<tr>
<td>CHM 2045C</td>
<td>General Chemistry I**</td>
<td>4</td>
</tr>
<tr>
<td>CHM 2046C</td>
<td>General Chemistry II with Qualitative Analysis</td>
<td>4</td>
</tr>
<tr>
<td>ECO 2013</td>
<td>Principles of Economics (MACRO)**</td>
<td>3</td>
</tr>
<tr>
<td>ECO 2023</td>
<td>Principles of Economics (MICRO)</td>
<td>3</td>
</tr>
<tr>
<td>MAC 2311</td>
<td>Analytic Geometry and Calculus I**</td>
<td>5</td>
</tr>
<tr>
<td>PSY 2012</td>
<td>General Psychology**</td>
<td>3</td>
</tr>
<tr>
<td>STA 2023</td>
<td>Statistical Methods I**</td>
<td>3</td>
</tr>
<tr>
<td>SPC 1608</td>
<td>Introduction to Oral Communication</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Credits: 60.00**

** Denotes that a class is a State of Florida General Education Core Course.

### Program Description

The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

### Sample Courses

**Completion of the A.A. General degree to include the following prerequisite courses for the major:**

Any 2 courses in anthropology with the following prefix: ANT.

**Total Credits: 60.00**

** Denotes that a class is a State of Florida General Education Core Course.

### AA, Anthropology Prerequisite Courses for the Major

**Associate in Arts**

**Subplan Code: ANT-ANTR CIP: 1192401010**

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The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.
The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses

Completion of the A.A. General degree to include the following prerequisite courses for the major:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARC 1301</td>
<td>Architectural Design I</td>
<td>3</td>
</tr>
<tr>
<td>MAC 2233</td>
<td>Concepts of Calculus</td>
<td>3</td>
</tr>
<tr>
<td>PHY 1053C</td>
<td>General Physics I**</td>
<td>4</td>
</tr>
</tbody>
</table>

Total Credits: 60.00

** Denotes that a class is a State of Florida General Education Core Course.

AA, Art - BFA Emerging Media Prerequisite Courses for the Major

Associate in Arts

Subplan Code: ART-ART CIP: 1192401010

Program Description

The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses

Completion of the A.A. General degree to include the following prerequisite courses for the major:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 1201C</td>
<td>Design Fundamentals I</td>
<td>3</td>
</tr>
<tr>
<td>ART 1203C</td>
<td>Design Fundamentals II</td>
<td>3</td>
</tr>
<tr>
<td>ART 1300C</td>
<td>Drawing I</td>
<td>3</td>
</tr>
<tr>
<td>ART 1301C</td>
<td>Drawing II</td>
<td>3</td>
</tr>
<tr>
<td>ARH 2050</td>
<td>Art History I</td>
<td>3</td>
</tr>
<tr>
<td>ARH 2051</td>
<td>Art History II</td>
<td>3</td>
</tr>
</tbody>
</table>

ART#### Any ART prefix courses

Total Credits: 60.00

** Denotes that a class is a State of Florida General Education Core Course.

AA, Art - Studio Track Prerequisite Courses for the Major

Associate in Arts

Subplan Code: ART-STUD CIP: 1192401010

Program Description

The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.
The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses

Completion of the A.A. General degree to include the following prerequisite courses for the major:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARH 2050</td>
<td>Art History I</td>
<td>3</td>
</tr>
<tr>
<td>ARH 2051</td>
<td>Art History II</td>
<td>3</td>
</tr>
<tr>
<td>ART 1201C</td>
<td>Design Fundamentals I</td>
<td>3</td>
</tr>
<tr>
<td>ART 1203C</td>
<td>Design Fundamentals II</td>
<td>3</td>
</tr>
<tr>
<td>ART 1300C</td>
<td>Drawing I</td>
<td>3</td>
</tr>
<tr>
<td>ART 1301C</td>
<td>Drawing II</td>
<td>3</td>
</tr>
<tr>
<td>ART### Any ART prefix courses</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Total Credits: 60.00

** Denotes that a class is a State of Florida General Education Core Course.

AA, Art - Visual Arts and Emerging Media Management Prerequisite Courses for the Major Associate in Arts

Subplan Code: ART-VA CIP: 1192401010

Program Description

The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses

Completion of the A.A. General degree to include the following prerequisite courses for the major:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARH 2050</td>
<td>Art History I</td>
<td>3</td>
</tr>
<tr>
<td>ARH 2051</td>
<td>Art History II</td>
<td>3</td>
</tr>
<tr>
<td>ART 1201C</td>
<td>Design Fundamentals I</td>
<td>3</td>
</tr>
<tr>
<td>ART 1203C</td>
<td>Design Fundamentals II</td>
<td>3</td>
</tr>
<tr>
<td>ART 1300C</td>
<td>Drawing I</td>
<td>3</td>
</tr>
<tr>
<td>ART 1301C</td>
<td>Drawing II</td>
<td>3</td>
</tr>
<tr>
<td>ART### Any ART prefix course</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Total Credits: 60.00

** Denotes that a class is a State of Florida General Education Core Course.
The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses

Completion of the A.A. General degree to include the following prerequisite courses for the major:

- **ARH 2051** Art History II 3
- **ARH 2050** Art History I 3
- **ART 1201C** Design Fundamentals I 3
- **ART 1203C** Design Fundamentals II 3
- **ART 1300C** Drawing I 3
- **ART 1301C** Drawing II 3
- **EDF 2005** Introduction to the Teaching Profession 3
- **EDF 2085** Introduction to Diversity for Educators 3
- **EME 2040** Introduction to Technology for Educators 3

** Total Credits: ** 60.00

** Denotes that a class is a State of Florida General Education Core Course.

**AA, Associate in Arts - General Education Requirements**

**Associate in Arts**

**Subplan Code: AA-GEN  CIP: 1192401010**

**Program Description**

Completion of the following General Education requirements will satisfy the basic requirements in General Education for the Associate in Arts degree.

General Education courses for the Associate in Science, Bachelor of Applied Science, and Bachelor of Science degrees are also drawn from this list. Seminole State College's associate in arts students entering the Florida College system in 2015-2016 and thereafter must complete at least one identified STATE CORE COURSE in each section. Please refer to the online catalog for a complete listing of all the identified STATE CORE COURSES.

**Communication - Must take one State Core Course** 9

Nine credits required

- **Choose 1 English I course:**
  - **ENC 1101** English I** 3
  - **ENC 1101H** Honors English I** 3

- **Choose 1 English II course:**
  - **ENC 1102** English II 3
  - **ENC 1102H** Honors English II 3

- **Choose 1 Oral Communications course:**
  - **SPC 1608** Introduction to Oral Communication 3
  - **IDH 2106** Honors Oratory: Speech, Argumentation and Debate 3

**Humanities - Must take one State Core Course** 6
Three credits must be taken from Area A

**Humanities Area A**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HUM 1020</td>
<td>Introduction to Humanities**</td>
<td>3</td>
</tr>
<tr>
<td>HUM 2022</td>
<td>Liberal Arts Humanities</td>
<td>3</td>
</tr>
<tr>
<td>HUM 2022H</td>
<td>Honors Liberal Arts Humanities</td>
<td>3</td>
</tr>
<tr>
<td>HUM 2220</td>
<td>Ancient/Classical Humanities</td>
<td>3</td>
</tr>
<tr>
<td>HUM 2223</td>
<td>Medieval Humanities</td>
<td>3</td>
</tr>
<tr>
<td>HUM 2232</td>
<td>Renaissance/Baroque Humanities</td>
<td>3</td>
</tr>
<tr>
<td>HUM 2234</td>
<td>18th and 19th Century Humanities</td>
<td>3</td>
</tr>
<tr>
<td>HUM 2250</td>
<td>20th/21st Century Humanities</td>
<td>3</td>
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<tr>
<td>HUM 2250H</td>
<td>Honors 20th/21st Century Humanities</td>
<td>3</td>
</tr>
<tr>
<td>HUM 2263</td>
<td>The World of Dickens</td>
<td>3</td>
</tr>
<tr>
<td>HUM 2322</td>
<td>Women, Gender and Culture</td>
<td>3</td>
</tr>
<tr>
<td>HUM 2322H</td>
<td>Honors Women, Gender and Culture</td>
<td>3</td>
</tr>
<tr>
<td>HUM 2410</td>
<td>Asian Humanities</td>
<td>3</td>
</tr>
<tr>
<td>HUM 2410H</td>
<td>Honors Asian Humanities</td>
<td>3</td>
</tr>
<tr>
<td>HUM 2454</td>
<td>African American Humanities</td>
<td>3</td>
</tr>
<tr>
<td>HUM 2454H</td>
<td>Honors African American Humanities</td>
<td>3</td>
</tr>
<tr>
<td>HUM 2461</td>
<td>Latin American Humanities</td>
<td>3</td>
</tr>
<tr>
<td>IDH 2102</td>
<td>Honors Arts and Ideas</td>
<td>3</td>
</tr>
<tr>
<td>HUM 2461H</td>
<td>Honors Latin American Humanities</td>
<td>3</td>
</tr>
<tr>
<td>HUM 2481</td>
<td>Native American Humanities</td>
<td>3</td>
</tr>
<tr>
<td>HUM 2930H</td>
<td>Honors Selected Studies in Humanities</td>
<td>3</td>
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</tbody>
</table>

**Humanities Area B**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>IDH 1104</td>
<td>Honors Arts and Culture</td>
<td>3</td>
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<tr>
<td>AML 2010</td>
<td>American Literature I</td>
<td>3</td>
</tr>
<tr>
<td>AML 2020</td>
<td>American Literature II</td>
<td>3</td>
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<tr>
<td>AML 2600</td>
<td>Survey of African American Literature</td>
<td>3</td>
</tr>
<tr>
<td>ARH 1000</td>
<td>Art Appreciation**</td>
<td>3</td>
</tr>
<tr>
<td>ARH 2050</td>
<td>Art History I</td>
<td>3</td>
</tr>
<tr>
<td>ARH 2051</td>
<td>Art History II</td>
<td>3</td>
</tr>
<tr>
<td>ENG 2100</td>
<td>The Art of Film</td>
<td>3</td>
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<tr>
<td>ENG 2103</td>
<td>World Cinema</td>
<td>3</td>
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<tr>
<td>ENL 2012</td>
<td>British Literature I</td>
<td>3</td>
</tr>
<tr>
<td>ENL 2022</td>
<td>British Literature II</td>
<td>3</td>
</tr>
<tr>
<td>LIT 2000</td>
<td>Introduction to Literature**</td>
<td>3</td>
</tr>
<tr>
<td>LIT 2090</td>
<td>Contemporary Literature</td>
<td>3</td>
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<tr>
<td>LIT 2090H</td>
<td>Honors Contemporary Literature</td>
<td>3</td>
</tr>
<tr>
<td>LIT 2120</td>
<td>World Literature II</td>
<td>3</td>
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<td>LIT 2120H</td>
<td>Honors World Literature II</td>
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<tr>
<td>MUH 2022</td>
<td>History of Rock Music</td>
<td>3</td>
</tr>
<tr>
<td>MUH 2026</td>
<td>Introduction to Blues and Jazz</td>
<td>3</td>
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<tr>
<td>MUL 2010</td>
<td>Music Appreciation**</td>
<td>3</td>
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<tr>
<td>MUL 2014</td>
<td>Introduction to Music History and Literature</td>
<td>3</td>
</tr>
<tr>
<td>PHI 1630</td>
<td>Contemporary Ethical Problems</td>
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<tr>
<td>PHI 2010</td>
<td>Introduction to Philosophy I**</td>
<td>3</td>
</tr>
<tr>
<td>Code</td>
<td>Course Title</td>
<td>Credits</td>
</tr>
<tr>
<td>-------</td>
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<tr>
<td>PHI 2010H</td>
<td>Honors Intro to Philosophy I**</td>
<td>3</td>
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<tr>
<td>PHI 2011</td>
<td>Introduction to Philosophy II</td>
<td>3</td>
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<tr>
<td>REL 2300</td>
<td>Religions of the World</td>
<td>3</td>
</tr>
<tr>
<td>THE 1020</td>
<td>Theatre Survey</td>
<td>3</td>
</tr>
<tr>
<td>THE 1300</td>
<td>Survey Dramatic Literature</td>
<td>3</td>
</tr>
<tr>
<td>THE 2000</td>
<td>Theatre Appreciation**</td>
<td>3</td>
</tr>
</tbody>
</table>

**Social Science and History - Must take one State Core Course**

Nine credits required

Courses must be taken from three areas. Three credits must be taken from History

**Area A Anthropology**

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>ANT 2000</td>
<td>General Anthropology**</td>
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<tr>
<td>ANT 2410</td>
<td>Introduction to Cultural Anthropology</td>
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**Area B Economics**

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>ECO 1000</td>
<td>Basic Economics</td>
<td>3</td>
</tr>
<tr>
<td>ECO 2013</td>
<td>Principles of Economics (MACRO)**</td>
<td>3</td>
</tr>
<tr>
<td>ECO 2013H</td>
<td>Honors Principles of Economics (MACRO)**</td>
<td>3</td>
</tr>
<tr>
<td>ECO 2023</td>
<td>Principles of Economics (MICRO)</td>
<td>3</td>
</tr>
<tr>
<td>ECO 2023H</td>
<td>Honors Principles of Economics (MICRO)</td>
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</tr>
<tr>
<td>ECO 2930</td>
<td>Selected Studies in Economics</td>
<td>3</td>
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**Area C Geography**

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>GEA 1000</td>
<td>World Regional Geography</td>
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</tr>
<tr>
<td>GEO 1200</td>
<td>Introduction to Physical Geography</td>
<td>3</td>
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</tbody>
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**Area D Political Science**

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>CPO 1421</td>
<td>Politics, Society, and Islam</td>
<td>3</td>
</tr>
<tr>
<td>INR 2002</td>
<td>International Relations</td>
<td>3</td>
</tr>
<tr>
<td>INR 2002H</td>
<td>Honors International Relations</td>
<td>3</td>
</tr>
<tr>
<td>PAX 2000</td>
<td>Introduction to Peace Studies</td>
<td>3</td>
</tr>
<tr>
<td>POS 2041</td>
<td>United States Federal Government**</td>
<td>3</td>
</tr>
<tr>
<td>POS 2112</td>
<td>State and Local Government</td>
<td>3</td>
</tr>
<tr>
<td>POT 2002H</td>
<td>Honors - Political Theory</td>
<td>3</td>
</tr>
<tr>
<td>PUP 2230</td>
<td>Energy and Environmental Policy</td>
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**Area E Psychology**

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>CBH 1021H</td>
<td>Comparative Psychology &amp; Animal Behavior</td>
<td>3</td>
</tr>
<tr>
<td>CLP 2140</td>
<td>Abnormal Psychology</td>
<td>3</td>
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<tr>
<td>DEP 2004</td>
<td>Developmental Psychology</td>
<td>3</td>
</tr>
<tr>
<td>INP 2002</td>
<td>Introduction to Industrial Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PPE 2001</td>
<td>Psychology - Introduction to Personality</td>
<td>3</td>
</tr>
<tr>
<td>PSY 2012</td>
<td>General Psychology**</td>
<td>3</td>
</tr>
<tr>
<td>PSY 2012H</td>
<td>General Psychology Honors**</td>
<td>3</td>
</tr>
<tr>
<td>PSY 2602</td>
<td>The Evolution of Modern Psychology</td>
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**Area F Sociology**

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SYG 2000</td>
<td>Introduction to Sociology**</td>
<td>3</td>
</tr>
<tr>
<td>SYG 2000H</td>
<td>Honors Introduction to Sociology**</td>
<td>3</td>
</tr>
<tr>
<td>SYG 2010</td>
<td>Social Problems</td>
<td>3</td>
</tr>
<tr>
<td>Course Code</td>
<td>Course Name</td>
<td>Credits</td>
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<tr>
<td>------------</td>
<td>------------------------------------------------------------</td>
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</tr>
<tr>
<td>SYG 2110H</td>
<td>Honors Introduction to Social Research</td>
<td>3</td>
</tr>
<tr>
<td>SYG 2230</td>
<td>Cultural Pluralism</td>
<td>3</td>
</tr>
<tr>
<td>SYG 2430</td>
<td>Marriage and the Family</td>
<td>3</td>
</tr>
<tr>
<td>SYG 2311</td>
<td>Introduction to Conflict Studies</td>
<td>3</td>
</tr>
<tr>
<td>SYP 2512</td>
<td>Sociology of Deviance</td>
<td>3</td>
</tr>
<tr>
<td>SYG 2340</td>
<td>Human Sexuality</td>
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<tr>
<td>AMH 2010</td>
<td>United States History to 1865</td>
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<tr>
<td>AMH 2010H</td>
<td>Honors United States History to 1865</td>
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</tr>
<tr>
<td>AMH 2020</td>
<td>United States History 1865 to Present**</td>
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</tr>
<tr>
<td>AMH 2020H</td>
<td>Honors United States History 1865 to Present**</td>
<td>3</td>
</tr>
<tr>
<td>AMH 2035</td>
<td>The United States 1945 to Present</td>
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<td>AMH 2035H</td>
<td>Honors The United States 1945 to Present</td>
<td>3</td>
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<tr>
<td>AMH 2070</td>
<td>History of Florida</td>
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<tr>
<td>AMH 2090</td>
<td>United States Women’s History</td>
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<tr>
<td>AMH 2090H</td>
<td>Honors United States Women’s History</td>
<td>3</td>
</tr>
<tr>
<td>AMH 2091</td>
<td>African American History</td>
<td>3</td>
</tr>
<tr>
<td>AMH 2095</td>
<td>Native American History</td>
<td>3</td>
</tr>
<tr>
<td>AMH 2905</td>
<td>Directed Studies in American History</td>
<td>3</td>
</tr>
<tr>
<td>AMH 2905H</td>
<td>Honors Native American History</td>
<td>3</td>
</tr>
<tr>
<td>ASH 2021</td>
<td>East Asian History (China, Japan and Korea)</td>
<td>3</td>
</tr>
<tr>
<td>EUH 2000</td>
<td>Western Civilization to 1600</td>
<td>3</td>
</tr>
<tr>
<td>EUH 2001</td>
<td>Western Civilization 1600 to Present</td>
<td>3</td>
</tr>
<tr>
<td>IDH 1613</td>
<td>Honors Ancient History</td>
<td>3</td>
</tr>
<tr>
<td>LAH 2020</td>
<td>Latin American History</td>
<td>3</td>
</tr>
<tr>
<td>HPS 2100H</td>
<td>Honors - History Meets Science</td>
<td>3</td>
</tr>
<tr>
<td>WOH 2232H</td>
<td>Honors Survey of Early Christianity</td>
<td>3</td>
</tr>
<tr>
<td>WOH 1022</td>
<td>World History Since 1500</td>
<td>3</td>
</tr>
<tr>
<td>WOH 2232</td>
<td>Survey of Early Christianity</td>
<td>3</td>
</tr>
</tbody>
</table>

**Natural Science - Must take one State Core Course**

- BOT 2432 Applied Mycology                         3
- BSC 1005 Concepts of Biology**                    3
- BSC 1005C Concepts of Biology**                   4
- BSC 2010C General Biology I**                     4
- BSC 2011C General Biology II                      4
- BSC 1020 Human Biology                            3
- BSC 1050 Biology and Environment                  3
- BSC 1050H Honors Biology and Environment          3
- BSC 1076 Get Ready for Anatomy and Physiology     1
- BSC 1085 - Anatomy and Physiology I -Transfer     3
- BSC 2004 Parasitology and Human Disease           3
- BSC 2093C Anatomy and Physiology I                4

Six credits required

Courses must be taken from two areas

**Area A Biological Science**

- BOT 2432 Applied Mycology                         3
- BSC 1005 Concepts of Biology**                    3
- BSC 1005C Concepts of Biology**                   4
- BSC 2010C General Biology I**                     4
- BSC 2011C General Biology II                      4
- BSC 1020 Human Biology                            3
- BSC 1050 Biology and Environment                  3
- BSC 1050H Honors Biology and Environment          3
- BSC 1076 Get Ready for Anatomy and Physiology     1
- BSC 1085 - Anatomy and Physiology I -Transfer      3
- BSC 2004 Parasitology and Human Disease           3
- BSC 2093C Anatomy and Physiology I                4
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>BSC 2094C</td>
<td>Anatomy and Physiology II</td>
<td>4</td>
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<tr>
<td>BSC 2420C</td>
<td>Principles of Biotechnology I</td>
<td>4</td>
</tr>
<tr>
<td>BSC 2934C</td>
<td>Selected Studies in Biology</td>
<td>4</td>
</tr>
<tr>
<td>PCB 1050</td>
<td>Exploring your Genome</td>
<td>3</td>
</tr>
<tr>
<td>MCB 2010C</td>
<td>Microbiology</td>
<td>4</td>
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<tr>
<td></td>
<td><strong>Area B Earth Science</strong></td>
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<tr>
<td>AST 1002</td>
<td>Introduction to Astronomy**</td>
<td>3</td>
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<tr>
<td>ESC 1000</td>
<td>Introduction to Earth Science**</td>
<td>3</td>
</tr>
<tr>
<td>EVR 1001</td>
<td>Introduction to Environmental Science**</td>
<td>3</td>
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<tr>
<td>GLY 1000</td>
<td>Introduction to Geology</td>
<td>3</td>
</tr>
<tr>
<td>GLY 1030</td>
<td>Geology and the Environment</td>
<td>3</td>
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<tr>
<td>GLY 1101</td>
<td>Fossils and the History of Life</td>
<td>3</td>
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<tr>
<td>GLY 2010C</td>
<td>Physical Geology with Laboratory</td>
<td>4</td>
</tr>
<tr>
<td>GLY 2100C</td>
<td>Historical Geology with Laboratory</td>
<td>4</td>
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<tr>
<td>MET 1010</td>
<td>Introduction to Meteorology</td>
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<tr>
<td>MET 1010C</td>
<td>Introduction to Meteorology with Lab</td>
<td>4</td>
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<tr>
<td>MET 1104</td>
<td>Introduction to Climate Studies</td>
<td>3</td>
</tr>
<tr>
<td>OCE 1001CH</td>
<td>Honors Introduction to Oceanography with Lab</td>
<td>4</td>
</tr>
<tr>
<td>OCE 1001</td>
<td>Introduction to Oceanography</td>
<td>3</td>
</tr>
<tr>
<td>OCE 1001C</td>
<td>Introduction to Oceanography with Lab</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td><strong>Area C Physical Science</strong></td>
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<tr>
<td>CHM 1020</td>
<td>Contemporary Chemistry**</td>
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<tr>
<td>CHM 1020H</td>
<td>Honors Contemporary Chemistry**</td>
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<tr>
<td>CHM 1020C</td>
<td>Contemporary Chemistry**</td>
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<tr>
<td>CHM 1032C</td>
<td>Foundations of College Chemistry</td>
<td>4</td>
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<tr>
<td>CHM 2045C</td>
<td>General Chemistry I**</td>
<td>4</td>
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<tr>
<td>CHM 2045CCH</td>
<td>Honors General Chemistry**</td>
<td>4</td>
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<tr>
<td>CHM 2046C</td>
<td>General Chemistry II with Qualitative Analysis</td>
<td>4</td>
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<tr>
<td>CHM 2046CCH</td>
<td>Honors General Chemistry II with Qualitative Analysis</td>
<td>4</td>
</tr>
<tr>
<td>CHM 2046CH</td>
<td>Honors General Chemistry II</td>
<td>4</td>
</tr>
<tr>
<td>CHM 2210C</td>
<td>Organic Chemistry I</td>
<td>4</td>
</tr>
<tr>
<td>CHM 2211C</td>
<td>Organic Chemistry II</td>
<td>4</td>
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<tr>
<td>PHY 1001</td>
<td>Physics</td>
<td>3</td>
</tr>
<tr>
<td>PHY 1001L</td>
<td>Physics Laboratory</td>
<td>1</td>
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<tr>
<td>PHY 1020</td>
<td>Conceptual Physics**</td>
<td>3</td>
</tr>
<tr>
<td>PHY 1020L</td>
<td>Conceptual Physics Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>PHY 1053C</td>
<td>General Physics I**</td>
<td>4</td>
</tr>
<tr>
<td>PHY 1054C</td>
<td>General Physics II</td>
<td>4</td>
</tr>
<tr>
<td>PHY 2048C</td>
<td>Physics with Calculus I**</td>
<td>4</td>
</tr>
<tr>
<td>PHY 2049C</td>
<td>Physics with Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>PHY 2049CH</td>
<td>Honors Physics with Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>PHY 2049CH</td>
<td>Honors Physics with Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>PSC 2521</td>
<td>Sustainability: Concepts and Issues</td>
<td>3</td>
</tr>
</tbody>
</table>

**Mathematics - Must take one State Core Course**

Six credits required

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 1105</td>
<td>College Algebra**</td>
<td>3</td>
</tr>
<tr>
<td>Course Code</td>
<td>Course Name</td>
<td>Credits</td>
</tr>
<tr>
<td>------------</td>
<td>------------------------------------------</td>
<td>---------</td>
</tr>
<tr>
<td>MAC 1105H</td>
<td>Honors College Algebra**</td>
<td>3</td>
</tr>
<tr>
<td>MAC 1114</td>
<td>Trigonometry</td>
<td>3</td>
</tr>
<tr>
<td>MAC 1140</td>
<td>Precalculus Algebra</td>
<td>3</td>
</tr>
<tr>
<td>MAC 1147</td>
<td>Precalculus Algebra/Trigonometry</td>
<td>5</td>
</tr>
<tr>
<td>MAC 2233</td>
<td>Concepts of Calculus</td>
<td>3</td>
</tr>
<tr>
<td>MAC 2311</td>
<td>Analytic Geometry and Calculus I**</td>
<td>5</td>
</tr>
<tr>
<td>MAC 2311H</td>
<td>Honors Analytical Geometry and Calculus I**</td>
<td>5</td>
</tr>
<tr>
<td>MAC 2312</td>
<td>Analytic Geometry and Calculus II</td>
<td>5</td>
</tr>
<tr>
<td>MAC 2313</td>
<td>Analytic Geometry and Calculus III</td>
<td>4</td>
</tr>
<tr>
<td>MAC 2905</td>
<td>Directed Studies in Mathematics</td>
<td>3</td>
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<tr>
<td>MAP 2302</td>
<td>Elementary Differential Equations</td>
<td>3</td>
</tr>
<tr>
<td>MAS 2103</td>
<td>Linear Algebra</td>
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<tr>
<td>MGF 1106</td>
<td>College Mathematics**</td>
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<tr>
<td>MGF 1107</td>
<td>Liberal Arts Mathematics**</td>
<td>3</td>
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<tr>
<td>STA 2023H</td>
<td>Honors Statistical Methods I**</td>
<td>3</td>
</tr>
<tr>
<td>STA 2023</td>
<td>Statistical Methods I**</td>
<td>3</td>
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</tbody>
</table>

** Electives and Required Prerequisites for the Major 24

Completion of a minimum of 24 credits, exclusive of courses with a number beginning with zero or courses designated as non-transfer.

** Total Credits: 60.00

** Denotes that a class is a State of Florida General Education Core Course.

### Associate in Arts

** Subplan Code: SCI-BIO CIP: 1192401010**

### Program Description

The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

### Sample Courses

Completion of the A.A. General degree to include the following prerequisite courses for the major:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>BSC 2010C</td>
<td>General Biology I**</td>
<td>4</td>
</tr>
<tr>
<td>BSC 2011C</td>
<td>General Biology II</td>
<td>4</td>
</tr>
<tr>
<td>CHM 2045C</td>
<td>General Chemistry I**</td>
<td>4</td>
</tr>
<tr>
<td>CHM 2046C</td>
<td>General Chemistry II with Qualitative Analysis</td>
<td>4</td>
</tr>
<tr>
<td>CHM 2210C</td>
<td>Organic Chemistry I</td>
<td>4</td>
</tr>
<tr>
<td>CHM 2211C</td>
<td>Organic Chemistry II</td>
<td>4</td>
</tr>
<tr>
<td>STA 2023</td>
<td>Statistical Methods I**</td>
<td>3</td>
</tr>
</tbody>
</table>

Choose 1 Physics group:
and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

**Sample Courses**

Completion of the A.A. General degree to include the following prerequisite courses for the major:

- **BSC 2010C General Biology I** 4
- **BSC 2011C General Biology II** 4
- **CHM 2045C General Chemistry I** 4
- **CHM 2046C General Chemistry II with Qualitative Analysis** 4
- **CHM 2210C Organic Chemistry I** 4
- **CHM 2211C Organic Chemistry II** 4
- **MAC 2311 Analytic Geometry and Calculus I** 5
- **STA 2023 Statistical Methods I** 3

**Choose 1 Physics group:**

- **PHY 1053C General Physics I** 4
  and
- **PHY 1054C General Physics II** 4
  or
- **PHY 2048C Physics with Calculus I** 4
  and
- **PHY 2049C Physics with Calculus II** 4

**Total Credits:** 60.00
** Denotes that a class is a State of Florida General Education Core Course.

### AA, Biotechnology Prerequisite Courses for the Major

**Associate in Arts**  
Subplan Code: BIO-TECH  
CIP: 1192401010

**Program Description**

The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

**Sample Courses**

Completion of the A.A. General degree to include the following prerequisite courses for the major:

- BSC 2010C General Biology I** 4
- BSC 2011C General Biology II 4
- CHM 2045C General Chemistry I** 4
- CHM 2046C General Chemistry II with Qualitative Analysis 4
- CHM 2210C Organic Chemistry I 4
- CHM 2211C Organic Chemistry II 4
- STA 2023 Statistical Methods I** 3

Choose 1 course from the following list:

- MAC 2233 Concepts of Calculus 3
- MAC 2311 Analytic Geometry and Calculus I** 5

Choose 1 Physics group:

- PHY 1053C General Physics I** 4
  and
- PHY 1054C General Physics II 4
  or
- PHY 2048C Physics with Calculus I** 4
  and
- PHY 2049C Physics with Calculus II 4

**Total Credits:** 60.00

** Denotes that a class is a State of Florida General Education Core Course.

### AA, Business - General Prerequisite Courses for the Major

**Associate in Arts**  
Subplan Code: BUS-GEN  
CIP: 1192401010

**Program Description**

The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer
counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses

Completion of the A.A. General degree to include the following prerequisite courses for the major:

- ACG 2021 Principles of Financial Accounting 3
- ACG 2071 Principles of Managerial Accounting 3
- CGS 2100C Computer Applications 3
- ECO 2013 Principles of Economics (MACRO)** 3
- ECO 2023 Principles of Economics (MICRO) 3
- MAC 2233 Concepts of Calculus 3
- STA 2023 Statistical Methods I** 3

Total Credits: 60.00

** Denotes that a class is a State of Florida General Education Core Course.

AA, Chemistry Prerequisite Courses for the Major

Associate in Arts

Subplan Code: SCI-CHEM CIP: 1192401010

Program Description

The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

Completion of the A.A. General degree to include the following prerequisite courses for the major:

- CHM 2045C General Chemistry I** 4
- CHM 2046C General Chemistry II with Qualitative Analysis 4
- CHM 2210C Organic Chemistry I 4
- CHM 2211C Organic Chemistry II 4
- MAC 2311 Analytic Geometry and Calculus I** 5
- MAC 2312 Analytic Geometry and Calculus II 5
- MAC 2313 Analytic Geometry and Calculus III 4
- PHY 2048C Physics with Calculus I** 4
- PHY 2049C Physics with Calculus II 4

Total Credits: 60.00

** Denotes that a class is a State of Florida General Education Core Course.

AA, Civil Engineering Prerequisite Courses for the Major

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.
**Associate in Arts**

**Subplan Code: ENG-CIVL**  **CIP: 1192401010**

**Program Description**

The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

**Sample Courses**

Completion of the A.A. General degree to include the following prerequisite courses for the major:

- **CHM 2045C** General Chemistry I**  **4**
- **MAC 2311** Analytic Geometry and Calculus I**  **5**
- **MAC 2312** Analytic Geometry and Calculus II  **5**
- **MAC 2313** Analytic Geometry and Calculus III  **4**
- **MAP 2302** Elementary Differential Equations  **3**
- **PHY 2048C** Physics with Calculus I**  **4**
- **PHY 2049C** Physics with Calculus II  **4**

**Recommended**

- **SUR 2101C** Surveying  **4**

**Total Credits:**  **60.00**

**Denotes that a class is a State of Florida General Education Core Course.**

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**AA, Clinical Science Prerequisite Courses for the Major**

**Associate in Arts**

**Subplan Code: HLT-CLINIC**  **CIP: 1192401010**

**Program Description**

The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

**Sample Courses**

Completion of the A.A. General degree to include the following prerequisite courses for the major:

- **HIM 1442** Pharmacology and Lab Medicine  **3**
- **HIM 1453** Anatomy and Physiology  **3**
- **BSC 2093C & BSC 2094C, or BSC 1085C & BSC 1086C, or BSC 1020 or EMS 2010** may substitute for HIM 1453.
- **HSC 1000** Introduction to Health Care  **3**
HSC 1531  Medical Terminology         3
HSC 2400  First Aid and CPR            3
HUN 1201  The Principles of Nutrition  3

or

HUN 2202  Human Nutrition and Diet Therapy  3

Recommended

STA 2023  Statistical Methods I**       3

Total Credits:  60.00

** Denotes that a class is a State of Florida General Education Core Course.

AA, Communication Sciences and Disorders
Prerequisite Courses for the Major
Associate in Arts
Subplan Code: COMSC-AA  CIP: 1192401010

Program Description

The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses

Completion of the A.A. General degree to include the following prerequisite courses for the major:

BSC 1005  Concepts of Biology**         3
PHY 1020  Conceptual Physics**          3
PSY 2012  General Psychology**          3
STA 2023  Statistical Methods I**       3

Total Credits:  60.00

** Denotes that a class is a State of Florida General Education Core Course.

AA, Computer Engineering Prerequisite Courses for the Major
Associate in Arts
Subplan Code: ENG-COMP  CIP: 1192401010

Program Description

The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses
Completion of the A.A. General degree to include the following prerequisite courses for the major:

- ENC 1101 English I** 3
- CHM 2045C General Chemistry I** 4
- MAC 2311 Analytic Geometry and Calculus I** 5
- MAC 2312 Analytic Geometry and Calculus II 5
- MAC 2313 Analytic Geometry and Calculus III 4
- MAP 2302 Elementary Differential Equations 3
- PHY 2048C Physics with Calculus I** 4
- PHY 2049C Physics with Calculus II 4
- COP#### Any COP prefix course

Total Credits: 60.00

** Denotes that a class is a State of Florida General Education Core Course.

AA, Computer Science Prerequisite Courses for the Major

Associate in Arts
Subplan Code: CAS-COMP CIP: 1192401010

Program Description

The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses

Completion of the A.A. General degree to include the following prerequisite courses for the major:

- MAC 2311 Analytic Geometry and Calculus I** 5
- MAC 2312 Analytic Geometry and Calculus II 5
- PHY 2048C Physics with Calculus I** 4
- PHY 2049C Physics with Calculus II 4
- COP#### Any COP prefix course
- ***#### Any science courses for science majors 6

Total Credits: 60.00

** Denotes that a class is a State of Florida General Education Core Course.

AA, Construction Engineering Prerequisite Courses for the Major

Associate in Arts
Subplan Code: ENG-CONS CIP: 1192401010

Program Description

The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must
work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

**Sample Courses**

**Completion of the A.A. General degree to include the following prerequisite courses for the major:**

- CHM 2045C General Chemistry I** 4
- MAC 2311 Analytic Geometry and Calculus I** 5
- MAC 2312 Analytic Geometry and Calculus II 5
- MAC 2313 Analytic Geometry and Calculus III 4
- MAP 2302 Elementary Differential Equations 3
- PHY 2048C Physics with Calculus I** 4
- PHY 2049C Physics with Calculus II 4

**Recommended**

- SUR 2101C Surveying 4

**Total Credits:** 60.00

**Denotes that a class is a State of Florida General Education Core Course.**

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**AA, Construction Prerequisite Courses for the Major**

**Associate in Arts**

**Subplan Code: CONST-AA** CIP: 1192401010

**Program Description**

The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

**Sample Courses**

**Completion of the A.A. General degree to include the following prerequisite courses for the major:**

- BCN 1221 Principles of Building Construction 3
- BCN 2251C Building Construction Documents 3
- BCN 2230 Construction Materials and Methods I 3
- BCN 2721 Construction Scheduling and Planning 3
- BCT 2770 Estimating Fundamentals 3
- CHM 1020 Contemporary Chemistry** 3
- EGN 1111C Engineering Graphics - Drawing 3
- GLY 1000 Introduction to Geology 3
- MTB 1329 Applied Mathematical Concepts for Engineering Technology 3

Recommended courses for students wishing to pursue the B.S. Construction degree at Seminole State:
### AA, Criminal Justice Prerequisite Courses for the Major
**Associate in Arts**
Subplan Code: SOC-CJ CIP: 1192401010

**Program Description**
The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

**Sample Courses**

Completion of the A.A. General degree to include the following prerequisite courses for the major:

- ARH 2050 Art History I 3
- ARH 2051 Art History II 3
- ART 1201C Design Fundamentals I 3
- ART 1300C Drawing I 3
- DIG 2000 Introduction to Digital Media 3
- DIG 2030C Digital Video Fundamentals 3

**Total Credits:** 60.00

**Notes:**
- **Denotes that a class is a State of Florida General Education Core Course.

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### AA, Digital Media Prerequisite Courses for the Major
**Associate in Arts**
Subplan Code: ART-DIG CIP: 1192401010

**Program Description**
The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

**Sample Courses**

Completion of the A.A. General degree to include the following prerequisite courses for the major:

- ARH 2050 Art History I 3
- ARH 2051 Art History II 3
- ART 1201C Design Fundamentals I 3
- ART 1300C Drawing I 3
- DIG 2000 Introduction to Digital Media 3
- DIG 2030C Digital Video Fundamentals 3

**Total Credits:** 60.00

**Notes:**
- **Denotes that a class is a State of Florida General Education Core Course.

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** Denotes that a class is a State of Florida General Education Core Course.

** AA, Early Childhood Education Prerequisite Courses for the Major**

** Associate in Arts**

Subplan Code: EDU-ERLY  CIP: 1192401010

Program Description

The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses

Completion of the A.A. General degree to include the following prerequisite courses for the major:

- **ACG 2021** Principles of Financial Accounting 3
- **ACG 2071** Principles of Managerial Accounting 3
- **ECO 2013** Principles of Economics (MACRO)** 3
- **ECO 2023** Principles of Economics (MICRO) 3

** Total Credits: 60.00 **

AA, Economics - Business Track Prerequisite Courses for the Major

** Associate in Arts**

Subplan Code: ECO-BUS  CIP: 1192401010

Program Description

The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses

Completion of the A.A. General degree to include the following prerequisite courses for the major:

- **ACG 2021** Principles of Financial Accounting 3
- **ACG 2071** Principles of Managerial Accounting 3
- **ECO 2013** Principles of Economics (MACRO)** 3
- **ECO 2023** Principles of Economics (MICRO) 3

** Total Credits: 60.00 **
** Denotes that a class is a State of Florida General Education Core Course.

AA, Electrical Engineering Prerequisite Courses for the Major
Associate in Arts
Subplan Code: ENG-ELEC CIP: 1192401010
Program Description

The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses

Completion of the A.A. General degree to include the following prerequisite courses for the major:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 2045C</td>
<td>General Chemistry I**</td>
<td>4</td>
</tr>
<tr>
<td>MAC 2311</td>
<td>Analytic Geometry and Calculus I**</td>
<td>5</td>
</tr>
<tr>
<td>MAC 2312</td>
<td>Analytic Geometry and Calculus II</td>
<td>5</td>
</tr>
<tr>
<td>MAC 2313</td>
<td>Analytic Geometry and Calculus III</td>
<td>4</td>
</tr>
<tr>
<td>MAP 2302</td>
<td>Elementary Differential Equations</td>
<td>3</td>
</tr>
</tbody>
</table>
** Denotes that a class is a State of Florida General Education Core Course.

### AA, Elementary Education Prerequisite Courses for the Major
** Associate in Arts

Subplan Code: EDU-ELEM  CIP: 1192401010

Program Description

The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses

Completion of the A.A. General degree to include the following prerequisite courses for the major:

- EDF 2005  Introduction to the Teaching Profession  3
- EDF 2085  Introduction to Diversity for Educators  3

** Denotes that a class is a State of Florida General Education Core Course.

### AA, English - Creative Writing Prerequisite Courses for the Major
** Associate in Arts

Subplan Code: ENGCR-AA  CIP: 1192401010

Program Description

The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses

Completion of the A.A. General degree to include the following prerequisite courses for the major:

- ENC 1101  English I**  3
** Denotes that a class is a State of Florida General Education Core Course.

**AA, English - Language Arts Education**

**Prerequisite Courses for the Major**

**Associate in Arts**

**Subplan Code:** EDU-ENGL  CIP: 1192401010

**Program Description**

The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

**Sample Courses**

Completion of the A.A. General degree to include the following prerequisite courses for the major:

- **EDF 2005**  Introduction to the Teaching Profession  3
- **EDF 2085**  Introduction to Diversity for Educators  3

Note: In addition to EDF 2085, a minimum of 6 semester hours with an international or diversity focus is required.

Eligible courses will be determined by the College. Modern Language courses may be used to meet this requirement.

- **EME 2040**  Introduction to Technology for Educators  3
- **ENC 1101**  English I**  3
- **ENC 1102**  English II  3
- **SPC 1608**  Introduction to Oral Communication  3
- **LIT####**  Any LIT prefix course

or

- **AML####**  Any AML prefix course

or

- **ENL####**  Any ENL prefix course

**Total Credits:**  60.00

**AA, English - Literature Prerequisite Courses for the Major**

**Associate in Arts**

**Subplan Code:** ENGLT-AA  CIP: 1192401010

**Program Description**

The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Completion of the A.A. General degree to include the following prerequisite courses for the major:

- **EDF 2005**  Introduction to the Teaching Profession  3
- **EDF 2085**  Introduction to Diversity for Educators  3

Note: In addition to EDF 2085, a minimum of 6 semester hours with an international or diversity focus is required.
Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses

Completion of the A.A. General degree to include the following prerequisite courses for the major:

ENC 1101 English I** 3
ENC 1102 English II 3

Total Credits: 60.00

** Denotes that a class is a State of Florida General Education Core Course.

AA, Environmental Engineering Prerequisite Courses for the Major
Associate in Arts
Subplan Code: ENG-ENVT CIP: 1192401010

Program Description

The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses

Completion of the A.A. General degree to include the following prerequisite courses for the major:

ENC 1101 English I** 3
ENC 1102 English II 3

Total Credits: 60.00

** Denotes that a class is a State of Florida General Education Core Course.
CHM 2045C General Chemistry I**  4
CHM 2046C General Chemistry II with Qualitative Analysis  4
MAC 2311 Analytic Geometry and Calculus I**  5
MAC 2312 Analytic Geometry and Calculus II  5
MAC 2313 Analytic Geometry and Calculus III  4
MAP 2302 Elementary Differential Equations  3
PHY 2048C Physics with Calculus I**  4
PHY 2049C Physics with Calculus II  4

** Denotes that a class is a State of Florida General Education Core Course.

Total Credits:  60.00

Sample Courses

Completion of the A.A. General degree to include the following prerequisite courses for the major:

BSC 2010C General Biology I**  4
BSC 2011C General Biology II  4
CHM 2045C General Chemistry I**  4
MAC 1105 College Algebra**  3
PHY 1020 Conceptual Physics**  3
STA 2023 Statistical Methods I**  3
ECO 2023 Principles of Economics (MICRO)  3
CHM 2046C General Chemistry II with Qualitative Analysis  4
MAC 1114 Trigonometry  3

** Denotes that a class is a State of Florida General Education Core Course.

AA, Environmental Studies Prerequisite Courses for the Major

Associate in Arts

Subplan Code: ENG-EVTH CIP: 1192401010

Program Description

The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website

AA, Event Management Prerequisite Courses for the Major

Associate in Arts

Subplan Code: BUS-EVTM CIP: 1192401010

Program Description

The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida
common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses

Completion of the A.A. General degree to include the following prerequisite courses for the major:

MAC 1105 College Algebra** 3

Three credits required

CGS 2100C Computer Applications 3

STA 2023 Statistical Methods I** 3

Three credits required

ECO 2013 Principles of Economics (MACRO)** 3

ECO 2023 Principles of Economics (MICRO) 3

Three credits required

ANT 2000 General Anthropology** 3

SYG 2000 Introduction to Sociology** 3

PSY 2012 General Psychology** 3

** Denotes that a class is a State of Florida General Education Core Course.

Total Credits: 60.00

AA, Exceptional Student Education Prerequisite Courses for the Major
Associate in Arts
Subplan Code: EDU-SCLE CIP: 1192401010

Program Description

The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses

Completion of the A.A. General degree to include the following prerequisite courses for the major:

EDF 2005 Introduction to the Teaching Profession 3

EDF 2085 Introduction to Diversity for Educators 3

Note: In addition to EDF 2085, a minimum of 6 semester hours with an international or diversity focus is required. Eligible courses will be determined by the College. Modern Language courses may be used to meet this requirement.

EME 2040 Introduction to Technology for Educators 3

Total Credits: 60.00

** Denotes that a class is a State of Florida General Education Core Course.
AA, Finance Prerequisite Courses for the Major
Associate in Arts
Subplan Code: BUS-FIN CIP: 1192401010
Program Description

The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses

Completion of the A.A. General degree to include the following prerequisite courses for the major:

ACG 2021 Principles of Financial Accounting 3
ACG 2071 Principles of Managerial Accounting 3
CGS 2100C Computer Applications 3
ECO 2013 Principles of Economics (MACRO)** 3
ECO 2023 Principles of Economics (MICRO) 3
MAC 2233 Concepts of Calculus 3
STA 2023 Statistical Methods I** 3

Total Credits: 60.00

** Denotes that a class is a State of Florida General Education Core Course.

AA, Forensic Science Prerequisite Courses for the Major
Associate in Arts
Subplan Code: SCI-FNSC CIP: 1192401010
Program Description

The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses

Completion of the A.A. General degree to include the following prerequisite courses for the major:

BSC 2010C General Biology I** 4
CHM 2045C General Chemistry I** 4
CHM 2046C General Chemistry II with Qualitative Analysis 4
MAC 2311 Analytic Geometry and Calculus I** 5
MAC 2312 Analytic Geometry and Calculus II 5
PHY 2048C  Physics with Calculus I**      4
PHY 2049C  Physics with Calculus II      4
STA 2023  Statistical Methods I**        3

Total Credits:  60.00

** Denotes that a class is a State of Florida General Education Core Course.

AA, Health Coaching Prerequisite Courses for the Major
Associate in Arts
Subplan Code: HLT-COACH CIP: 1192401010

Program Description

The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses

Completion of the A.A. General degree to include the following prerequisite courses for the major:

HIM 1442  Pharmacology and Lab Medicine   3
HIM 1453  Anatomy and Physiology          3

BSC 2093C & BSC 2094C, or BSC 1085C & BSC 1086C, or BSC 1020 or EMS 2010, may substitute for HIM 1453.

HSC 1000  Introduction to Health Care      3
HSC 1531  Medical Terminology               3
HSC 2400  First Aid and CPR                  3
HUN 1201  The Principles of Nutrition       3

or

HUN 2202  Human Nutrition and Diet Therapy  3

Recommended

STA 2023  Statistical Methods I**           3

Total Credits:  60.00

** Denotes that a class is a State of Florida General Education Core Course.

AA, Health Informatics and Health Information Management Prerequisite Courses for the Major
Associate in Arts
Subplan Code: HLT-INFO CIP: 1192401010

Program Description

The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

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Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses

Completion of the A.A. General degree to include the following prerequisite courses for the major:

- ACG 2021 Principles of Financial Accounting 3
- ACG 2071 Principles of Managerial Accounting 3
- BSC 2093C Anatomy and Physiology I 4
- BSC 2094C Anatomy and Physiology II 4
- CGS### Any CGS prefix course
- STA### Any STA prefix course

** Denotes that a class is a State of Florida General Education Core Course.

Total Credits: 60.00

AA, Health Sciences - Pre-Clinical Allied Health Track Prerequisite Courses for the Major

Subplan Code: HLT-PRCLIN CIP: 1192401010

Program Description

The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses

Completion of the A.A. General degree to include the following prerequisite courses for the major:

- BSC 2010C General Biology I** 4
- BSC 2093C Anatomy and Physiology I 4
- BSC 2094C Anatomy and Physiology II 4
- CHM 2045C General Chemistry I** 4
- CHM 2046C General Chemistry II with Qualitative Analysis 4
- DEP 2004 Developmental Psychology 3
- MAC 1114 Trigonometry 3
- PHY 2048C Physics with Calculus I** 4
- PHY 2049C Physics with Calculus II 4
- PSY 2012 General Psychology** 3
- STA 2023 Statistical Methods I** 3

Choose 1 course from the following list:

** Denotes that a class is a State of Florida General Education Core Course.

Total Credits: 60.00

AA, Health Services Administration Prerequisite Courses for the Major
**Associate in Arts**

**Subplan Code: HLT-HSA**  CIP: 1192401010  
**Program Description**

The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

**Sample Courses**

Completion of the A.A. General degree to include the following prerequisite courses for the major:

- ACG 2021  Principles of Financial Accounting  3
- ACG 2071  Principles of Managerial Accounting  3
- CGS 1060C  Introduction to Computers  3
- ECO 2023  Principles of Economics (MICRO)  3
- STA 2023  Statistical Methods I**  3

**Total Credits:**  60.00

**AA, Healthcare Management & Professional Services Prerequisite Courses for the Major**

- HIM 1442  Pharmacology and Lab Medicine  3
- HIM 1453  Anatomy and Physiology  3
- BSC 2093C & BSC 2094C, or BSC 1085C & BSC 1086C, or BSC 1020 or EMS 2010, may substitute for HIM 1453.
- HSC 1000  Introduction to Health Care  3
- HSC 1531  Medical Terminology  3
- HSC 2400  First Aid and CPR  3
- HUN 1201  The Principles of Nutrition  3

or

---

**Associate in Arts**

**Subplan Code: HLT-HCMGT**  CIP: 1192401010

**Program Description**

The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

**Sample Courses**

Completion of the A.A. General degree to include the following prerequisite courses for the major:

- HIM 1442  Pharmacology and Lab Medicine  3
- HIM 1453  Anatomy and Physiology  3
- BSC 2093C & BSC 2094C, or BSC 1085C & BSC 1086C, or BSC 1020 or EMS 2010, may substitute for HIM 1453.
- HSC 1000  Introduction to Health Care  3
- HSC 1531  Medical Terminology  3
- HSC 2400  First Aid and CPR  3
- HUN 1201  The Principles of Nutrition  3

---
** Denotes that a class is a State of Florida General Education Core Course.

### AA, History Prerequisite Courses for the Major
** Associate in Arts

** Subplan Code: HIS-HIST ** CIP: 1192401010

** Program Description

The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the [FloridaShines website](http://www.FLV.C.org) for more information on their transfer program of choice.

** Sample Courses

Completion of the A.A. General degree to include the following prerequisite courses for the major:

- AMH 2010 United States History to 1865 3
- AMH 2020 United States History 1865 to Present** 3
- EUH 2000 Western Civilization to 1600 3
- EUH 2001 Western Civilization 1600 to Present 3
- MGF 1106 College Mathematics** 3
- MGF 1107 Liberal Arts Mathematics** 3

** Total Credits: 60.00

** Denotes that a class is a State of Florida General Education Core Course.

### AA, Honors Diploma Program
** Associate in Arts

** Subplan Code: HONOR-AA ** CIP: 1192401010

** Program Description

The Honors Diploma Program is an advanced and specialized curriculum of faculty-created courses used as alternatives to the General Education requirements. With its own faculty, courses, scholarships, small class sizes, personalized advising and priority registration, the Honors Diploma Program is highly regarded among four-year colleges that often offer its graduates generous scholarships. The Honors Diploma Program is one of five tracks available in The Art & Phyllis Grindle Honors Institute.

Honors courses may be combined with other prerequisite courses for many majors. Honors students complete a minimum of 20 credits in Honors courses to graduate with an Honors Diploma.

The Honors Diploma Program is a restricted-access program. Candidates must:

- Apply and be accepted to Seminole State College;
- Provide official transcripts indicating successful completion of a standard high school diploma or equivalent;
- Have a high school GPA of 3.2 or have earned a 3.2 GPA in a minimum of six credit hours of college credit classes;
- Have a score of at least 23 on the ACT, or 95 on the CPT Reading Test and 75 on the CPT Math Test, or 1050 on the SAT or 1050 on math and writing or
reading on the new SAT, or 116 on the PERT Reading and Writing Test and 113 on the PERT Math Test.

- Submit an application to the Honors Program;
- Submit two letters of recommendation;
- Schedule an interview with the Honors Coordinator;
- Complete an on-site writing sample.

**Required Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>IDH 1920</td>
<td>Introduction to Honors</td>
<td>1</td>
</tr>
</tbody>
</table>

**Choose One**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>IDH 2001</td>
<td>Honors Seminar</td>
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<td>IDH 2002</td>
<td>Honors Seminar II</td>
<td>1</td>
</tr>
<tr>
<td>IDH 2003</td>
<td>Honors Seminar III</td>
<td>3</td>
</tr>
</tbody>
</table>

**Elective Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>IDH 2905</td>
<td>Directed Studies in Honors</td>
<td>3</td>
</tr>
<tr>
<td>IDH 2930</td>
<td>Selected Studies in Interdisciplinary Honors</td>
<td>3</td>
</tr>
<tr>
<td>IDH 2931</td>
<td>Selected Studies in Interdisciplinary Honors</td>
<td>1</td>
</tr>
<tr>
<td>IDH 2950</td>
<td>Travel Study in Honors</td>
<td>3</td>
</tr>
<tr>
<td>PAZ 1003H</td>
<td>Introduction to Zoo Science</td>
<td>3</td>
</tr>
<tr>
<td>PAZ 2943H</td>
<td>Cooperative Education Internship in Parks and Zoos</td>
<td>1</td>
</tr>
<tr>
<td>PAZ 2944H</td>
<td>Cooperative Education Internship in Parks and Zoos</td>
<td>2</td>
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<tr>
<td>PAZ 2945H</td>
<td>Cooperative Education Internship in Parks and Zoos</td>
<td>3</td>
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**General Education Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ENC 1101H</td>
<td>Honors English I**</td>
<td>3</td>
</tr>
<tr>
<td>ENC 1102H</td>
<td>Honors English II</td>
<td>3</td>
</tr>
<tr>
<td>IDH 2106</td>
<td>Honors Oratory: Speech, Argumentation and Debate</td>
<td>3</td>
</tr>
<tr>
<td>SPC 1608H</td>
<td>Honors Introduction to Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td>Note: 20 credits must be in Honors courses to receive an Honors Diploma. Please refer to general education requirements in the catalog for specific degree requirements.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Communications General Education Honors Options**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101H</td>
<td>Honors English I**</td>
<td>3</td>
</tr>
<tr>
<td>ENC 1102H</td>
<td>Honors English II</td>
<td>3</td>
</tr>
<tr>
<td>IDH 2106</td>
<td>Honors Oratory: Speech, Argumentation and Debate</td>
<td>3</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>IDH 2106</td>
<td>Honors Oratory: Speech, Argumentation and Debate</td>
<td>3</td>
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</tbody>
</table>

**Humanities General Education Honors Options**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HUM 2022H</td>
<td>Honors Liberal Arts Humanities</td>
<td>3</td>
</tr>
<tr>
<td>HUM 2250H</td>
<td>Honors 20th/21st Century Humanities</td>
<td>3</td>
</tr>
<tr>
<td>HUM 2322H</td>
<td>Honors Women, Gender and Culture</td>
<td>3</td>
</tr>
<tr>
<td>HUM 2410H</td>
<td>Honors Asian Humanities</td>
<td>3</td>
</tr>
<tr>
<td>HUM 2454H</td>
<td>Honors African American Humanities</td>
<td>3</td>
</tr>
<tr>
<td>HUM 2461H</td>
<td>Honors Latin American Humanities</td>
<td>3</td>
</tr>
<tr>
<td>HUM 2930H</td>
<td>Honors Selected Studies in Humanities</td>
<td>3</td>
</tr>
<tr>
<td>IDH 1104</td>
<td>Honors Arts and Culture</td>
<td>3</td>
</tr>
<tr>
<td>IDH 2102</td>
<td>Honors Arts and Ideas</td>
<td>3</td>
</tr>
<tr>
<td>LIT 2090H</td>
<td>Honors Contemporary Literature</td>
<td>3</td>
</tr>
<tr>
<td>LIT 2120H</td>
<td>Honors World Literature II</td>
<td>3</td>
</tr>
<tr>
<td>PHI 2010H</td>
<td>Honors Intro to Philosophy I**</td>
<td>3</td>
</tr>
</tbody>
</table>
Social Science General Education Honors Options  
Note: Courses must be from 2 areas  
CBH 1021H Comparative Psychology & Animal Behavior 3  
ECO 2013H Honors Principles of Economics (MACRO)** 3  
ECO 2023H Honors Principles of Economics (MICRO) 3  
INR 2002H Honors International Relations 3  
POT 2002H Honors - Political Theory 3  
SYG 2000H Honors Introduction to Sociology** 3  
SYG 2110H Honors Introduction to Social Research 3  
PSY 2012H General Psychology Honors** 3  

History General Education Honors Options 3  
AMH 2010H Honors United States History to 1865 3  
AMH 2020H Honors United States History 1865 to Present** 3  
AMH 2035H Honors The United States 1945 to Present 3  
AMH 2090H Honors United States Women's History 3  
AMH 2095H Honors Native American History 3  
IDH 1613 Honors Ancient History 3  
WOH 2232H Honors Survey of Early Christianity 3  

Science General Education Honors Options 6  
Note: Courses must be from 2 areas  
BSC 1050H Honors Biology and Environment 3  
CHM 1020H Honors Contemporary Chemistry** 3  
CHM 2045CH Honors General Chemistry** 4  
PHY 2049CH Honors Physics with Calculus II 4  
CHM 2046CH Honors General Chemistry II with Qualitative Analysis 4  
PHY 2048CH Honors Physics with Calculus I** 4  
OCE 1001CH Honors Introduction to Oceanography with Lab 4  

Total Credits: 60.00  

** Denotes that a class is a State of Florida General Education Core Course.

AA, Hospitality Management Prerequisite Courses for the Major  
Associate in Arts  
Subplan Code: BUS-HOSP CIP: 1192401010  

Program Description  
The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice. The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or...
specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses

Completion of the A.A. General degree to include the following prerequisite courses for the major:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101</td>
<td>English I**</td>
<td>3</td>
</tr>
<tr>
<td>ENC 1102</td>
<td>English II</td>
<td>3</td>
</tr>
<tr>
<td>MAC 1105</td>
<td>College Algebra**</td>
<td>3</td>
</tr>
<tr>
<td>SPC 1608</td>
<td>Introduction to Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td>STA 2023</td>
<td>Statistical Methods I**</td>
<td>3</td>
</tr>
</tbody>
</table>

Elective Courses

Recommended:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>APA 1111C</td>
<td>Office Accounting I</td>
<td>3</td>
</tr>
<tr>
<td>CGS 2100C</td>
<td>Computer Applications</td>
<td>3</td>
</tr>
<tr>
<td>History General Education course</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Humanities General Education courses</td>
<td></td>
<td>6</td>
</tr>
<tr>
<td>Must be from 2 areas (3 credits from Area A Humanities)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Science General Education courses</td>
<td></td>
<td>6</td>
</tr>
<tr>
<td>Must be from 2 areas (Areas A-C Science)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Social Science General Education courses</td>
<td></td>
<td>6</td>
</tr>
</tbody>
</table>

Recommended:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 2000</td>
<td>General Anthropology**</td>
<td>3</td>
</tr>
</tbody>
</table>

** Denotes that a class is a State of Florida General Education Core Course.

Total Credits: 60.00

AA, Human Communication Prerequisite Courses for the Major

Associate in Arts

Subplan Code: COM-HUMN  CIP: 1192401010

Program Description

The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses

Completion of the A.A. General degree to include the following prerequisite courses for the major:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 2013</td>
<td>Principles of Economics (MACRO)**</td>
<td>3</td>
</tr>
<tr>
<td>ECO 2023</td>
<td>Principles of Economics (MICRO)</td>
<td>3</td>
</tr>
<tr>
<td>PSY 2012</td>
<td>General Psychology**</td>
<td>3</td>
</tr>
<tr>
<td>SYG 2000</td>
<td>Introduction to Sociology**</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credits: 60

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Sample Courses

Completion of the A.A. General degree to include the following prerequisite courses for the major:

No common prerequisite courses required.

Total Credits:  60.00

** Denotes that a class is a State of Florida General Education Core Course.

AA, Industrial Engineering Prerequisite Courses for the Major
Associate in Arts
Subplan Code: ENG-IND  CIP: 1192401010

Program Description

The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses

Completion of the A.A. General degree to include the following prerequisite courses for the major:

CHM 2045C General Chemistry I**  4
Completion of the A.A. General degree to include the following prerequisite courses for the major:

- CET 1178C Network Computer Maintenance and Repair (A+), 3 credits
- CET 1179 Network Concepts and Operating Systems, 3 credits
- CET 1600C Cisco Networking Fundamentals (Net+), 3 credits
- CGS 2545C Database Management, 3 credits
- COP 1000 Principles of Computer Programming, 3 credits
- ENC 1101 English I**, 3 credits
- ENC 1102 English II, 3 credits
- MAC 1105 College Algebra**, 3 credits
- or higher level mathematics course
- SPC 1608 Introduction to Oral Communication, 3 credits
- STA 2023 Statistical Methods I**, 3 credits

Choose 4 credits from the following list:

- CTS 1162 Configuring Windows Vista Client (70-620 exam/MCTS), 4 credits
- CTS 1163C Configuring Windows 7 Client (70-680 exam/MCITP), 4 credits
- CTS 1300 Supporting Windows XP Professional (70-270 exam/MCSE), 4 credits
- CTS 1327C Configuring Windows 8 (70-687 exam/MCSA), 4 credits
- CTS 1168C Configuring Windows Devices (70-697 exam), 4 credits

Choose 3 credits from the following list:

- CET 1178C Network Computer Maintenance and Repair (A+), 3 credits
- CET 1179 Network Concepts and Operating Systems, 3 credits
- CET 1600C Cisco Networking Fundamentals (Net+), 3 credits
- CGS 2545C Database Management, 3 credits
- COP 1000 Principles of Computer Programming, 3 credits
- ENC 1101 English I**, 3 credits
- ENC 1102 English II, 3 credits
- MAC 1105 College Algebra**, 3 credits
- or higher level mathematics course
- SPC 1608 Introduction to Oral Communication, 3 credits
- STA 2023 Statistical Methods I**, 3 credits

Sample Courses

Completion of the A.A. General degree to include the following prerequisite courses for the major:

- CET 1178C Network Computer Maintenance and Repair (A+), 3 credits
- CET 1179 Network Concepts and Operating Systems, 3 credits
- CET 1600C Cisco Networking Fundamentals (Net+), 3 credits
- CGS 2545C Database Management, 3 credits
- COP 1000 Principles of Computer Programming, 3 credits
- ENC 1101 English I**, 3 credits
- ENC 1102 English II, 3 credits
- MAC 1105 College Algebra**, 3 credits
- or higher level mathematics course
- SPC 1608 Introduction to Oral Communication, 3 credits
- STA 2023 Statistical Methods I**, 3 credits

Choose 4 credits from the following list:

- CTS 1162 Configuring Windows Vista Client (70-620 exam/MCTS), 4 credits
- CTS 1163C Configuring Windows 7 Client (70-680 exam/MCITP), 4 credits
- CTS 1300 Supporting Windows XP Professional (70-270 exam/MCSE), 4 credits
- CTS 1327C Configuring Windows 8 (70-687 exam/MCSA), 4 credits
- CTS 1168C Configuring Windows Devices (70-697 exam), 4 credits

Choose 3 credits from the following list:

- CET 1178C Network Computer Maintenance and Repair (A+), 3 credits
- CET 1179 Network Concepts and Operating Systems, 3 credits
- CET 1600C Cisco Networking Fundamentals (Net+), 3 credits
- CGS 2545C Database Management, 3 credits
- COP 1000 Principles of Computer Programming, 3 credits
- ENC 1101 English I**, 3 credits
- ENC 1102 English II, 3 credits
- MAC 1105 College Algebra**, 3 credits
- or higher level mathematics course
- SPC 1608 Introduction to Oral Communication, 3 credits
- STA 2023 Statistical Methods I**, 3 credits

Sample Courses

Completion of the A.A. General degree to include the following prerequisite courses for the major:

- CET 1178C Network Computer Maintenance and Repair (A+), 3 credits
- CET 1179 Network Concepts and Operating Systems, 3 credits
- CET 1600C Cisco Networking Fundamentals (Net+), 3 credits
- CGS 2545C Database Management, 3 credits
- COP 1000 Principles of Computer Programming, 3 credits
- ENC 1101 English I**, 3 credits
- ENC 1102 English II, 3 credits
- MAC 1105 College Algebra**, 3 credits
- or higher level mathematics course
- SPC 1608 Introduction to Oral Communication, 3 credits
- STA 2023 Statistical Methods I**, 3 credits

Choose 4 credits from the following list:

- CTS 1162 Configuring Windows Vista Client (70-620 exam/MCTS), 4 credits
- CTS 1163C Configuring Windows 7 Client (70-680 exam/MCITP), 4 credits
- CTS 1300 Supporting Windows XP Professional (70-270 exam/MCSE), 4 credits
- CTS 1327C Configuring Windows 8 (70-687 exam/MCSA), 4 credits
- CTS 1168C Configuring Windows Devices (70-697 exam), 4 credits

Choose 3 credits from the following list:

- CET 1178C Network Computer Maintenance and Repair (A+), 3 credits
- CET 1179 Network Concepts and Operating Systems, 3 credits
- CET 1600C Cisco Networking Fundamentals (Net+), 3 credits
- CGS 2545C Database Management, 3 credits
- COP 1000 Principles of Computer Programming, 3 credits
- ENC 1101 English I**, 3 credits
- ENC 1102 English II, 3 credits
- MAC 1105 College Algebra**, 3 credits
- or higher level mathematics course
- SPC 1608 Introduction to Oral Communication, 3 credits
- STA 2023 Statistical Methods I**, 3 credits

Sample Courses

Completion of the A.A. General degree to include the following prerequisite courses for the major:

- CET 1178C Network Computer Maintenance and Repair (A+), 3 credits
- CET 1179 Network Concepts and Operating Systems, 3 credits
- CET 1600C Cisco Networking Fundamentals (Net+), 3 credits
- CGS 2545C Database Management, 3 credits
- COP 1000 Principles of Computer Programming, 3 credits
- ENC 1101 English I**, 3 credits
- ENC 1102 English II, 3 credits
- MAC 1105 College Algebra**, 3 credits
- or higher level mathematics course
- SPC 1608 Introduction to Oral Communication, 3 credits
- STA 2023 Statistical Methods I**, 3 credits

Choose 4 credits from the following list:

- CTS 1162 Configuring Windows Vista Client (70-620 exam/MCTS), 4 credits
- CTS 1163C Configuring Windows 7 Client (70-680 exam/MCITP), 4 credits
- CTS 1300 Supporting Windows XP Professional (70-270 exam/MCSE), 4 credits
- CTS 1327C Configuring Windows 8 (70-687 exam/MCSA), 4 credits
- CTS 1168C Configuring Windows Devices (70-697 exam), 4 credits

Choose 3 credits from the following list:

- CET 1178C Network Computer Maintenance and Repair (A+), 3 credits
- CET 1179 Network Concepts and Operating Systems, 3 credits
- CET 1600C Cisco Networking Fundamentals (Net+), 3 credits
- CGS 2545C Database Management, 3 credits
- COP 1000 Principles of Computer Programming, 3 credits
- ENC 1101 English I**, 3 credits
- ENC 1102 English II, 3 credits
AA, Information Technology Prerequisite Courses for the Major
Associate in Arts
Subplan Code: CMP-INFO CIP: 1192401010
Program Description
The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Completion of the A.A. General degree to include the following prerequisite courses for the major:

- **ECO 2013 Principles of Economics (MACRO)** 3
- **MAC 1114 Trigonometry** 3
- **PSY 2012 General Psychology** 3
- **STA 2023 Statistical Methods I** 3

** Denotes that a class is a State of Florida General Education Core Course.

CGS#### Any CGS prefix course
COP#### Any COP prefix course
### Discrete Mathematics course, object oriented computer-programming course, computer programming and pre-calculus courses

**PHY#### Any PHY prefix course

Total Credits: 60.00

** Denotes that a class is a State of Florida General Education Core Course.

AA, International and Global Studies Prerequisite Courses for the Major
Associate in Arts
Subplan Code: INTL-GLS CIP: 1192401010
Program Description
The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Completion of the A.A. General degree to include the following prerequisite courses for the major:

- **ECO 2013 Principles of Economics (MACRO)** 3

Sample Courses

- **ECO 2013 Principles of Economics (MACRO)** 3
AA, Journalism Prerequisite Courses for the Major

Associate in Arts
Subplan Code: COM-JOUR CIP: 1192401010

Program Description

The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice. The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Sample Courses

Completion of the A.A. General degree to include the following prerequisite courses for the major:

SPC 1608 Introduction to Oral Communication 3

Recommended

** Denotes that a class is a State of Florida General Education Core Course.

AA, Management Prerequisite Courses for the Major

Associate in Arts
Subplan Code: MGT-AA CIP: 1192401010

Program Description

The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice. The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Sample Courses

AMH 2010 United States History to 1865 3
AMH 2020 United States History 1865 to Present** 3
JOU 1100 Journalism I 3
JOU 1200 Newspaper Editing 3
POS 2041 United States Federal Government** 3
POS 2112 State and Local Government 3

Total Credits: 60.00

** Denotes that a class is a State of Florida General Education Core Course.
Completion of the A.A. General degree to include the following prerequisite courses for the major:

- ACG 2021 Principles of Financial Accounting 3
- ACG 2071 Principles of Managerial Accounting 3
- CGS 2100C Computer Applications 3
- ECO 2013 Principles of Economics (MACRO)** 3
- ECO 2023 Principles of Economics (MICRO) 3
- MAC 2233 Concepts of Calculus 3
- STA 2023 Statistical Methods I** 3

Total Credits: 60.00

** Denotes that a class is a State of Florida General Education Core Course.

Sample Courses

Completion of the A.A. General degree to include the following prerequisite courses for the major:

- BSC 2010C General Biology I** 4
- BSC 2011C General Biology II 4
- CHM 2045C General Chemistry I** 4
- CHM 2046C General Chemistry II with Qualitative Analysis 4
- CHM 2210C Organic Chemistry I 4
- CHM 2211C Organic Chemistry II 4
- MAC 2311 Analytic Geometry and Calculus I** 5
- MAC 2312 Analytic Geometry and Calculus II 5

Choose 1 Physics group:

- PHY 1053C General Physics I** 4
  and
- PHY 1054L General Physics Laboratory 1
  or
- PHY 2048C Physics with Calculus I** 4
  and
- PHY 2049C Physics with Calculus II 4

Total Credits: 60.00

** Denotes that a class is a State of Florida General Education Core Course.

AA, Marine Biology Prerequisite Courses for the Major

Associate in Arts
Subplan Code: SCI-MBIO CIP: 1192401010

Program Description

The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website
AA, Marketing Prerequisite Courses for the Major
Associate in Arts
Subplan Code: MARK-AA CIP: 1192401010
Program Description

The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses

Completion of the A.A. General degree to include the following prerequisite courses for the major:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACG 2021</td>
<td>Principles of Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ACG 2071</td>
<td>Principles of Managerial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>CGS 2100C</td>
<td>Computer Applications</td>
<td>3</td>
</tr>
<tr>
<td>ECO 2013</td>
<td>Principles of Economics (MACRO)**</td>
<td>3</td>
</tr>
<tr>
<td>ECO 2023</td>
<td>Principles of Economics (MICRO)</td>
<td>3</td>
</tr>
<tr>
<td>MAC 2233</td>
<td>Concepts of Calculus</td>
<td>3</td>
</tr>
<tr>
<td>STA 2023</td>
<td>Statistical Methods I**</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credits: 60.00

** Denotes that a class is a State of Florida General Education Core Course.

AA, Mathematics Education Prerequisite Courses for the Major
Associate in Arts
Subplan Code: EDU-MATH CIP: 1192401010
Program Description

The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses

Completion of the A.A. General degree to include the following prerequisite courses for the major:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 2005</td>
<td>Introduction to the Teaching Profession</td>
<td>3</td>
</tr>
<tr>
<td>EDF 2085</td>
<td>Introduction to Diversity for Educators</td>
<td>3</td>
</tr>
</tbody>
</table>

Note: In addition to EDF 2085, a minimum of 6 semester hours with an international or diversity focus is required. Eligible courses will be determined by the College. Modern Language courses may be used to meet this requirement.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EME 2040</td>
<td>Introduction to Technology for Educators</td>
<td>3</td>
</tr>
</tbody>
</table>
### AA, Mathematics Prerequisite Courses for the Major

**Associate in Arts**  
Subplan Code: MAT-MATH  
CIP: 1192401010  

**Program Description**  
The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the [FloridaShines website (previously FLVC.org)](http://www.florida.shines.org) for more information on their transfer program of choice.

**Sample Courses**  
Completion of the A.A. General degree to include the following prerequisite courses for the major:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>COP 1000</td>
<td>Principles of Computer Programming</td>
<td>3</td>
</tr>
<tr>
<td>MAC 2311</td>
<td>Analytic Geometry and Calculus I**</td>
<td>5</td>
</tr>
<tr>
<td>MAC 2312</td>
<td>Analytic Geometry and Calculus II</td>
<td>5</td>
</tr>
<tr>
<td>MAC 2313</td>
<td>Analytic Geometry and Calculus III</td>
<td>4</td>
</tr>
<tr>
<td>MAP 2302</td>
<td>Elementary Differential Equations</td>
<td>3</td>
</tr>
<tr>
<td>PHY 2048C</td>
<td>Physics with Calculus I**</td>
<td>4</td>
</tr>
<tr>
<td>PHY 2049C</td>
<td>Physics with Calculus II</td>
<td>4</td>
</tr>
</tbody>
</table>

**Total Credits:** 60.00

**Denotes that a class is a State of Florida General Education Core Course.**

### AA, Mechanical Engineering Prerequisite Courses for the Major

**Associate in Arts**  
Subplan Code: ENG-MECH  
CIP: 1192401010  

**Program Description**  
The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the [FloridaShines website (previously FLVC.org)](http://www.florida.shines.org) for more information on their transfer program of choice.

**Sample Courses**  
Completion of the A.A. General degree to include the following prerequisite courses for the major:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>COP 1000</td>
<td>Principles of Computer Programming</td>
<td>3</td>
</tr>
<tr>
<td>MAC 1147</td>
<td>Precalculus Algebra/Trigonometry</td>
<td>5</td>
</tr>
<tr>
<td>MAC 2311</td>
<td>Analytic Geometry and Calculus I**</td>
<td>5</td>
</tr>
<tr>
<td>MAC 2312</td>
<td>Analytic Geometry and Calculus II</td>
<td>5</td>
</tr>
<tr>
<td>MAC 2313</td>
<td>Analytic Geometry and Calculus III</td>
<td>4</td>
</tr>
<tr>
<td>MAP 2302</td>
<td>Elementary Differential Equations</td>
<td>3</td>
</tr>
<tr>
<td>PHY 2048C</td>
<td>Physics with Calculus I**</td>
<td>4</td>
</tr>
<tr>
<td>PHY 2049C</td>
<td>Physics with Calculus II</td>
<td>4</td>
</tr>
</tbody>
</table>

**Total Credits:** 60.00

**Denotes that a class is a State of Florida General Education Core Course.**
Completion of the A.A. General degree to include the following prerequisite courses for the major:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 2045C</td>
<td>General Chemistry I**</td>
<td>4</td>
</tr>
<tr>
<td>MAC 2311</td>
<td>Analytic Geometry and Calculus I**</td>
<td>5</td>
</tr>
<tr>
<td>MAC 2312</td>
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</tr>
</tbody>
</table>

** Total Credits: 60.00 **

** Denotes that a class is a State of Florida General Education Core Course.

Sample Courses

Completion of the A.A. General degree to include the following prerequisite courses for the major:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSC 2010C</td>
<td>General Biology I**</td>
<td>4</td>
</tr>
<tr>
<td>BSC 2093C</td>
<td>Anatomy and Physiology I</td>
<td>4</td>
</tr>
<tr>
<td>BSC 2094C</td>
<td>Anatomy and Physiology II</td>
<td>4</td>
</tr>
<tr>
<td>CHM 2045C</td>
<td>General Chemistry I**</td>
<td>4</td>
</tr>
<tr>
<td>CHM 2046C</td>
<td>General Chemistry II with Qualitative Analysis</td>
<td>4</td>
</tr>
<tr>
<td>BSC 2093C</td>
<td>Anatomy and Physiology II</td>
<td>4</td>
</tr>
<tr>
<td>MCB 2010C</td>
<td>Microbiology</td>
<td>4</td>
</tr>
<tr>
<td>STA 2023</td>
<td>Statistical Methods I**</td>
<td>3</td>
</tr>
</tbody>
</table>

** Total Credits: 60.00 **

** Denotes that a class is a State of Florida General Education Core Course.

AA, Medical Laboratory Sciences Prerequisite Courses for the Major
Associate in Arts
Subplan Code: HLT-MDTC  CIP: 1192401010
Program Description

The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website.

AA, Meteorology Prerequisite Courses for the Major
Associate in Arts
Subplan Code: SCI-MET  CIP: 1192401010
Program Description

The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida
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Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

**Sample Courses**

**Completion of the A.A. General degree to include the following prerequisite courses for the major:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 2045C</td>
<td>General Chemistry I**</td>
<td>4</td>
</tr>
<tr>
<td>MAC 2311</td>
<td>Analytic Geometry and Calculus I**</td>
<td>5</td>
</tr>
<tr>
<td>MAC 2312</td>
<td>Analytic Geometry and Calculus II</td>
<td>5</td>
</tr>
<tr>
<td>PHY 2048C</td>
<td>Physics with Calculus I**</td>
<td>4</td>
</tr>
<tr>
<td>PHY 2049C</td>
<td>Physics with Calculus II</td>
<td>4</td>
</tr>
</tbody>
</table>

**Total Credits:** 60.00

** Denotes that a class is a State of Florida General Education Core Course.

**AA, Music Education Prerequisite Courses for the Major**

**Associate in Arts**

**Subplan Code:** EDU-MUS  CIP: 1192401010

**Program Description**

The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

**Sample Courses**

**Completion of the A.A. General degree to include the following prerequisite courses for the major:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 2005</td>
<td>Introduction to the Teaching Profession</td>
<td>3</td>
</tr>
<tr>
<td>EDF 2085</td>
<td>Introduction to Diversity for Educators</td>
<td>3</td>
</tr>
</tbody>
</table>

Note: In addition to EDF 2085, a minimum of 6 semester hours with an international or diversity focus is required. Eligible courses will be determined by the College. Modern Language courses may be used to meet this requirement.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EME 2040</td>
<td>Introduction to Technology for Educators</td>
<td>3</td>
</tr>
<tr>
<td>MUN####</td>
<td>Any MUN prefix courses</td>
<td></td>
</tr>
<tr>
<td>MVx####</td>
<td>Private Lesson Courses</td>
<td></td>
</tr>
</tbody>
</table>

**Total Credits:** 60.00

** Denotes that a class is a State of Florida General Education Core Course.

**AA, Music Prerequisite Courses for the Major**

**Associate in Arts**

**Subplan Code:** MUS-MUSC  CIP: 1192401010

**Program Description**

The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will
complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Recommended

Completion of the A.A. General degree to include the following prerequisite courses for the major:

- MUL 2014 Introduction to Music History and Literature 3
- MUT 1121 Music Theory and Musicianship I 3
- MUT 1122 Music Theory and Musicianship II 3
- MUT 2126 Music Theory and Musicianship III 3
- MUT 2127 Music Theory and Musicianship IV 3
- MVK 1111N Class Piano I 1
- MVK 1112M Class Piano II 1
- MVK 2121M Class Piano III 1
- MVK 2122M Class Piano IV 1

Exception - Piano Majors are not required to take the Piano sequence.

Four semesters of private lessons based on your primary instrument of study. Private Applied Lessons require departmental approval:

- MVx#### Private Applied Lesson I
- MVx#### Private Applied Lesson II
- MVx#### Private Applied Lesson III
- MVx#### Private Applied Lesson IV

Four semesters of MUN #### ensemble based on your instrument of study:

- Voice Majors:
  - MUN 1310N Seminole Concert Chorale 1

- Guitar Majors:
  - MUN 2480 Guitar Ensemble 1

- Brass/Wind Majors:
  - MUN 1180M Symphonic Band 1

- Piano/Keyboard Majors:
  - MUN#### May select from any of the College’s performing ensembles (4 semesters)
  - Total Credits: 60.00

** Denotes that a class is a State of Florida General Education Core Course.

AA, Musical Theatre Prerequisite Courses for the Major

Associate in Arts

Subplan Code: MUS-THTR CIP: 1192401010

Program Description

The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida
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Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses

Completion of the A.A. General degree to include the following prerequisite courses for the major:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>STA 2023</td>
<td>Statistical Methods I**</td>
<td>3</td>
</tr>
<tr>
<td>THE 1020</td>
<td>Theatre Survey</td>
<td>3</td>
</tr>
<tr>
<td>THE 1304</td>
<td>Script Analysis</td>
<td>3</td>
</tr>
<tr>
<td>THE 2925</td>
<td>Theatre Production and Performance</td>
<td>1</td>
</tr>
<tr>
<td>TPA 2201</td>
<td>Technical Theatre Production</td>
<td>2</td>
</tr>
<tr>
<td>TPA 2201L</td>
<td>Technical Theatre Production Lab</td>
<td>1</td>
</tr>
<tr>
<td>TPP 1100</td>
<td>Acting I</td>
<td>3</td>
</tr>
</tbody>
</table>

** Denotes that a class is a State of Florida General Education Core Course.

Total Credits: 60.00

Sample Courses

Completion of the A.A. General degree to include the following prerequisite courses for the major:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSC 2093C</td>
<td>Anatomy and Physiology I</td>
<td>4</td>
</tr>
<tr>
<td>BSC 2094C</td>
<td>Anatomy and Physiology II</td>
<td>4</td>
</tr>
<tr>
<td>DEP 2004</td>
<td>Developmental Psychology</td>
<td>3</td>
</tr>
<tr>
<td>CHM 1032C</td>
<td>Foundations of College Chemistry</td>
<td>4</td>
</tr>
<tr>
<td>HUN 1201</td>
<td>The Principles of Nutrition</td>
<td>3</td>
</tr>
<tr>
<td>MCB 2010C</td>
<td>Microbiology</td>
<td>4</td>
</tr>
<tr>
<td>PSY 2012</td>
<td>General Psychology**</td>
<td>3</td>
</tr>
<tr>
<td>STA 2023</td>
<td>Statistical Methods I**</td>
<td>3</td>
</tr>
<tr>
<td>SYG 2000</td>
<td>Introduction to Sociology**</td>
<td>3</td>
</tr>
</tbody>
</table>

** Denotes that a class is a State of Florida General Education Core Course.

Total Credits: 60.00

AA, Nursing Prerequisite Courses for the Major Associate in Arts

Subplan Code: HLT-NRSG  CIP: 1192401010

Program Description

The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.
### AA, Nutrition and Dietetics Prerequisite Courses for the Major

**Associate in Arts**

Subplan Code: HLT-DIET CIP: 1192401010

**Program Description**

The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

**Sample Courses**

**Completion of the A.A. General degree to include the following prerequisite courses for the major:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSC 2093C</td>
<td>Anatomy and Physiology I</td>
<td>4</td>
</tr>
<tr>
<td>BSC 2094C</td>
<td>Anatomy and Physiology II</td>
<td>4</td>
</tr>
<tr>
<td>CGS 1060C</td>
<td>Introduction to Computers</td>
<td>3</td>
</tr>
<tr>
<td>CHM 2045C</td>
<td>General Chemistry I**</td>
<td>4</td>
</tr>
<tr>
<td>CHM 2046C</td>
<td>General Chemistry II with Qualitative Analysis</td>
<td>4</td>
</tr>
<tr>
<td>CHM 2210C</td>
<td>Organic Chemistry I</td>
<td>4</td>
</tr>
<tr>
<td>CHM 2211C</td>
<td>Organic Chemistry II</td>
<td>4</td>
</tr>
</tbody>
</table>

**Total Credits:** 60.00

**Denotes that a class is a State of Florida General Education Core Course.**

### AA, Pharmacy Prerequisite Courses for the Major

**Associate in Arts**

Subplan Code: HLT-PHAR CIP: 1192401010

**Program Description**

The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

**Sample Courses**

**Completion of the A.A. General degree to include the following prerequisite courses for the major:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 2013</td>
<td>Principles of Economics (MACRO)**</td>
<td>3</td>
</tr>
<tr>
<td>HUN 1201</td>
<td>The Principles of Nutrition</td>
<td>3</td>
</tr>
<tr>
<td>MAC 1105</td>
<td>College Algebra**</td>
<td>3</td>
</tr>
<tr>
<td>MCB 2010C</td>
<td>Microbiology</td>
<td>4</td>
</tr>
<tr>
<td>PSY 2012</td>
<td>General Psychology**</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Credits:** 60.00

**Denotes that a class is a State of Florida General Education Core Course.**
The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses

Completion of the A.A. General degree to include the following prerequisite courses for the major:

- CHM 2045C General Chemistry I** 4
- MAC 2311 Analytic Geometry and Calculus I** 5
- PHY 1053C General Physics I** 4
- MAC 2312 Analytic Geometry and Calculus II 5
- MAC 2313 Analytic Geometry and Calculus III 4
- MAP 2302 Elementary Differential Equations 3
- PHY 2048C Physics with Calculus I** 4
- PHY 2049C Physics with Calculus II 4

Total Credits: 60.00

** Denotes that a class is a State of Florida General Education Core Course.
AA, Physics Prerequisite Courses for the Major
Associate in Arts
Subplan Code: SCI-PHYS CIP: 1192401010
Program Description

The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses

Completion of the A.A. General degree to include the following prerequisite courses for the major:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 2045C</td>
<td>General Chemistry I**</td>
<td>4</td>
</tr>
<tr>
<td>CHM 2046C</td>
<td>General Chemistry II with Qualitative Analysis</td>
<td>4</td>
</tr>
<tr>
<td>MAC 2311</td>
<td>Analytic Geometry and Calculus I**</td>
<td>5</td>
</tr>
<tr>
<td>MAC 2312</td>
<td>Analytic Geometry and Calculus II</td>
<td>5</td>
</tr>
<tr>
<td>MAC 2313</td>
<td>Analytic Geometry and Calculus III</td>
<td>4</td>
</tr>
<tr>
<td>PHY 2048C</td>
<td>Physics with Calculus I**</td>
<td>4</td>
</tr>
<tr>
<td>PHY 2049C</td>
<td>Physics with Calculus II</td>
<td>4</td>
</tr>
</tbody>
</table>

** Denotes that a class is a State of Florida General Education Core Course.

Total Credits: 60.00

AA, Political Science - Pre-Law Track
Prerequisite Courses for the Major
Associate in Arts
Subplan Code: POL-LAW CIP: 1192401010
Program Description

The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses

Completion of the A.A. General degree to include the following prerequisite courses for the major:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMH 2010</td>
<td>United States History to 1865</td>
<td>3</td>
</tr>
<tr>
<td>AMH 2020</td>
<td>United States History 1865 to Present**</td>
<td>3</td>
</tr>
<tr>
<td>POS 2041</td>
<td>United States Federal Government**</td>
<td>3</td>
</tr>
<tr>
<td>STA 2023</td>
<td>Statistical Methods I**</td>
<td>3</td>
</tr>
<tr>
<td>POS#### Any POS prefix courses</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

** Denotes that a class is a State of Florida General Education Core Course.

Total Credits: 60.00
** Denotes that a class is a State of Florida General Education Core Course.

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### AA, Psychology Prerequisite Courses for the Major

**Associate in Arts**

**Subplan Code:** PSY-PSY  CIP: 1192401010

**Program Description**

The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

**Sample Courses**

Completion of the A.A. General degree to include the following prerequisite courses for the major:

- **PSY 2012** General Psychology** 3

- BSC#### Any BSC Prefix course

- PSY#### Any PSY prefix course

- STA#### Any STA prefix course

  **Total Credits:**  60.00

** Denotes that a class is a State of Florida General Education Core Course.

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### AA, Public Administration Prerequisite Courses for the Major

**Associate in Arts**

**Subplan Code:** SOC-PBLA  CIP: 1192401010

**Program Description**

The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

**Sample Courses**

Completion of the A.A. General degree to include the following prerequisite courses for the major:

- **POS 2041** United States Federal Government** 3

Choose 3 credits from the following list:

- **CGS 1060C** Introduction to Computers 3

- **CGS 2100C** Computer Applications 3

Choose 3 credits from the following list:

- **ECO 2013** Principles of Economics (MACRO)** 3

- **ECO 2023** Principles of Economics (MICRO) 3

  **Total Credits:**  60.00
** Denotes that a class is a State of Florida General Education Core Course.

### AA, Radio - Television Prerequisite Courses for the Major

**Associate in Arts**  
Subplan Code: COM-RATV CIP: 1192401010  

**Program Description**

The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

**Sample Courses**

Completion of the A.A. General degree to include the following prerequisite courses for the major:

- **SPC 1608** Introduction to Oral Communication  3

**Recommended**

- **AMH 2010** United States History to 1865  3
- **AMH 2020** United States History 1865 to Present**  3
- **POS 2041** United States Federal Government**  3
- **POS 2112** State and Local Government  3

**Total Credits:** 60.00

**Denotes that a class is a State of Florida General Education Core Course.

### AA, Real Estate Prerequisite Courses for the Major

**Associate in Arts**  
Subplan Code: BUS-RLEST CIP: 1192401010  

**Program Description**

The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

**Sample Courses**

Completion of the A.A. General degree to include the following prerequisite courses for the major:

- **ACG 2021** Principles of Financial Accounting  3
- **ACG 2071** Principles of Managerial Accounting  3
- **CGS 2100C** Computer Applications  3
- **ECO 2013** Principles of Economics (MACRO)**  3
- **ECO 2023** Principles of Economics (MICRO)  3
AA, Science Education - Biology Prerequisite Courses for the Major
Associate in Arts
Subplan Code: EDU-BIO CIP: 1192401010
Program Description

The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses

Completion of the A.A. General degree to include the following prerequisite courses for the major:

- BSC 2010C General Biology I** 4
- BSC 2011C General Biology II 4
- CHM 2045C General Chemistry I** 4

** Denotes that a class is a State of Florida General Education Core Course.

AA, Science Education - Chemistry Prerequisite Courses for the Major
Associate in Arts
Subplan Code: EDU-CHM CIP: 1192401010
Program Description

The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website for more information on their transfer program of choice.
Sample Courses

Completion of the A.A. General degree to include the following prerequisite courses for the major:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSC 2010C</td>
<td>General Biology I**</td>
<td>4</td>
</tr>
<tr>
<td>CHM 2045C</td>
<td>General Chemistry I**</td>
<td>4</td>
</tr>
<tr>
<td>CHM 2046C</td>
<td>General Chemistry II with Qualitative Analysis</td>
<td>4</td>
</tr>
<tr>
<td>EDF 2005</td>
<td>Introduction to the Teaching Profession</td>
<td>3</td>
</tr>
<tr>
<td>EDF 2085</td>
<td>Introduction to Diversity for Educators</td>
<td>3</td>
</tr>
<tr>
<td>EME 2040</td>
<td>Introduction to Technology for Educators</td>
<td>3</td>
</tr>
<tr>
<td>MAC 2311</td>
<td>Analytic Geometry and Calculus I**</td>
<td>5</td>
</tr>
<tr>
<td>PHY 2048C</td>
<td>Physics with Calculus I**</td>
<td>4</td>
</tr>
<tr>
<td>PHY 2049C</td>
<td>Physics with Calculus II</td>
<td>4</td>
</tr>
</tbody>
</table>

Total Credits: 60.00

** Denotes that a class is a State of Florida General Education Core Course.

AA, Science Education-Physics Prerequisite Courses for the Major

Associate in Arts

Subplan Code: EDU-PHYS CIP: 1192401010

Program Description

The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses

Completion of the A.A. General degree to include the following prerequisite courses for the major:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSC 1005C</td>
<td>Concepts of Biology**</td>
<td>4</td>
</tr>
<tr>
<td>CHM 2045C</td>
<td>General Chemistry I**</td>
<td>4</td>
</tr>
<tr>
<td>CHM 2046C</td>
<td>General Chemistry II with Qualitative Analysis</td>
<td>4</td>
</tr>
<tr>
<td>EDF 2005</td>
<td>Introduction to the Teaching Profession</td>
<td>3</td>
</tr>
<tr>
<td>EDF 2085</td>
<td>Introduction to Diversity for Educators</td>
<td>3</td>
</tr>
<tr>
<td>EME 2040</td>
<td>Introduction to Technology for Educators</td>
<td>3</td>
</tr>
<tr>
<td>MAC 2311</td>
<td>Analytic Geometry and Calculus I**</td>
<td>5</td>
</tr>
<tr>
<td>PHY 2049C</td>
<td>Physics with Calculus II</td>
<td>4</td>
</tr>
</tbody>
</table>

Total Credits: 60.00

** Denotes that a class is a State of Florida General Education Core Course.

AA, Simulation in Healthcare Education Prerequisite Courses for the Major

Associate in Arts

Subplan Code: HLT-SIMHLT CIP: 1192401010
Program Description

The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses

Completion of the A.A. General degree to include the following prerequisite courses for the major:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIM 1442</td>
<td>Pharmacology and Lab Medicine</td>
<td>3</td>
</tr>
<tr>
<td>HIM 1453</td>
<td>Anatomy and Physiology</td>
<td>3</td>
</tr>
<tr>
<td>BSC 2093C</td>
<td>or BSC 2094C, or BSC 1085C &amp; BSC 1086C, or BSC 1020 or EMS 2010</td>
<td>3</td>
</tr>
<tr>
<td>HSC 1000</td>
<td>Introduction to Health Care</td>
<td>3</td>
</tr>
<tr>
<td>HSC 1531</td>
<td>Medical Terminology</td>
<td>3</td>
</tr>
<tr>
<td>HSC 2400</td>
<td>First Aid and CPR</td>
<td>3</td>
</tr>
<tr>
<td>HUN 1201</td>
<td>The Principles of Nutrition</td>
<td>3</td>
</tr>
<tr>
<td>or</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HUN 2202</td>
<td>Human Nutrition and Diet Therapy</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credits: 60.00

** Denotes that a class is a State of Florida General Education Core Course.

AA, Social Science Education Prerequisite Courses for the Major

Associate in Arts

Subplan Code: EDU-SSE CIP: 1192401010

Program Description

The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses

Completion of the A.A. General degree to include the following prerequisite courses for the major:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMH 2010</td>
<td>United States History to 1865</td>
<td>3</td>
</tr>
<tr>
<td>AMH 2020</td>
<td>United States History 1865 to Present**</td>
<td>3</td>
</tr>
<tr>
<td>EDF 2005</td>
<td>Introduction to the Teaching Profession</td>
<td>3</td>
</tr>
<tr>
<td>EDF 2085</td>
<td>Introduction to Diversity for Educators</td>
<td>3</td>
</tr>
</tbody>
</table>
Note: In addition to EDF 2085, a minimum of 6 semester hours with an international or diversity focus is required. Eligible courses will be determined by the College. Modern Language courses may be used to meet this requirement.

EME 2040 Introduction to Technology for Educators 3
POS 2041 United States Federal Government** 3

ANT### Any ANT prefix course
ECO### Any ECO prefix course
GEA### Any GEA prefix course
PSY### Any PSY prefix course
SYG### Any SYG prefix course

Total Credits: 60.00

** Denotes that a class is a State of Florida General Education Core Course.

Sample Courses

Completion of the A.A. General degree to include the following prerequisite courses for the major:

POS 2041 United States Federal Government** 3
STA 2023 Statistical Methods I** 3

Choose 3 credits from the following list:

ANT 2000 General Anthropology** 3
PSY 2012 General Psychology** 3
SYG 2000 Introduction to Sociology** 3

Total Credits: 60.00

** Denotes that a class is a State of Florida General Education Core Course.

AA, Social Sciences Prerequisite Courses for the Major

AA, Social Work Prerequisite Courses for the Major

AA, Social Sciences Prerequisite Courses for the Major

Associate in Arts
Subplan Code: SOC-SS CIP: 1192401010
Program Description

The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

AA, Social Work Prerequisite Courses for the Major

Associate in Arts
Subplan Code: SOC-WRK CIP: 1192401010
Program Description

The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website
Sample Courses

**Completion of the A.A. General degree to include the following prerequisite courses for the major:**

- BSC 1005 Concepts of Biology** 3
- POS 2041 United States Federal Government** 3
- PSY 2012 General Psychology** 3
- STA 2023 Statistical Methods I** 3
- SYG 2000 Introduction to Sociology** 3

Choose 3 credits from the following list:

- ECO 2013 Principles of Economics (MACRO)** 3
- ECO 2023 Principles of Economics (MICRO) 3

Total Credits: 60.00

** Denotes that a class is a State of Florida General Education Core Course.

AA, Sport and Exercise Science Prerequisite Courses for the Major

**Associate in Arts**

Subplan Code: SPRT-FIT CIP: 1192401010

Program Description

The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses

**Completion of the A.A. General degree to include the following prerequisite courses for the major:**

Recommended

- STA 2023 Statistical Methods I** 3
- SYG 2000 Introduction to Sociology** 3
- SYG### Any SYG prefix course

Total Credits: 60.00

** Denotes that a class is a State of Florida General Education Core Course.
and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

**Sample Courses**

Completion of the A.A. General degree to include the following prerequisite courses for the major:

- **BSC 2010C** General Biology I** 4
- **BSC 2093C** Anatomy and Physiology I 4
- **HSC 2400** First Aid and CPR 3
- **PHY 1020** Conceptual Physics** 3
- **POS 2041** United States Federal Government** 3
- **PSY 2012** General Psychology** 3
- **STA 2023** Statistical Methods I** 3

Elective courses with CHM, EDF, HSC, HUN, PEL or PEM prefixes

Choose 1 course from the following list:

- **AMH 2010** United States History to 1865 3
- **AMH 2020** United States History 1865 to Present** 3

**Total Credits:** 60.00

** Denotes that a class is a State of Florida General Education Core Course.

The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

**Sample Courses**

Completion of the A.A. General degree to include the following prerequisite courses for the major:

- **ACG 2021** Principles of Financial Accounting 3
- **ACG 2071** Principles of Managerial Accounting 3
- **BSC 2093C** Anatomy and Physiology I 4
- **EME 2040** Introduction to Technology for Educators 3
- **MAC 1105** College Algebra** 3
- **PSY 2012** General Psychology** 3
- **STA 2023** Statistical Methods I** 3
- **FIN#### Any FIN prefix course**
- **GEB#### Any GEB prefix course**
- **MAR#### Any MAR prefix course**
- **ECO 2013** Principles of Economics (MACRO)** 3

or
** Denotes that a class is a State of Florida General Education Core Course.

---

### AA, Statistics Prerequisite Courses for the Major

**Associate in Arts**

**Subplan Code:** MAT-STAT  CIP: 1192401010

**Program Description**

The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice. The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

**Sample Courses**

Completion of the A.A. General degree to include the following prerequisite courses for the major:

- BSC, CHM, GLY or PHY prefix lab based science courses for science majors  
- COP### Any COP prefix course  
- MAC 2311  Analytic Geometry and Calculus I**  
- MAC 2312  Analytic Geometry and Calculus II  
- STA 2023  Statistical Methods I**

**Total Credits:** 60.00

---

### AA, Technical Education and Industry Training Prerequisite Courses for the Major

**Associate in Arts**

**Subplan Code:** EDU-TRDI  CIP: 1192401010

**Program Description**

The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice. The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

**Sample Courses**

Completion of the A.A. General degree to include the following prerequisite courses for the major:

- EDF 2005  Introduction to the Teaching Profession  
- EDF 2085  Introduction to Diversity for Educators

**Total Credits:** 60.00
Note: In addition to EDF 2085, a minimum of 6 semester hours with an international or diversity focus is required. Eligible courses will be determined by the College. Modern Language courses may be used to meet this requirement.

EME 2040 Introduction to Technology for Educators 3

***#### Area of specialization courses

  Total Credits: 60.00

** Denotes that a class is a State of Florida General Education Core Course.

AA, Theatre Prerequisite Courses for the Major
Associate in Arts
Subplan Code: THE-ATRE CIP: 1192401010
Program Description

The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Completion of the A.A. General degree to include the following prerequisite courses for the major:

THE 1020 Theatre Survey 3

THE 1300 Survey Dramatic Literature 3

THE 1304 Script Analysis 3

THE 2925 Theatre Production and Performance 1

TPA 2201L Technical Theatre Production Lab 1

TPA 2201 Technical Theatre Production 2

TPP 1100 Acting I 3

Total Credits: 60.00

** Denotes that a class is a State of Florida General Education Core Course.

AA, World Language Education - Spanish
Prerequisite Courses for the Major
Associate in Arts
Subplan Code: EDU-SPAN CIP: 1192401010
Program Description

The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses

Completion of the A.A. General degree to include the following prerequisite courses for the major:
EDF 2005 Introduction to the Teaching Profession 3
EDF 2085 Introduction to Diversity for Educators 3

Note: In addition to EDF 2085, a minimum of 6 semester hours with an international or diversity focus is required. Eligible courses will be determined by the College. Modern Language courses may be used to meet this requirement.

EME 2040 Introduction to Technology for Educators 3

Recommended

BSC 1005C Concepts of Biology** 4
DEP 2004 Developmental Psychology 3
PHY 1020 Conceptual Physics** 3
PSY 2012 General Psychology** 3
SPN 2201 Intermediate Spanish II 3
STA 2023 Statistical Methods I** 3

Choose 1 course from the following list:

AMH 2010 United States History to 1865 3
AMH 2020 United States History 1865 to Present** 3

Total Credits: 60.00

** Denotes that a class is a State of Florida General Education Core Course.

includes competency-based applied learning that contributes to the academic knowledge, higher-order reasoning and problem-solving skills, work attitudes, general employability skills, technical skills, and occupation-specific skills, and knowledge of all aspects of the manufacturing career cluster.

Program Note

Seminole State’s Associate in Science (A.S.) degrees are designed to prepare graduates for immediate entry into their chosen career field and/or transfer into certain baccalaureate programs. Students planning to transfer to a college or university should consult with an academic advisor to ensure completion of all entry requirements for the baccalaureate program of their choice.

Placement and Salary Information

Visit Smart-College-Choices.com to access employment numbers and the estimated average, annual full-time wage for graduates of this program.

Required Courses 12

Students must complete all Required Courses with a grade of “C” or higher.

Choose MAC 1114 and MAC 1140 or MAC 1147 or MAC 2311

MAC 1114 Trigonometry 3
and
MAC 1140 Precalculus Algebra 3
or
MAC 1147 Precalculus Algebra/Trigonometry 5
or
MAC 2311 Analytic Geometry and Calculus I 5
Any General Ed Science Area A or B 3
CHM 2045C General Chemistry I 4
Choose 1 of the following specializations:
Students must complete all Specialization Courses with a grade of "C" or higher.

- Chemical/Biological Specialization
- Engineering Specialization

**Chemical/Biological Technical Specialization** 16

CHM 2210C Organic Chemistry I 4

CHM 2211C Organic Chemistry II 4

Choose 1 Physics sequence

PHY 2048C Physics with Calculus I 4

PHY 2049C Physics with Calculus II 4

or

PHY 1053C General Physics I 4

PHY 1054C General Physics II 4

**Engineering Specialization** 16

EGS 1006 Introduction to the Engineering Profession 1

EGN 1007 Engineering Concepts and Methods 1

EGN 2440 Probability Statistics for Engineers 3

MAP 2302 Elementary Differential Equations 3

PHY 2048C Physics with Calculus I 4

PHY 2049C Physics with Calculus II 4

**Elective Courses** 21

If not used for Required or General Education courses

Students must complete all Elective Courses with a grade of "C" or higher.

**General Education Courses** 15

ENC 1101 English I 3

MAC 1105 College Algebra 3

or higher level mathematics course

SPC 1608 Introduction to Oral Communication 3
Honors Certificate Program

Technical Certificate

Major Code: HONC-INT  CIP: 1192401010

Program Description

Academically talented students with majors such as chemistry, music, nursing and physics that require a strict course of study are encouraged to enroll in the Honors Seminar Program to earn an Honors Certificate as an alternative to the Honors Diploma. Students may take some of their basic general education courses such as English, speech, humanities and history within the Honors curriculum. The Honors Certificate is one of five tracks available in The Art & Phyllis Grindle Honors Institute.

To earn an Honors Certificate, students must take a minimum of 13 Honors credits. These credits apply to the Associate in Arts and the Associate in Science degrees.

Like the Honors Diploma Program (an A.A. degree program), the Honors Certificate is restricted-access. Candidates must:

- Apply and be accepted to Seminole State College;
- Provide official transcripts, indicating successful completion of high school or GED*;
- Have a high school GPA of 3.2 or have earned a 3.2 GPA in a minimum of six credit hours of college-credit classes;
- Have a score of at least 23 on the ACT; or 95 on the CPT Reading Test and 75 on the CPT Math Test or 1050 on the SAT; or 1050 on math and writing or reading on the new SAT;
- Submit an application to the Honors Program;
- Submit two letters of recommendation;
- Schedule an interview with the Honors Coordinator;
- Complete an on-site writing sample.

Total Credits: 64.00

Required Courses

IDH  1920  Introduction to Honors  1

General Education Courses

Choose a minimum of 13 credits of Honors General Education and Honors Elective courses.

AMH  2010H  Honors United States History to 1865  3
AMH  2020H  Honors United States History 1865 to Present  3
AMH  2035H  Honors The United States 1945 to Present  3
AMH  2090H  Honors United States Women’s History  3
AMH  2095H  Honors Native American History  3
BSC  1050H  Honors Biology and Environment  3
CBH  1021H  Comparative Psychology & Animal Behavior  3
CHM  1020H  Honors Contemporary Chemistry  3
CHM  2046CH  Honors General Chemistry II with Qualitative Analysis  4
ECO  2013H  Honors Principles of Economics (MACRO)  3
ECO  2023H  Honors Principles of Economics (MICRO)  3
ENC  1101H  Honors English I  3
ENC  1102H  Honors English II  3
HUM  2022H  Honors Liberal Arts Humanities  3
HUM  2250H  Honors 20th/21st Century Humanities  3
HUM  2322H  Honors Women, Gender and Culture  3
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HUM 2410H</td>
<td>Honors Asian Humanities</td>
<td>3</td>
</tr>
<tr>
<td>HUM 2454H</td>
<td>Honors African American Humanities</td>
<td>3</td>
</tr>
<tr>
<td>HUM 2461H</td>
<td>Honors Latin American Humanities</td>
<td>3</td>
</tr>
<tr>
<td>HUM 2930H</td>
<td>Honors Selected Studies in Humanities</td>
<td>3</td>
</tr>
<tr>
<td>IDH 1104</td>
<td>Honors Arts and Culture</td>
<td>3</td>
</tr>
<tr>
<td>IDH 1613</td>
<td>Honors Ancient History</td>
<td>3</td>
</tr>
<tr>
<td>IDH 2102</td>
<td>Honors Arts and Ideas</td>
<td>3</td>
</tr>
<tr>
<td>IDH 2106</td>
<td>Honors Oratory: Speech, Argumentation and Debate</td>
<td>3</td>
</tr>
<tr>
<td>INR 2002H</td>
<td>Honors International Relations</td>
<td>3</td>
</tr>
<tr>
<td>LIT 2090H</td>
<td>Honors Contemporary Literature</td>
<td>3</td>
</tr>
<tr>
<td>LIT 2120H</td>
<td>Honors World Literature II</td>
<td>3</td>
</tr>
<tr>
<td>MAC 1105H</td>
<td>Honors College Algebra</td>
<td>3</td>
</tr>
<tr>
<td>OCE 1001CH</td>
<td>Honors Introduction to Oceanography with Lab</td>
<td>4</td>
</tr>
<tr>
<td>MAC 2311H</td>
<td>Honors Analytical Geometry and Calculus I</td>
<td>5</td>
</tr>
<tr>
<td>PSY 2012H</td>
<td>General Psychology Honors</td>
<td>3</td>
</tr>
<tr>
<td>POT 2002H</td>
<td>Honors - Political Theory</td>
<td>3</td>
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<tr>
<td>PHI 2010H</td>
<td>Honors Intro to Philosophy I</td>
<td>3</td>
</tr>
<tr>
<td>PHY 2048CH</td>
<td>Honors Physics with Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>PHY 2049CH</td>
<td>Honors Physics with Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>SPC 1608H</td>
<td>Honors Introduction to Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td>STA 2023H</td>
<td>Honors Statistical Methods I</td>
<td>3</td>
</tr>
<tr>
<td>SYG 2110H</td>
<td>Honors Introduction to Social Research</td>
<td>3</td>
</tr>
<tr>
<td>SYG 2000H</td>
<td>Honors Introduction to Sociology</td>
<td>3</td>
</tr>
<tr>
<td>WOH 2232H</td>
<td>Honors Survey of Early Christianity</td>
<td>3</td>
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</table>

**Elective Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tr>
<td>IDH 2001</td>
<td>Honors Seminar</td>
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<tr>
<td>IDH 2002</td>
<td>Honors Seminar II</td>
<td>1</td>
</tr>
<tr>
<td>IDH 2003</td>
<td>Honors Seminar III</td>
<td>3</td>
</tr>
<tr>
<td>IDH 2905</td>
<td>Directed Studies in Honors</td>
<td>3</td>
</tr>
<tr>
<td>IDH 2930</td>
<td>Selected Studies in Interdisciplinary Honors</td>
<td>3</td>
</tr>
<tr>
<td>IDH 2931</td>
<td>Selected Studies in Interdisciplinary Honors</td>
<td>1</td>
</tr>
<tr>
<td>IDH 2950</td>
<td>Travel Study in Honors</td>
<td>3</td>
</tr>
<tr>
<td>PAZ 1003H</td>
<td>Introduction to Zoo Science</td>
<td>3</td>
</tr>
<tr>
<td>PAZ 2943H</td>
<td>Cooperative Education Internship in Parks and Zoos</td>
<td>1</td>
</tr>
<tr>
<td>PAZ 2944H</td>
<td>Cooperative Education Internship in Parks and Zoos</td>
<td>2</td>
</tr>
<tr>
<td>PAZ 2945H</td>
<td>Cooperative Education Internship in Parks and Zoos</td>
<td>3</td>
</tr>
</tbody>
</table>

**International Studies**

**Technical Certificate**

**Major Code:** INTC-INT  
**CIP:** 1192401010

**Program Description**

The International Studies Certificate enhances students’ global sociocultural responsibility. Participation in the certificate program will help
students to emerge as more globally competent citizens through a multi-disciplinary approach to the study of history, politics, culture, economics and modern foreign language. To earn the certificate, students must complete 26 credits from the menu of courses provided below. While most of the courses will meet General Education requirements, some of the courses will serve as electives. In addition, students must satisfy the extracurricular study abroad travel requirement. This may be achieved by satisfying a combination of the following:

- One month (minimum of 4 weeks) overseas immersion experience in one country (e.g. internship abroad, documented ministry experience, study abroad program, personal travel that includes a travel log and itinerary, etc.);
- Participation in two faculty-led 10-day (or longer) short-term study abroad program experiences (students must take the course associated with this trip);
- Participation in one faculty-led 10-day (or longer) short-term study abroad program experience (students must take the course associated with this trip) and complete a follow-up project with the Center for Global Engagement;
- All travel must be pre-approved in writing by the Center for Global Engagement.

Requirements

1. Students must earn 26 credit hours from the courses listed below. While most of the courses below will meet General Education requirements, some of the courses will serve as electives.

2. In addition to completion of the Curricular Requirements for the International Studies Certificate, students must also complete one of the following Extracurricular Requirements while the student is enrolled at Seminole State College of Florida:
   a. Documented completion of having lived and/or studied abroad for a minimum of 30 continuous calendar days in one country.
   b. Documented completion of having lived and/or studied abroad on two separate occasions, each lasting a minimum of 10 continuous calendar days. One of these occasions must have been completed on a Seminole State College faculty-led (or other approved) program.
   c. Documented completion of having lived and/or studied abroad on one occasion for a minimum of 10 continuous calendar days on a Seminole State College faculty-led (or other approved) program AND the completion of a three-credit travel study course in conjunction with, or within two years of completion of the trip. Credit must be evaluated and approved by the original faculty member who conducted the trip and the Center for Global Engagement Internationalization Committee.
   d. Documented completion of one Seminole State College faculty-led study abroad (or other approved) trip lasting a minimum of 10 continuous calendar days AND the completion of a three-credit selected studies course of the student's choice (Anthropology, Business, Humanities, etc.). During the selected studies course, the student will prepare a PowerPoint presentation which must be successfully presented to the Center for Global Engagement Internationalization Committee, addressing internationally focused questions/issues within the context of the discipline represented by the selected studies course: ARC 2930 Architectural Design, ANT 2930 Anthropology, ECO 2930 Economics, ETD 2930 Engineering, FOL 2930 Foreign Language, GEB 2931 Business, HIS 2930 History, HUM 2930 Humanities, IDS 2931 Interdisciplinary Studies, JOU 2930 Journalism, LIT 2930 Literature, PLA 2930 Law or THE 2930 Theatre.

Choose six credits from the following list

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMH 2020</td>
<td>United States History 1865 to Present</td>
<td>3</td>
</tr>
<tr>
<td>ASH 2021</td>
<td>East Asian History (China, Japan and Korea)</td>
<td>3</td>
</tr>
<tr>
<td>EUH 2001</td>
<td>Western Civilization 1600 to Present</td>
<td>3</td>
</tr>
<tr>
<td>LAH 2020</td>
<td>Latin American History</td>
<td>3</td>
</tr>
</tbody>
</table>

Choose six credits from the following list
This certificate program is designed to provide students with the foundational skills required to begin production work in central Florida’s entertainment industry. The program’s emphasis on production skills that includes stagecraft, prop fabrication, scenic painting and stage lighting will prepare students for traditional theatre, theme park, scene shop, convention and industrial theatre employment.

**Required Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>THE 1304</td>
<td>Script Analysis</td>
<td>3</td>
</tr>
<tr>
<td>THE 2925</td>
<td>Theatre Production and Performance</td>
<td>1</td>
</tr>
<tr>
<td>THE 2925 Theatre Production and Performance must be completed 2 times.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TPA 1200</td>
<td>Stagecraft I</td>
<td>3</td>
</tr>
<tr>
<td>TPA 2000</td>
<td>Introduction to Stage Design</td>
<td>3</td>
</tr>
<tr>
<td>TPA 2201</td>
<td>Technical Theatre Production</td>
<td>2</td>
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<tr>
<td>TPA 2201L Technical Theatre Production Lab</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>TPA 2204</td>
<td>Stagecraft II</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Credits: 17.00**

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**Instructional Design Certificate**

**Technical Certificate**

**Major Code: INSDSGN-CC CIP: 0609070211**

**Program Description**

This fully online certificate program offers a skill set in the evolving field of technology and education. The program prepares students from various backgrounds and levels of technological experience with the knowledge and skills necessary to effectively design, develop, facilitate and evaluate instruction for delivery in the classroom or online. Students will work in a variety of settings including K-12, higher education, corporate, healthcare, nonprofit, military and government. Students will benefit from the opportunities to engage with fellow professionals on
emergent topics in technology and education as they fulfill flexible project assignments that can be adapted to their relevant professional activities.

**Required Courses**  

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EME 2450</td>
<td>Introduction to Distance Education</td>
<td>3</td>
</tr>
<tr>
<td>EME 2670</td>
<td>Introduction to Instructional Design</td>
<td>3</td>
</tr>
</tbody>
</table>

Choose 3 credits from the following list:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EME 2040</td>
<td>Introduction to Technology for Educators</td>
<td>3</td>
</tr>
<tr>
<td>or</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EME 2041</td>
<td>Introduction to Instructional Technologies</td>
<td>3</td>
</tr>
</tbody>
</table>

Choose 3 credits from the following list:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>EDF 2130</td>
<td>Children and Adolescent Development</td>
<td>3</td>
</tr>
<tr>
<td>or</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EDF 2170</td>
<td>The Adult Learner</td>
<td>3</td>
</tr>
<tr>
<td>or</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EDP 2002</td>
<td>Introduction to Educational Psychology</td>
<td>3</td>
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</tbody>
</table>

Choose 3 credits from the following list:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EME 2004</td>
<td>Introduction to Project Management</td>
<td>3</td>
</tr>
<tr>
<td>EME 2470</td>
<td>Teaching and Learning in the Connected Age</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Credits**: 15.00

The Digital Cinema and Television Production program is designed to prepare students for employment as television and video production personnel. Job titles include video producer, camera operator, location/studio sound operator, videographer, post-production editor, and webcast production specialist. This program focuses on broad transferable skills and stresses understanding and demonstration of skills related to the television video and internet/webcast industries, including pre-production concept development, logistical coordination and planning, scripting, production management and direction, camera operation, photographic image composition, lighting, location/studio sound recording, post-production picture and audio editing. The program offers a sequence of courses that provides coherent and rigorous content aligned with challenging academic standards and relevant technical knowledge and skills needed to prepare for further education and careers in the Arts, A/V Technology and Communication career cluster.

**College Credit Certificates**

Students may complete the following college credit certificates as part of the Digital Cinema and Television Production degree:

- Digital and Interactive Media Design Technical Certificate
- Digital Video Fundamentals Certificate
- Video Editing and Post-Production Certificate

**Required Courses**  

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>RTV 1201C</td>
<td>Introduction to Television Production I</td>
<td>4</td>
</tr>
<tr>
<td>RTV 1201</td>
<td>Introduction to Audio Production</td>
<td>3</td>
</tr>
<tr>
<td>RTV 1201L</td>
<td>Introduction to Television Production II</td>
<td>4</td>
</tr>
<tr>
<td>RTV 2245C</td>
<td>Electronic Field Production</td>
<td>4</td>
</tr>
<tr>
<td>RTV 2250</td>
<td>Video Post Production</td>
<td>3</td>
</tr>
<tr>
<td>RTV 2251</td>
<td>Advanced Editing</td>
<td>3</td>
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</table>

**AS, Digital Cinema and Television Production Associate in Science**

**Major Code**: MMTFP-AS  
**CIP**: 1609070213  
**Program Description**
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>RTV 2925</td>
<td>TV Workshop</td>
<td>3</td>
</tr>
<tr>
<td>PGY 2801C</td>
<td>Digital Photography</td>
<td>3</td>
</tr>
<tr>
<td>DIG 2341</td>
<td>Motion Graphics I</td>
<td>3</td>
</tr>
<tr>
<td>ART 1201C</td>
<td>Design Fundamentals I</td>
<td>3</td>
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<tr>
<td><strong>Elective Courses</strong></td>
<td></td>
<td><strong>15</strong></td>
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- Choose 15 credits from the following list: 15

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>DIG 2000</td>
<td>Introduction to Digital Media</td>
<td>3</td>
</tr>
<tr>
<td>ENG 2100</td>
<td>The Art of Film</td>
<td>3</td>
</tr>
<tr>
<td>PGY 2401C</td>
<td>Photography I</td>
<td>3</td>
</tr>
<tr>
<td>THE 1020</td>
<td>Theatre Survey</td>
<td>3</td>
</tr>
<tr>
<td>RTV 2206</td>
<td>Television Directing</td>
<td>3</td>
</tr>
<tr>
<td>THE 1300</td>
<td>Survey Dramatic Literature</td>
<td>3</td>
</tr>
<tr>
<td>THE 1304</td>
<td>Script Analysis</td>
<td>3</td>
</tr>
<tr>
<td>THE 2925</td>
<td>Theatre Production and Performance</td>
<td>1</td>
</tr>
<tr>
<td>CRW####</td>
<td>Any CRW prefix course</td>
<td></td>
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<tr>
<td>ART####</td>
<td>Any ART prefix course</td>
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<tr>
<td>DIG####</td>
<td>Any DIG prefix course</td>
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</tr>
<tr>
<td>FIL####</td>
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</tr>
<tr>
<td>GRA####</td>
<td>Any GRA prefix course</td>
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<tr>
<td>PGY####</td>
<td>Any PGY prefix course</td>
<td></td>
</tr>
<tr>
<td>RTV####</td>
<td>Any RTV prefix course</td>
<td></td>
</tr>
<tr>
<td>RTV29##</td>
<td>Cooperative Education Internship in Radio/TV</td>
<td></td>
</tr>
<tr>
<td>TPP####</td>
<td>Any TPP prefix course</td>
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</tbody>
</table>

**General Education Courses** 15

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101</td>
<td>English I</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Credits:** 60.00

---

**Digital Video Fundamentals Technical Certificate**

**Major Code:** TVFUN-CC, CIP: 0610030414

**Program Description**

This program is designed for students who intend to seek employment in the television industry and/or related fields. Students enrolled in the A.A. degree or the A.S. degree, Digital Cinema and Television Production Associate in Science program may earn the Digital Video Fundamentals Certificate upon completion of the following courses:

**Required Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>RTV 1201C</td>
<td>Introduction to Television Production I</td>
<td>4</td>
</tr>
<tr>
<td>or</td>
<td></td>
<td></td>
</tr>
<tr>
<td>RTV 1201</td>
<td>Introduction to Television Production I</td>
<td>3</td>
</tr>
<tr>
<td>and</td>
<td></td>
<td></td>
</tr>
<tr>
<td>RTV 1201L</td>
<td>Introduction to Television Production I</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>Laboratory</td>
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</tr>
<tr>
<td>RTV 1241</td>
<td>Introduction to Television Production II</td>
<td>4</td>
</tr>
</tbody>
</table>

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School of Arts and Sciences

Catalog Year 2017-18

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Generated on 12/14/2017
### Video Editing and Post Production Certificate

**Major Code:** TVEDT-CC  
**CIP:** 0609040217

**Program Description**

This program is designed for students who intend to seek employment in the television industry and/or related fields. Students enrolled in the A.A. degree or the A.S. Degree, Digital Cinema and Television Production Associate in Science program may earn the Video Editing and Post Production Certificate upon completion of the following courses:

#### Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101</td>
<td>English I</td>
<td>3</td>
</tr>
<tr>
<td>RTV 1201C</td>
<td>Introduction to Television Production I</td>
<td>4</td>
</tr>
<tr>
<td>or</td>
<td></td>
<td></td>
</tr>
<tr>
<td>RTV 1201</td>
<td>Introduction to Television Production I</td>
<td>3</td>
</tr>
<tr>
<td>and</td>
<td></td>
<td></td>
</tr>
<tr>
<td>RTV 1201L</td>
<td>Introduction to Television Production I</td>
<td>1</td>
</tr>
<tr>
<td>RTV 1241</td>
<td>Introduction to Television Production II</td>
<td>4</td>
</tr>
<tr>
<td>RTV 2245C</td>
<td>Electronic Field Production</td>
<td>4</td>
</tr>
<tr>
<td>RTV 2250</td>
<td>Video Post Production</td>
<td>3</td>
</tr>
<tr>
<td>RTV 2251</td>
<td>Advanced Editing</td>
<td>3</td>
</tr>
<tr>
<td>RTV 2925</td>
<td>TV Workshop</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Credits:** 24.00

---

### Educator Preparation Institute Certificate of Achievement

**Major Code:** EDPREP  
**CIP:** 5551399990

**Program Description**

The Educator Preparation Institute (EPI) is a nine-month, competency-based program that provides baccalaureate degree holders in a field other than education the opportunity to become certified K-12 teachers. Applicants are screened for participation in this program.

The Educator Preparation Institute is a restricted-access program. Applicants must:

- Possess a bachelor’s degree or higher from an accredited postsecondary college or university and provide an official (unopened) transcript(s);
- Complete the Seminole State College admissions application;
- Obtain a statement of Status of Eligibility from the Florida Department of Education;
- Obtain security clearance through fingerprinting for a background check with the local school district(s);
- Attend an EPI information session;
- Complete and pass the state of Florida General Knowledge Exam, the Professional Exam and Subject Area Exam before completing the EPI program.

Those accepted into the EPI program will receive institutional credits which cannot be used as college credit hours. However, these hours are transportable from an alternative teacher certification program to another at participating institutions within the Florida state higher education system.

#### Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>EPI 0001</td>
<td>Classroom Management Module 1A</td>
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</tr>
<tr>
<td>EPI 0002</td>
<td>Instructional Strategies Module 1B</td>
<td>3</td>
</tr>
<tr>
<td>EPI 0003</td>
<td>Instructional Strategies: Technology Module 1C</td>
<td>3</td>
</tr>
<tr>
<td>EPI 0004</td>
<td>Instructional Strategies: The Teaching and Learning Process Module 1D</td>
<td>3</td>
</tr>
<tr>
<td>Course Code</td>
<td>Course Title</td>
<td>Credits</td>
</tr>
<tr>
<td>------------</td>
<td>--------------------------------------------------------</td>
<td>---------</td>
</tr>
<tr>
<td>EPI 0005</td>
<td>Methods of Teaching English to Speakers of Other Languages (ESOL)</td>
<td>3</td>
</tr>
<tr>
<td>EPI 0010</td>
<td>Foundations of Language and Cognition</td>
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<tr>
<td>EPI 0020</td>
<td>The Teaching Profession: Professional Foundations</td>
<td>2</td>
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<tr>
<td>EPI 0030</td>
<td>Diversity in the Classroom: Module 4A</td>
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<tr>
<td>EPI 0950</td>
<td>Teaching Methods Practicum</td>
<td>5</td>
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<tr>
<td>EPI 0009</td>
<td>Foundations of Language and Cognition</td>
<td>3</td>
</tr>
<tr>
<td>EPI 0010</td>
<td>Foundations of Language and Cognition</td>
<td>4</td>
</tr>
<tr>
<td>EPI 0011</td>
<td>Foundations of Assessment</td>
<td>3</td>
</tr>
<tr>
<td>EPI 0012</td>
<td>Foundations of Differentiation</td>
<td>3</td>
</tr>
<tr>
<td>EPI 0014</td>
<td>Demonstration of Accomplishment</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credits: 28.00

Optional courses for students seeking the Reading Endorsement:
School of Business, Health and Public Safety

BS, Business and Information Management
Bachelor of Science
Major Code: BIM-BS CIP: 1105212011

Program Description

The Bachelor of Science in Business and Information Management (B.S.B.I.M.) degree is designed for students interested in making business organizations more efficient and effective through entrepreneurship and the use of business skills, including applying technology. This field requires a solid understanding of business practices combined with an understanding of the role information systems play within an organization. Professionals who practice in the field of Business and Information Management serve as a communication bridge between those who implement information systems technology and the business end users of these systems. They help ensure that organizations make information available in a timely manner and in an easily understandable format to provide strategic advantage.

The curriculum emphasizes skills necessary to sustain and grow a business through marketing, general business, management practices and the application of law and ethics. The curriculum also focuses on the analysis and implementation of information systems, data management, data communications, as well as currently emerging topics such as enterprise system processes and knowledge management. Students interested in careers as business analysts, business operations specialists, business support managers, chief information officers and management information systems managers will find this program especially beneficial. The B.S. degree in Business and Information Management consists of 120 credits including 36 credits of General Education courses.

Program Admission

Applicants seeking admission to Seminole State College’s bachelor’s degree programs must comply with the College’s General Admissions procedures. In addition, students must meet the following program-specific requirements listed below prior to being accepted into upper-division coursework:

- Completion of an Associate in Arts (A.A.) or bachelor’s degree from a regionally accredited institution or completion of an Associate in Science (A.S.) degree in a Business-related field from any regionally accredited institution.

All other degrees will be evaluated by the faculty committee on a case-by-case basis.

- A GPA of 2.0 or higher.
- Program Progression Requirements: once admitted, students must achieve (or have achieved) a grade of “C” or higher in the following courses:
  - ACG 2021 Principles of Financial Accounting
  - ACG 2071 Principles of Managerial Accounting
  - CGS 2100C Office Applications
  - ECO 2013 Principles of Economics (MACRO)
  - ECO 2023 Principles of Economics (MICRO)
  - MAC 2233 Concepts of Calculus
  - STA 2023 Statistical Methods I

Required Courses

Students must complete all Required Courses with a grade of “C” or higher.

FIN 3403 Principles of Business Finance 3
GEB 3376 The Entrepreneurial and Intrapreneurial Manager 3
ISM 3011C Essentials of Management Information Systems 3
Choose BUL 3130 or BUL 3130H:

BUL 3130  Legal and Ethical Environments of Business  3

or

BUL 3130H  Honors Legal and Ethical Environment of Business  3

Choose ISM 3424 or ISM 3424H

ISM 3424  Business Modeling Using Simulation  3

or

ISM 3424H  Honors Business Modeling using Simulation  3

Choose ISM 4881 or ISM 4881H

ISM 4881  Capstone Project  3

or

ISM 4881H  Honors Capstone Project  3

Choose MAR 3023 or MAR 3023H

MAR 3023  Principles of Marketing  3

or

MAR 3023H  Honors Principles of Marketing  3

Choose ENC 3213 or GEB 3213

ENC 3213  Technical and Business Writing  3

or

GEB 3213  Writing for Business  3

Elective Courses  36

Upper or Lower Division Electives  24

Choose 12 credits of elective courses from 1 of the following Specializations:

• Supply Chain Management
• Entrepreneurship
• Interdisciplinary

Supply Chain Management  12

MAN 2043  Quality Management  3

MAN 3504  Operations Management and Logistics  3

MAN 3781  Sustainable Business Strategies  3

MAN 4597  Global Supply Chain Management  3

Specialization courses must be completed with a “C” or higher.

Entrepreneurship Specialization  12

ENT 3183  Commercializing New Technologies  3

ENT 4113  Entrepreneurship: New Business Development  3
Specialization courses must be completed with a “C” or higher.

**Interdisciplinary Specialization**

Specialization courses must be completed with a “C” or higher.

- ACG 3131 Intermediate Accounting I: 3
- ACG 3361 Intermediate Managerial Accounting: 3
- GEB 3955 Travel Study in Business: 3
- ISM 3013 Using and Managing Business Information Systems: 3
- ISM 3113 Information Systems Analysis and Design: 3
- ISM 4420 Knowledge Management: Techniques and Practices: 3
- MAN 3504 Operations Management and Logistics: 3
- MAN 4600 International Business and Management: 3
- Any 2000, 3000 or 4000 level ACG, BUL, ECO, FIN, GEB, ISM, LDR, MAN, MAR, MKA, MNA, QMB, TAX or TRA course not already required can satisfy the elective requirement

**Foundation Courses**

Foundation courses may be applied towards elective and certain General Education requirements

Foundation courses must be completed with a grade of “C” or higher

- ACG 2021 Principles of Financial Accounting: 3
- ACG 2071 Principles of Managerial Accounting: 3

**General Education Courses**

Communications General Education courses: 9

History General Education course: 3

Humanities General Education courses: 6

Mathematics General Education course (MAC 1105 is recommended for students in this degree): 6

Science General Education courses: 6

Social Science General Education courses: 6

**Total Credits:** 120.00

**AS, Accounting Technology**

**Associate in Science**

**Major Code:** ACCT-AS **CIP:** 1552030201

**Program Description**

Seminole State’s Associate in Science (A.S.) degree in Accounting Technology combines advanced systems with the fundamentals of business and accounting to provide students the knowledge and skills required for professional success. Graduates understand how to
solve complex problems utilizing the latest accounting technology and techniques.

Profession

Dedicated to ethical practices and sound training, accounting professionals evaluate and maintain the financial health of an organization by creating the reports and schedules that allow companies to assess efficiency, control costs and increase profitability.

Job Outlook

Employment in this field is expected to grow by 16 percent (about as fast as average) through 2020 (Source: Bureau of Labor Statistics).

College Credit Certificates

Students pursuing this degree also may obtain the following college credit certificates:

• Accounting Applications Technical Certificate
• Accounting Operations Technical Certificate
• Accounting Specialist Technical Certificate
• Financial Operations Certificate
• Financial Operations Specialist Certificate
• Office Specialist Technical Certificate
• Office Support Technical Certificate

Certifications

Graduates of this program are qualified to earn the following industry certifications:

• Accredited Business Accountant (ABA)
• Certified Bookkeeper, American Institute of Professional Bookkeepers (AIUPB), AIOPB001
• Enrolled Agent, IRS, INTRS001
• Intuit Quickbooks Certified User, INTUT001

Additional industry certifications may be available for college credit certificate programs.

Degree Transfer

The following transfer options are available for A.S. degree in Accounting Technology graduates:

• DirectConnect to UCF: The University of Central Florida's Bachelor of Applied Science (B.A.S.) program.
• Additional options: Graduates also may transfer to the University of South Florida or Daytona State College.

Placement and Salary Information

Visit Smart-College-Choices.com to access employment numbers and the estimated average, annual full-time wage for graduates of this program.

Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACG 2021</td>
<td>Principles of Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ACG 2071</td>
<td>Principles of Managerial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ACG 2100</td>
<td>Intermediate Accounting Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>ACG 2360</td>
<td>Cost Accounting</td>
<td>3</td>
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<td>APA 1111C</td>
<td>Office Accounting I</td>
<td>3</td>
</tr>
<tr>
<td>APA 1112C</td>
<td>Office Accounting II Using QuickBooks</td>
<td>3</td>
</tr>
<tr>
<td>BUL 2241</td>
<td>Business Law I</td>
<td>3</td>
</tr>
<tr>
<td>CGS 2100C</td>
<td>Computer Applications</td>
<td>3</td>
</tr>
<tr>
<td>GEB 1011</td>
<td>Introduction to Business</td>
<td>3</td>
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<tr>
<td>OST 2335C</td>
<td>Business Communication</td>
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<td>OST 2852C</td>
<td>Microsoft Excel</td>
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<td>TAX 2000</td>
<td>Federal Income Taxes I</td>
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Elective Courses

Choose 6 credits of electives from the following list:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACG 2941</td>
<td>Cooperative Education Internship in Accounting</td>
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</table>
### General Education Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101</td>
<td>English I</td>
<td>3</td>
</tr>
<tr>
<td>ENC 1102</td>
<td>English II</td>
<td>3</td>
</tr>
</tbody>
</table>

### Mathematics or Science General Education Course (MAC 1105 is recommended for students wishing to pursue the B.S. in Business & Information Management)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 1105</td>
<td>Basic Calculus</td>
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### Humanities General Education course

<table>
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<tr>
<th>Course Code</th>
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</thead>
<tbody>
<tr>
<td>ENC 1100</td>
<td>English I</td>
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### Social Science General Education course

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
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</thead>
<tbody>
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<td>ENC 1100</td>
<td>English I</td>
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### Recommended:

<table>
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<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 2000</td>
<td>General Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>ECO 2013</td>
<td>Principles of Economics (MACRO)</td>
<td>3</td>
</tr>
<tr>
<td>ECO 2023</td>
<td>Principles of Economics (MICRO)</td>
<td>3</td>
</tr>
<tr>
<td>POS 2041</td>
<td>United States Federal Government</td>
<td>3</td>
</tr>
<tr>
<td>PSY 2012</td>
<td>General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>SYG 2000</td>
<td>Introduction to Sociology</td>
<td>3</td>
</tr>
</tbody>
</table>

### Total Credits:

| Credits | 60.00 |

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### AS, Administrative Office Management

**Associate in Science**

**Major Code:** OSTMS-AS  CIP: 1552020401

**Program Description**

Seminole State's Associate in Science (A.S.) degree in Administrative Office Management prepares students for careers as office managers and assistants. Students learn a variety of office management techniques and computer applications including business document preparation. Office procedures, corporate culture, ethics and etiquette, business communication and accounting are also emphasized.

**Profession**

Administrative and office management professionals are often the lifeline of an organization. Utilizing detailed organizational skills, they support all levels of a company by scheduling meetings; making travel arrangements; preparing reports; handling facilities and equipment; coordinating supplies; training employees; and supervising other office staff.
arrangements; researching, preparing and distributing reports and managing sensitive information related to budgets, personnel and corporate communications.

**Career Opportunities**

Graduates of this program are employed as:

- Administrative Assistants
- Executive Assistants
- Office Managers
- Office Supervisors
- Virtual Office Coordinators

**Job Outlook**

Employment in this field is expected to grow by 12 percent (about as fast as average) through 2020 (Source: Bureau of Labor Statistics).

**College Credit Certificates**

Students pursuing this degree also may obtain the following college credit certificates:

- Accounting Applications Technical Certificate
- Accounting Operations Technical Certificate
- Accounting Specialist Technical Certificate
- Office Management Technical Certificate
- Office Specialist Technical Certificate
- Office Support Technical Certificate

**Program Note**

Seminole State’s Associate in Science (A.S.) degrees are designed to prepare graduates for immediate entry into their chosen career field and/or transfer into certain baccalaureate programs. Students planning to transfer to a college or university should consult with an academic advisor to ensure completion of all entry requirements for the baccalaureate program of their choice.

**Certifications**

Graduates of this program are qualified to earn the following industry certifications:

- Certification for Legal Professionals, (Accredited Legal Secretary—ALS), The Association for Legal Professionals, (TAFLP001)

**Placement and Salary Information**

Visit [Smart-College-Choices.com](http://Smart-College-Choices.com) to access employment numbers and the estimated average, annual full-time wage for graduates of this program.

**Required Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>APA</td>
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<tr>
<td>CGS</td>
<td>2100C Computer Applications</td>
<td>3</td>
</tr>
<tr>
<td>GEB</td>
<td>1011 Introduction to Business</td>
<td>3</td>
</tr>
<tr>
<td>OST</td>
<td>1100C Keyboarding and Document Processing</td>
<td>3</td>
</tr>
<tr>
<td>OST</td>
<td>1108C Advanced Keyboarding &amp; Document Processing</td>
<td>3</td>
</tr>
<tr>
<td>OST</td>
<td>1355C Records Management and Legal Implications</td>
<td>3</td>
</tr>
<tr>
<td>OST</td>
<td>2335C Business Communication</td>
<td>3</td>
</tr>
<tr>
<td>OST</td>
<td>2402C Administrative Office Procedures</td>
<td>3</td>
</tr>
<tr>
<td>OST</td>
<td>2501 Administrative Office Management</td>
<td>3</td>
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<tr>
<td>OST</td>
<td>2852C Microsoft Excel</td>
<td>3</td>
</tr>
<tr>
<td>OST</td>
<td>2713C Microsoft Word I</td>
<td>3</td>
</tr>
<tr>
<td>OST</td>
<td>2826C Microsoft PowerPoint</td>
<td>3</td>
</tr>
</tbody>
</table>
Elective Courses

Choose 9 credits from the following list:

ACG 2021 Principles of Financial Accounting 3
ACG 2071 Principles of Managerial Accounting 3
APA 1112C Office Accounting II Using QuickBooks 3
BUL 2241 Business Law I 3
MAN 2300 Human Resources Management 3
GEB 2112 Entrepreneurship 3
OST 2717C Microsoft Word II 3
OST 2794 Internet Research for Business 3
OST 2821C Microsoft Publisher 3
OST 2836C Microsoft Access 3
OST 2930 Selected Studies in Office Administration 3
OST 2949 Cooperative Education Internship in Office Systems 3
QMB 1001 Business Mathematics 3

General Education Courses

ENC 1101 English I 3
SPC 1608 Introduction to Oral Communication 3

Humanities General Education course 3

Mathematics or Science General Education Course (MAC 1105 is recommended for students wishing to pursue the B.S. in Business & Information Management)

Social Science General Education course 3

Total Credits: 60.00

AS, Business Administration
Associate in Science
Major Code: BSADM-AS CIP: 1552020102

Program Description

Seminole State’s Associate in Science (A.S.) degree in Business Administration provides students a broad foundation in business studies including marketing, finance and management. Graduates possess the knowledge and skills to successfully contribute to the economic enterprises competing in today’s global market.

Profession

Successful business professionals participate in an increasingly complex and multicultural workforce. They embrace change and possess a broad understanding of the trends that influence today’s business environment, including creative entrepreneurship, corporate citizenship, digital marketing and mobile communication.

Career Opportunities

Graduates of this program are employed as:

- Administrative Service Managers
- Business Services Managers
- General Managers
- Technology Support Specialists

Job Outlook

Employment in this field is expected to grow by 15 percent (about as fast as average) through 2020 (Source: Bureau of Labor Statistics).

College Credit Certificates

Students pursuing this degree also may obtain the following college credit certificates:

- Business Operations Certificate
- Business Specialist Certificate
- Entrepreneurship Certificate
- Entrepreneurship Operations Certificate
- Financial Operations Certificate
- Financial Operations Specialist Certificate
• Human Resources Administrator Technical Certificate
• International Business Certificate
• Management Certificate
• Marketing Certificate
• Small Business Management Certificate

Degree Transfer

The following transfer options are available for A.S. Degree in Business Administration graduates:

• Seminole State’s Bachelor of Science (B.S.) in Business and Information Management (BIM).
• DirectConnect to UCF: Seminole State’s A.S. Degree in Business Administration will transfer to the College’s Bachelor of Arts in Business Administration (B.A.B.A.)
• Some A.S. courses are also transferable to other four-year institutions.

Certifications

Graduates of this program are qualified to earn the following industry certifications:

• Logistics and Supply Chain Management, (AMSTL001)
• Microsoft Office Specialist (MOS) Bundle Certification (3 of 5), (MICRO069)
• Microsoft Office Specialist Master, (MICRO017)
• Transportation and Logistics Certification, (AMSTL002)

Additional industry certifications may be available for college credit certificate programs.

Program Note

Seminole State’s Associate in Science (A.S.) degrees are designed to prepare graduates for immediate entry into their chosen career field and/or transfer into certain baccalaureate programs. Students planning to transfer to a college or university should consult with an academic advisor to ensure completion of all entry requirements for the baccalaureate program of their choice.

Placement and Salary Information

Visit Smart-College-Choices.com to access employment numbers and the estimated average, annual full-time wage for graduates of this program.

Required Courses

Choose 1 accounting group:

ACG 2021 Principles of Financial Accounting 3

and

ACG 2071 Principles of Managerial Accounting 3

or

APA 1111C Office Accounting I 3

and

APA 1112C Office Accounting II Using QuickBooks 3

Choose 1 legal studies course:

BUL 2240 Legal Issues for Small Businesses 3

or

BUL 2241 Business Law I 3

CGS 2100C Computer Applications 3

GEB 1011 Introduction to Business 3

MAN 2021 Introduction to Management 3

MAR 2011 Marketing 3

OST 2335C Business Communication 3

OST 2852C Microsoft Excel 3

QMB 1001 Business Mathematics 3

Elective Courses 15
Choose 15 credits of elective courses from 1 of the following Specializations:

- Human Resources Management
- Management
- Marketing and Sales
- Insurance (Risk Management)
- AS to BS (BIM)
- General

### Human Resources Management Specialization

<table>
<thead>
<tr>
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<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>MAN 2300</td>
<td>Human Resources Management</td>
<td>3</td>
</tr>
<tr>
<td>MNA 2320</td>
<td>Human Resources Recruitment and Staffing</td>
<td>3</td>
</tr>
<tr>
<td>MNA 2325</td>
<td>Human Resources Compensation and Benefits Administration</td>
<td>3</td>
</tr>
<tr>
<td>MNA 2403</td>
<td>Introduction to Human Resources Management Law and Regulations</td>
<td>3</td>
</tr>
<tr>
<td>OST 1355C</td>
<td>Records Management and Legal Implications</td>
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</table>

### Management Specialization

<table>
<thead>
<tr>
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<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>FIN 2001</td>
<td>Business Finance</td>
<td>3</td>
</tr>
<tr>
<td>GEB 2350</td>
<td>Global Business</td>
<td>3</td>
</tr>
<tr>
<td>MAN 2300</td>
<td>Human Resources Management</td>
<td>3</td>
</tr>
<tr>
<td>SBM 2000</td>
<td>Small Business Management</td>
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</tbody>
</table>

Elective: Any BUL, ENT, FIN, GEB, MAN, MAR, MKA, MNA, OST, SBM, or TRA prefix course

### Marketing and Sales Specialization

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENT 2172</td>
<td>Opportunity Analysis and Franchising</td>
<td>3</td>
</tr>
<tr>
<td>MAR 2141</td>
<td>Global Marketing</td>
<td>3</td>
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</table>

### Insurance (Risk Management) Specialization

<table>
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<th>Course Title</th>
<th>Credits</th>
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<tr>
<td>RMI 2662</td>
<td>Introduction to Risk Management and Insurance</td>
<td>3</td>
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<tr>
<td>RMI 2110</td>
<td>Personal Insurance Planning</td>
<td>3</td>
</tr>
<tr>
<td>RMI 2212</td>
<td>Personal and Business Property Insurance</td>
<td>3</td>
</tr>
<tr>
<td>MKA 2021</td>
<td>Principles of Selling</td>
<td>3</td>
</tr>
<tr>
<td>SBM 2000</td>
<td>Small Business Management</td>
<td>3</td>
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### AS to BS (BIM) Specialization

<table>
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<th>Course Title</th>
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<tbody>
<tr>
<td>ECO 2013</td>
<td>Principles of Economics (MACRO)</td>
<td>3</td>
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<td>ECO 2023</td>
<td>Principles of Economics (MICRO)</td>
<td>3</td>
</tr>
<tr>
<td>MAC 2233</td>
<td>Concepts of Calculus</td>
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<tr>
<td>STA 2023</td>
<td>Statistical Methods I</td>
<td>3</td>
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</table>

Elective: Any BUL, ENT, FIN, GEB, MAN, MAR, MKA, MNA, OST, SBM, or TRA prefix course

### General Specialization

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ENT 2172</td>
<td>Opportunity Analysis and Franchising</td>
<td>3</td>
</tr>
<tr>
<td>FIN 2001</td>
<td>Business Finance</td>
<td>3</td>
</tr>
<tr>
<td>FIN 2100</td>
<td>Personal Finance</td>
<td>3</td>
</tr>
<tr>
<td>GEB 2112</td>
<td>Entrepreneurship</td>
<td>3</td>
</tr>
<tr>
<td>GEB 2350</td>
<td>Global Business</td>
<td>3</td>
</tr>
</tbody>
</table>
AS, Entrepreneurship and Business Management
Associate in Science
Major Code: ENTRE-AS CIP: 1552070308

Program Description
Seminole State's Associate in Science (A.S.) degree in Entrepreneurship and Business Management prepares students to start, run and grow an organization by emphasizing the critical thinking skills required to develop innovative business practices. Coursework includes computer applications, communication strategies and personnel management, as well as networking and venture capital acquisition.

Profession
Entrepreneurs play a critical role in the economy by serving as business leaders and innovators. They assume financial risks to bring new ideas to market and possess the decision-making skills to produce economic profits.

Careers in entrepreneurship and small business management are well-suited for individuals who are passionate about owning or operating new businesses or improving existing companies.

Career Opportunities
Graduates of this program are employed as:
- Administrative Services or Office Managers
- Business Owners
- Chief Executive Officers
- General and Operational Managers
- Hotel Managers

### Job Outlook

Employment in this field is expected to grow by 15 percent (about as fast as average) through 2020 (Source: Bureau of Labor Statistics).

### College Credit Certificates

Students pursuing this degree also may obtain the following college credit certificates:

- Business Specialist Certificate
- Entrepreneurship Certificate
- Entrepreneurship Operations Certificate
- Human Resources Administrator Technical Certificate

### Degree Transfer

Seminole State's A.S. degree in Entrepreneurship and Business Management will transfer to the College's Bachelor of Science (B.S.) in Business Information Management program.

### Placement and Salary Information

Visit [Smart-College-Choices.com](http://Smart-College-Choices.com) to access employment numbers and the estimated average, annual full-time wage for graduates of this program.

### Required Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>CGS 2100C</td>
<td>Computer Applications</td>
<td>3</td>
</tr>
<tr>
<td>ENT 2172</td>
<td>Opportunity Analysis and Franchising</td>
<td>3</td>
</tr>
<tr>
<td>FIN 2001</td>
<td>Business Finance</td>
<td>3</td>
</tr>
<tr>
<td>GEB 1011</td>
<td>Introduction to Business</td>
<td>3</td>
</tr>
<tr>
<td>GEB 2112</td>
<td>Entrepreneurship</td>
<td>3</td>
</tr>
<tr>
<td>MAR 2760</td>
<td>Entrepreneurial Marketing and Professional Selling</td>
<td>3</td>
</tr>
<tr>
<td>OST 2335C</td>
<td>Business Communication</td>
<td>3</td>
</tr>
<tr>
<td>QMB 1001</td>
<td>Business Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>SBM 2000</td>
<td>Small Business Management</td>
<td>3</td>
</tr>
</tbody>
</table>

#### Choose 1 accounting group:

- APA 1111C Office Accounting I 3
- and
- APA 1112C Office Accounting II Using QuickBooks 3
- or
- Choose 1 accounting group:
  - ACG 2021 Principles of Financial Accounting 3
  - and
  - ACG 2071 Principles of Managerial Accounting 3

#### Choose 1 BUL prefix course:

- BUL 2240 Legal Issues for Small Businesses 3
- BUL 2241 Business Law I 3

#### Choose 1 GEB prefix course:

- GEB 2350 Global Business 3
- GEB 2955 Travel Study in Business 3

### Elective Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ENT 2931</td>
<td>Selected Studies in Entrepreneurship</td>
<td>1</td>
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<tr>
<td>MAN 2604</td>
<td>Global Management</td>
<td>3</td>
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</tbody>
</table>
| Choose 6 credits from the following list: 6

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Generated on 12/14/2017
School of Business, Health and Public Safety

AS, Legal Assistant/Paralegal
Associate in Science
Major Code: LEGAL-AS CIP: 1722030200
Program Description

This American Bar Association (ABA) approved program is designed to prepare qualified persons to work under the supervision of attorneys. Our goal is to help students play essential roles as valuable members of legal teams in various settings including law firms, courts, corporations, financial institutions, non-profit organizations, and various government offices. Students receive academic instruction in a variety of legal areas and hands-on applications in a technology-enhanced environment. A variety of educational experiences which promote critical thinking and the development of specialized skills and professional ethical behavior are integrated throughout the curriculum. This diverse educational foundation prepares our graduates to meet the current and future requirements of the legal community we serve.

The required internship program provides students the opportunity to gain actual work experience in a legal setting. Students are encouraged to sit for one of the national certification exams, and are aided in their preparation through the curriculum, training, and experiences offered by the program. Specific courses may provide transfer opportunities to four-year institutions.

Note: Paralegals may not provide legal services directly to the public except as provided by law.

Profession

Paralegals and legal assistants provide critical support in law firms, courts, corporations, banks and government offices. Astute at managing multiple deadlines and intricate details, these professionals conduct research, prepare reports and assist lawyers with legal proceedings and business meetings.

Career Opportunities

Graduates of this program are employed in:
• Banks/trusts departments
• Corporations and businesses
• Courts
• Federal, state and local government offices
• Insurance companies

**Job Outlook**

Employment in this field is expected to grow by 22 percent (faster than average) through 2018 (Source: Bureau of Labor Statistics).

**Certifications**

The Accredited Legal Professional (DOE code TAFLP001) certification serves as the entry-level examination for those joining the legal support profession.

**Degree Transfer**

DirectConnect to UCF: The A.S. degree in Legal Assistant/Paralegal will transfer to the University of Central Florida's Bachelor of Arts or Bachelor of Science in Legal Studies if the following courses have also been completed:

- Principles of Economics (MICRO) or Principles of Economics (MACRO),
- One humanities General Education course (ARH 2050, ARH 2051, LIT 2120, PHI 2010, REL 2300 or THE 1020), and
- One mathematics General Education course (MAC 1105, MAC 1114, MAC 2233, MAC 2311, MAC 2312, MAC 2313 or MGF 1106).

Other options: Some A.S. degree courses also are transferrable to other four-year institutions

**Required Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>BUL 2241</td>
<td>Business Law I</td>
<td>3</td>
</tr>
<tr>
<td>CGS 2100C</td>
<td>Computer Applications</td>
<td>3</td>
</tr>
<tr>
<td>PLA 1003</td>
<td>Fundamental Law</td>
<td>3</td>
</tr>
<tr>
<td>PLA 1104</td>
<td>Legal Research and Writing I</td>
<td>3</td>
</tr>
<tr>
<td>PLA 2114</td>
<td>Legal Research and Writing II</td>
<td>3</td>
</tr>
<tr>
<td>PLA 2203</td>
<td>Civil Litigation I</td>
<td>3</td>
</tr>
<tr>
<td>PLA 2273</td>
<td>Torts</td>
<td>3</td>
</tr>
<tr>
<td>PLA 2600</td>
<td>Wills, Trusts and Estate Administration</td>
<td>3</td>
</tr>
<tr>
<td>PLA 2610</td>
<td>Real Property</td>
<td>3</td>
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<tr>
<td>PLA 2763</td>
<td>Law Office Management</td>
<td>3</td>
</tr>
<tr>
<td>PLA 2800</td>
<td>Family Law</td>
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</table>

**Choose 3 credits of Cooperative Education in Legal Studies from the following list:**

<table>
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<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>PLA 2941</td>
<td>Cooperative Education Internship in Legal Assisting</td>
<td>1</td>
</tr>
<tr>
<td>PLA 2942</td>
<td>Cooperative Education Internship in Legal Assisting</td>
<td>2</td>
</tr>
<tr>
<td>PLA 2949</td>
<td>Cooperative Education Internship in Legal Assisting</td>
<td>3</td>
</tr>
</tbody>
</table>

**Elective Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACG 2021</td>
<td>Principles of Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>APA 1111C</td>
<td>Office Accounting I</td>
<td>3</td>
</tr>
<tr>
<td>BUL 2242</td>
<td>Business Law II</td>
<td>3</td>
</tr>
<tr>
<td>ECO 2013</td>
<td>Principles of Economics (MACRO)</td>
<td>3</td>
</tr>
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<td>ECO 2023</td>
<td>Principles of Economics (MICRO)</td>
<td>3</td>
</tr>
<tr>
<td>PLA 2303</td>
<td>Criminal Litigation</td>
<td>3</td>
</tr>
<tr>
<td>PLA 2413</td>
<td>Intellectual Property</td>
<td>3</td>
</tr>
<tr>
<td>PLA 2730</td>
<td>Computer Assisted Legal Research</td>
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</tbody>
</table>
AS, Social Media and Marketing
Associate in Science

Major Code: MARSOC-AS  CIP: 1252140101

Program Description

This program prepares students for either employment in organizations and businesses (for-profit or not-for-profit) as marketing, advertising, and public relations managers or preparation for further education in the area of marketing. This program offers an optional social media specialization that provides the relevant technical knowledge and skills needed to prepare and manage a social media campaign for a business.

Required Courses  39

Choose 1 accounting group:

ACG 2021  Principles of Financial Accounting  3
and

ACG 2071  Principles of Managerial Accounting  3
or

APA 1111C  Office Accounting I  3
and

APA 1112C  Office Accounting II Using QuickBooks  3

Choose 1 legal studies course:

BUL 2240  Legal Issues for Small Businesses  3
or

BUL 2241  Business Law I  3

CGS 2100C  Computer Applications  3

GEB 1011  Introduction to Business  3

MAN 2021  Introduction to Management  3

MAR 2011  Marketing  3

OST 2335C  Business Communication  3

OST 2852C  Microsoft Excel  3

MAR 2760  Entrepreneurial Marketing and Professional Selling  3

DIG 1105C  Social Media Tools  3

MAR 1720  Social Media Research and Strategy  3

MAR 2723  Social Media Implementation  3

Elective Courses  6
Choose 6 credits from the following list:  

GEB 2112 Entrepreneurship 3
OST 2501 Administrative Office Management 3
MAR 2141 Global Marketing 3
MKA 2021 Principles of Selling 3
GEB### Any GEB prefix course
MAR### Any MAR prefix course

General Education Courses 15

ENC 1101 English I 3
SPC 1608 Introduction to Oral Communication 3
Humanities General Education course 3
Mathematics or Science General Education course 3
Social Science General Education course 3

Total Credits: 60.00

Supply Chain Management professionals are trained in the areas of planning, forecasting, purchasing, production, transportation, storage, distribution and keeping track of products as they flow toward you and other consumers. Supply Chain Managers are responsible for processing orders, managing warehouses, inventory control and critical decision making. With a combination of specific training in business and management, coupled with general education coursework, managers entering the workforce will be well rounded and prepared for success and advancement. When you receive your package from Amazon in just two days, that’s supply chain management at work!

Career Opportunities
Graduates of this program are qualified to be employed as supply chain managers, customer service managers, fulfillment supervisors and supply chain analysts. These careers can be found with successful manufacturing and production companies, service providers, government agencies and many other industries.

Job Outlook
Employment in this field is expected to grow by 4-26 percent through 2019. Continued demand for supply chain management professionals will lead to new openings for personnel in local organizations. (Source: Bureau of Labor Statistics)

College Credit Certificates
Students pursing this degree also may obtain the following college credit certificates:

• Business Operations Certificate
• Business Specialist Certificate
• Entrepreneurship Certificate
• Supply Chain Management Certificate

Degree Transfer
The following transfer options are available for A.S. Degree in Supply Chain Management graduates:

• Seminole State’s Bachelor of Science (B.S.) in Business and Information Management (BIM).
DirectConnect to UCF: The University of Central Florida’s Bachelor of Applied Science (B.A.S.)

Articulation

Students pursuing a Supply Chain Management degree or certificate with Seminole State College who hold an industry certification approved by the Global Logistics Associate American Society of Transportation and Logistics may be eligible to receive up to 12 articulated college credits.

Program Note

Seminole State’s Associate in Science (A.S.) degrees are designed to prepare graduates for immediate entry into their chosen career field and/or transfer into certain baccalaureate programs. Students planning to transfer to a college or university should consult with an academic advisor to ensure completion of all entry requirements for the baccalaureate program of their choice.

Placement and Salary Information

Visit Smart-College-Choices.com to access employment numbers and the estimated average, annual full-time wage for graduates of this program.

Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ACG 2021</td>
<td>Principles of Financial Accounting</td>
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<tr>
<td>ACG 2071</td>
<td>Principles of Managerial Accounting</td>
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</tr>
<tr>
<td>CGS 2100C</td>
<td>Computer Applications</td>
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<tr>
<td>GEB 1011</td>
<td>Introduction to Business</td>
<td>3</td>
</tr>
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<td>GEB 2350</td>
<td>Global Business</td>
<td>3</td>
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<tr>
<td>OST 2335C</td>
<td>Business Communication</td>
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<tr>
<td>MAN 2021</td>
<td>Introduction to Management</td>
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<tr>
<td>MAN 2043</td>
<td>Quality Management</td>
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<tr>
<td>MNA 2216</td>
<td>Inventory Management</td>
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Elective Courses

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<tbody>
<tr>
<td>MAN 2500</td>
<td>Operations Management</td>
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<tr>
<td>TRA 2010</td>
<td>Transportation and Logistics</td>
<td>3</td>
</tr>
<tr>
<td>TRA 2230</td>
<td>Warehouse Management</td>
<td>3</td>
</tr>
<tr>
<td>TRA 2131</td>
<td>Purchasing Management</td>
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General Education Courses

<table>
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<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ENC 1101</td>
<td>English I</td>
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<tr>
<td>ECO 2013</td>
<td>Principles of Economics (MACRO)</td>
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Mathematics General Education course (MAC 1105 is recommended for students wishing to pursue the B.S. in Business & Information Management)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Science General Education course</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

Total Credits: 60.00

Accounting Applications

Technical Certificate

Major Code: ACTAP-CC CIP: 0552030205

Program Description

This program is designed for students who intend to seek immediate employment in the field of...
Accounting. It is also beneficial for those individuals who are employed in the accounting field and need to advance their skills. Accounting skills are taught manually and through the use of accounting software. Students who complete this certificate gain employment as payroll assistants, accounts payable and receivable clerks, small office accounting assistants and full charge bookkeepers. This certificate is upward compatible with the A.S. degree, Administrative Office Management and the A.S. degree, Accounting Technology.

**Required Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>APA 1111C</td>
<td>Office Accounting I</td>
<td>3</td>
</tr>
<tr>
<td>APA 1112C</td>
<td>Office Accounting II Using QuickBooks</td>
<td>3</td>
</tr>
<tr>
<td>OST 1100C</td>
<td>Keyboarding and Document Processing</td>
<td>3</td>
</tr>
<tr>
<td>OST 2335C</td>
<td>Business Communication</td>
<td>3</td>
</tr>
<tr>
<td>OST 2713C</td>
<td>Microsoft Word I</td>
<td>3</td>
</tr>
<tr>
<td>OST 2852C</td>
<td>Microsoft Excel</td>
<td>3</td>
</tr>
<tr>
<td>QMB 1001</td>
<td>Business Mathematics</td>
<td>3</td>
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</table>

**Elective Courses**

Choose 6 credits from the following list:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACG 2021</td>
<td>Principles of Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ACG 2071</td>
<td>Principles of Managerial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ACG 2949</td>
<td>Cooperative Education Internship in Accounting</td>
<td>3</td>
</tr>
<tr>
<td>CGS 2100C</td>
<td>Computer Applications</td>
<td>3</td>
</tr>
<tr>
<td>GEB 1011</td>
<td>Introduction to Business</td>
<td>3</td>
</tr>
<tr>
<td>MAN 2949</td>
<td>Cooperative Education Internship in Business</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Credits:** 27.00

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**Accounting Operations**

**Technical Certificate**

**Major Code:** ACCOP-CC  CIP: 0552030203

**Program Description**

This program is designed to prepare students for entry-level positions or to provide supplemental training for persons previously or currently employed in accounting and business. The content introduces students to the process of data entry into accounting software programs and includes the preparation, presentation and analysis of financial reports. Accounting skills are taught manually and through the use of accounting software. This certificate is upward compatible with the A.S. degree, Administrative Office Management or the A.S. degree, Accounting Technology.

**Required Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>APA 1111C</td>
<td>Office Accounting I</td>
<td>3</td>
</tr>
<tr>
<td>APA 1112C</td>
<td>Office Accounting II Using QuickBooks</td>
<td>3</td>
</tr>
<tr>
<td>OST 1100C</td>
<td>Keyboarding and Document Processing</td>
<td>3</td>
</tr>
<tr>
<td>OST 2335C</td>
<td>Business Communication</td>
<td>3</td>
</tr>
<tr>
<td>OST 2713C</td>
<td>Microsoft Word I</td>
<td>3</td>
</tr>
<tr>
<td>OST 2852C</td>
<td>Microsoft Excel</td>
<td>3</td>
</tr>
<tr>
<td>QMB 1001</td>
<td>Business Mathematics</td>
<td>3</td>
</tr>
</tbody>
</table>
Accounting Specialist  Technical Certificate  
Major Code: ACCSP-CC  CIP: 0552030204

Program Description
This program is designed to prepare students for entry-level positions in accounting and business or to provide supplemental training for persons previously or currently employed. The content introduces students to the process of data entry into accounting software programs and includes the preparation, presentation and analysis of financial reports. Accounting skills are taught manually and through the use of accounting software. This certificate is upward compatible with the A.S. degree, Administrative Office Management or the A.S degree, Accounting Technology.

Required Courses
APA 1111C  Office Accounting I  3
OST 1100C  Keyboarding and Document Processing  3
OST 2335C  Business Communication  3
QMB 1001  Business Mathematics  3

Total Credits:  12.00

School of Business, Health and Public Safety

Associate in Science students completing the courses listed below are eligible for this certificate.

Required Courses
Choose 1 accounting course:

ACG 2021  Principles of Financial Accounting  3
or

APA 1111C  Office Accounting I  3
CGS 2100C  Computer Applications  3
GEB 1011  Introduction to Business  3
OST 2335C  Business Communication  3
OST 2852C  Microsoft Excel  3
QMB 1001  Business Mathematics  3

Total Credits:  18.00

Business Specialist  Technical Certificate  
Major Code: BUSSP-CC  CIP: 0552020103

Program Description
This program is designed to prepare students for employment in business environments and/or to provide supplemental training for students previously or currently employed in business occupations. The certificate is upward compatible with the A.S. degree, Business Administration.

Required Courses
Choose 1 accounting course:

ACG 2021  Principles of Financial Accounting  3
or

APA 1111C  Office Accounting I  3

Total Credits:  12.00

Business Operations  Technical Certificate  
Major Code: BUSOP-CC  CIP: 0552020104

Program Description
This program is designed to prepare students for employment in a variety of business environments and/or to provide supplemental training for persons previously or currently employed in business occupations.

The certificate is upward compatible with the A.S. degree, Business Administration. Associate in Arts and
Entrepreneurship
technical certificate

**Program Description**
This program is designed to teach students the fundamentals of starting and operating a business venture while presenting entrepreneurship as a viable career option. Coursework covers opportunity recognition, business planning, cash flow and financial management, market research including the professional marketing use of social media tools, e-commerce and how to understand accounting information.

The certificate is upward compatible with the AS degree, Business Administration and the AS degree, Entrepreneurship and Business Management.

**Required Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEB 1011</td>
<td>Introduction to Business</td>
<td>3</td>
</tr>
<tr>
<td>GEB 2112</td>
<td>Entrepreneurship</td>
<td>3</td>
</tr>
<tr>
<td>SBM 2000</td>
<td>Small Business Management</td>
<td>3</td>
</tr>
</tbody>
</table>

**Choose 1 accounting course:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACG 2021</td>
<td>Principles of Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>APA 1111C</td>
<td>Office Accounting I</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Credits:** 12.00

---

Entrepreneurship Operations
Technical Certificate

**Program Description**
This program is designed to prepare the student to launch an entrepreneurial venture. Coursework covers opportunity analysis and franchising, entrepreneurial marketing and professional selling techniques including the professional marketing use of social media tools, preparation of a business plan, financial statement preparation and analysis, sources of financing and the management of an entrepreneurial venture.

The certificate is upward compatible with the A.S. degree, Business Administration and the A.S. degree, Entrepreneurship and Business Management.

**Required Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>APA 1111C</td>
<td>Office Accounting I</td>
<td>3</td>
</tr>
<tr>
<td>APA 1112C</td>
<td>Office Accounting II Using QuickBooks</td>
<td>3</td>
</tr>
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</table>

**Choose 1 BUL course:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUL 2240</td>
<td>Legal Issues for Small Businesses</td>
<td>3</td>
</tr>
<tr>
<td>or</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BUL 2241</td>
<td>Business Law I</td>
<td>3</td>
</tr>
<tr>
<td>ENT 2172</td>
<td>Opportunity Analysis and Franchising</td>
<td>3</td>
</tr>
<tr>
<td>GEB 1011</td>
<td>Introduction to Business</td>
<td>3</td>
</tr>
<tr>
<td>GEB 2112</td>
<td>Entrepreneurship</td>
<td>3</td>
</tr>
<tr>
<td>MAR 2760</td>
<td>Entrepreneurial Marketing and Professional Selling</td>
<td>3</td>
</tr>
<tr>
<td>SBM 2000</td>
<td>Small Business Management</td>
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</tr>
</tbody>
</table>

**Elective Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>1</td>
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</tbody>
</table>

**Choose 1 credit from the following list:**
Financial Operations
Technical Certificate
Major Code: FINOP-CC CIP: 0552070308
Program Description
This program is designed to increase students’ accounting and economics knowledge. Associate in Arts and Associate in Science students completing the courses listed below are eligible for this certificate.

Required Courses 12

- ACG 2021 Principles of Financial Accounting 3
- ACG 2071 Principles of Managerial Accounting 3
- ECO 2013 Principles of Economics (MACRO) 3
- ECO 2023 Principles of Economics (MICRO) 3

Total Credits: 12.00

Financial Operations Specialist
Technical Certificate
Major Code: FINSP-CC CIP: 0552030203
Program Description
This program is designed to increase students’ accounting, economics, computer and statistical knowledge. Associate in Arts and Associate in Science students completing the courses listed below are eligible for this certificate.

Required Courses 18

- ACG 2021 Principles of Financial Accounting 3
- CGS 2100C Computer Applications 3
- ECO 2013 Principles of Economics (MACRO) 3
- ECO 2023 Principles of Economics (MICRO) 3
- STA 2023 Statistical Methods I 3

Total Credits: 18.00

Global Business
Technical Certificate
Major Code: BIB-CC CIP: 0552070101
Program Description
The purpose of this program is to introduce students to the factors that impact business operations conducted in the global marketplace. The student will be able to demonstrate knowledge of principles and practices of international business including:

- Understanding the role of strategic planning and the development of marketing strategies for the international marketplace;
- Describing strategies for opening foreign markets, including pure exporting, use of local distributors, global manufacturing, operating wholly-owned subsidiaries and foreign direct investment;
- Demonstrating an understanding of demographics, market segmentation and the selection of target markets as applied to the global business environment;
- Identifying and explaining the differences in international consumer and industrial buying habits;
- Understanding the impact of language, culture, religion and local government regulations on the conduct of international business;
- Understanding the complexity of product development, naming and pricing in the international environment; and
- Understanding the complexities of developing worldwide distribution systems and how they are affected by differing local laws, taxation and regulations.
Required Courses 24

Choose 1 accounting course:

ACG 2021  Principles of Financial Accounting 3

or

APA 1111C  Office Accounting I 3

Choose 1 BUL prefix course:

BUL 2240  Legal Issues for Small Businesses 3

or

BUL 2241  Business Law I 3

CGS 2100C  Computer Applications 3

GEB 1011  Introduction to Business 3

GEB 2350  Global Business 3

MAN 2021  Introduction to Management 3

MAR 2141  Global Marketing 3

MAN 2604  Global Management 3

Total Credits: 24.00

Management Technical Certificate
Major Code: BMGT-CC CIP: 0552070101
Program Description

The purpose of this program is to prepare students for employment in supervisory and management positions in a variety of business environments and/or to provide supplemental training for persons previously or currently employed in management occupations. The content includes instruction in planning, organizing, leading and controlling a business. Emphasis is placed on selected theories of management and decision-making and the knowledge
and understanding necessary for managing people and functions. Students will be able to demonstrate knowledge of principles and practices of management including:

- Understanding the need for management skills in all kinds of organizations;
- Describing the three basic levels of management and types of positions associated with each;
- Identifying and distinguishing strategic, operational and tactical plans;
- Defining an organization’s vision and mission;
- Identifying and describing various planning activities, including goal-setting, budgeting and establishing policies and procedures;
- Describing and providing applications of the process of rational decision-making;
- Defining and giving examples of coordination, authority, power, responsibility, accountability and span of management; and
- Defining the process of managerial control.

This certificate is upward compatible with the A.S. degree, Business Administration and the A.S. degree, Entrepreneurship and Business Management.

### Marketing Technical Certificate

**Major Code: BMAR-CC CIP: 0552070101**

**Program Description**

The purpose of this program is to prepare students for employment in marketing positions in a variety of business environments and/or to provide supplemental training for persons currently employed in marketing occupations. Content includes the four P’s of marketing: price, product, place (distribution) and promotion of a business. Emphasis is on selected theories of marketing, sales, advertising/promotion and e-Business. Students will be able to demonstrate knowledge of the following marketing principles:

- Understanding products and markets;
- Utilizing available sources to obtain product knowledge and perform market research via the Internet;
- Creating a marketing plan;
- Explaining the use of goods classification and life cycle analyses as planning tools for marketing;
- Performing market segmentation;
- Developing and modifying marketing mixes for a business;
- Identifying target markets;
- Evaluating marketing activities; and
- Describing the techniques for sales and promotions.

This certificate is upward compatible with the A.S. degree, Business Administration and the A.S. degree, Entrepreneurship and Business Management.

### Required Courses

**Total Credits: 24.00**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAN 2021</td>
<td>Introduction to Management</td>
<td>3</td>
</tr>
<tr>
<td>MAN 2300</td>
<td>Human Resources Management</td>
<td>3</td>
</tr>
<tr>
<td>MAN 2604</td>
<td>Global Management</td>
<td>3</td>
</tr>
<tr>
<td>SBM 2000</td>
<td>Small Business Management</td>
<td>3</td>
</tr>
</tbody>
</table>

**Choose 1 accounting course:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACG 2021</td>
<td>Principles of Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>or</td>
<td></td>
<td></td>
</tr>
<tr>
<td>APA 1111C</td>
<td>Office Accounting I</td>
<td>3</td>
</tr>
</tbody>
</table>

**Choose 1 BUL prefix course:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUL 2240</td>
<td>Legal Issues for Small Businesses</td>
<td>3</td>
</tr>
<tr>
<td>or</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BUL 2241</td>
<td>Business Law I</td>
<td>3</td>
</tr>
<tr>
<td>GEB 1011</td>
<td>Introduction to Business</td>
<td>3</td>
</tr>
<tr>
<td>GEB 2350</td>
<td>Global Business</td>
<td>3</td>
</tr>
</tbody>
</table>
Office Management
Technical Certificate
Major Code: OSS-CC CIP: 0552020401

Program Description
This program is designed to prepare students for employment in an office environment using today’s technology. It also prepares students to assume managerial responsibilities. This certificate is upward compatible with the A.S. degree, Administrative Office Management.

Required Courses
- APA 1111C Office Accounting I 3
- CGS 2100C Computer Applications 3
- ENT 2172 Opportunity Analysis and Franchising 3
- GEB 2112 Entrepreneurship 3
- GEB 2350 Global Business 3
- GEB 2930 Selected Studies in Business 3
- GEB 2931 Selected Studies in Business 1
- GEB 2955 Travel Study in Business 3
- MAN 2941 Cooperative Education Internship in Business 1
- MAN 2942 Cooperative Education Internship in Business 2
- MAN 2949 Cooperative Education Internship in Business 3
- OST 2794 Internet Research for Business 3
- OST 2852C Microsoft Excel 3

Elective Courses
- OST 1108C Advanced Keyboarding & Document Processing 3
- OST 1355C Records Management and Legal Implications 3
- OST 2717C Microsoft Word II 3
- OST 2794 Internet Research for Business 3
- OST 2821C Microsoft Publisher 3
- OST 2826C Microsoft PowerPoint 3
- OST 2836C Microsoft Access 3

Total Credits: 24.00
Office Specialist
Technical Certificate
Major Code: OSPCL-CC CIP: 0552040704
Program Description
This program is designed to prepare students for employment in an office environment. Students acquire the knowledge and skills to produce correspondence and perform accounting applications. This certificate is upward compatible with the A.S. degree, Administrative Office Management or the A.S. degree, Accounting Technology.

Required Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>APA 1111C</td>
<td>Office Accounting I</td>
<td>3</td>
</tr>
<tr>
<td>CGS 2100C</td>
<td>Computer Applications</td>
<td>3</td>
</tr>
<tr>
<td>OST 1100C</td>
<td>Keyboarding and Document Processing</td>
<td>3</td>
</tr>
<tr>
<td>OST 2335C</td>
<td>Business Communication</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credits: 18.00

Small Business Management
Technical Certificate
Major Code: BSBM-CC CIP: 0552070101
Program Description
This program prepares students for the management and/or ownership of a small business. The content includes instruction in the planning, organizing, leading and controlling of a small business. Emphasis is placed on selected theories of small business management and decision-making and the knowledge and understanding necessary for managing people and functions. Students will be able to demonstrate knowledge of principles and practices of small business management including:

- Defining and understanding the basic management functions of planning, leadership, organizing, staffing and motivating a small business work team;
- Demonstrating an understanding of the fundamental legal issues facing small business owners;
- Describing and implementing an accounting system;
- Understanding and applying the principles of budgeting and cash management in the small business environment;
- Understanding the sources of financing available for the small business;
- Understanding how to advertise, market and sell products and services;
- Demonstrating an understanding of decision-making, evaluation and the importance and mechanics of writing a business plan;

Required Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>APA 1111C</td>
<td>Office Accounting I</td>
<td>3</td>
</tr>
<tr>
<td>CGS 2100C</td>
<td>Computer Applications</td>
<td>3</td>
</tr>
<tr>
<td>OST 1100C</td>
<td>Keyboarding and Document Processing</td>
<td>3</td>
</tr>
<tr>
<td>OST 2335C</td>
<td>Business Communication</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credits: 12.00
• Evaluating the advantages and disadvantages of the three major forms of business ownership (sole proprietorship, partnership and corporation); and
• Understanding the challenges of family or home-based businesses.

This certificate is upward compatible with the A.S. degree, Business Administration and the A.S. degree, Entrepreneurship and Business Management.

Required Courses

Choose 1 BUL prefix course:

BUL 2240 Legal Issues for Small Businesses 3
or
BUL 2241 Business Law I 3

Choose 1 accounting course:

ACG 2021 Principles of Financial Accounting 3
or
APA 1111C Office Accounting I 3
ENT 2172 Opportunity Analysis and Franchising 3
GEB 1011 Introduction to Business 3
GEB 2112 Entrepreneurship 3
MAR 2760 Entrepreneurial Marketing and Professional Selling 3
SBM 2000 Small Business Management 3

Elective Courses

Choose 3 credits from the following list:

APA 1112C Office Accounting II Using QuickBooks 3
CGS 2100C Computer Applications 3

Total Credits: 24.00

Supply Chain Management
Technical Certificate
Major Code: SCMGT-CC CIP: 0652020901

Program Description
This program is designed to prepare students for initial employment in an occupation within the broad range of Supply Chain Management disciplines, or to provide supplemental training for persons currently employed with this field. The content includes but is not limited to related business and accounting practices such as: standard operating procedures, negotiation techniques, planning, organizing, logistical concepts,
purchasing, and inventory control theory and techniques. Emphasis is placed on the development of business and managerial skills necessary for the efficient and effective performance of all operations within an organization’s supply chain.

**Required Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAN 2500</td>
<td>Operations Management</td>
<td>3</td>
</tr>
<tr>
<td>TRA 2010</td>
<td>Transportation and Logistics</td>
<td>3</td>
</tr>
<tr>
<td>TRA 2230</td>
<td>Warehouse Management</td>
<td>3</td>
</tr>
<tr>
<td>MAN 2043</td>
<td>Quality Management</td>
<td>3</td>
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<tr>
<td>TRA 2131</td>
<td>Purchasing Management</td>
<td>3</td>
</tr>
<tr>
<td>MNA 2216</td>
<td>Inventory Management</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Credits:** 18.00

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**AS, Early Childhood Education**

**Associate in Science**

**Major Code:** CHLDD-AS  CIP: 1413121004

**Program Description**

Seminole State’s Associate in Science (A.S.) degree in Early Childhood Education explores the field’s historical, philosophical, political and theoretical best practices. Students gain the skills and techniques required to support the emotional, physical, language and cognitive development of children from newborn to 8 years of age. The program was the first in Florida to receive accreditation from the National Association for the Education of Young Children (NAEYC).

**Profession**

Early education professionals play a critical role in the growth and development of the children they serve. In this challenging, yet rewarding role, they ensure children enjoy age-appropriate academic programs and quality enrichment in a caring, nurturing and safe learning environment.

**Job Outlook**

Due to state-mandated adjustments in student-teacher ratios and increases in enrollment, employment in this field is expected to grow by 25 percent (faster than average) through 2020 (Source: Bureau of Labor Statistics).

**College Credit Certificates**

Students pursuing this degree also may obtain the following college credit certificates:

- Child Care Center Management Specialization
- Early Childhood Education—Early Intervention Specialist Certificate
- Early Childhood Education Infant/Toddler Specialization
- Early Childhood Education Preschool Specialization
- Educational Assisting Certificate

**Degree Transfer**

Graduates of the A.S. Degree in Early Childhood Education have these transfer options:

- DirectConnect to UCF: Bachelor of Science (B.S.), Early Childhood Development and Education, Early Childhood Careers track at the University of Central Florida
- Bachelor of Science (B.S.) in Education with a concentration in Child Development at Nova Southeastern University

**Program Note**

Seminole State’s Associate in Science (A.S.) degrees are designed to prepare graduates for immediate entry into their chosen career field and/or transfer into certain baccalaureate programs. Students planning to transfer to a college or university should consult with an academic advisor to ensure completion of all entry requirements for the baccalaureate program of their choice.

**Placement and Salary Information**

Visit Smart-College-Choices.com to access employment numbers and the estimated average, annual full-time wage for graduates of this program.
<table>
<thead>
<tr>
<th>Required Courses</th>
<th>30</th>
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</thead>
<tbody>
<tr>
<td>ARE 2000 Art and Creative Expression</td>
<td>3</td>
</tr>
<tr>
<td>EEC 1000 Child Growth and Development</td>
<td>3</td>
</tr>
<tr>
<td>EEC 1603 Child Guidance</td>
<td>3</td>
</tr>
<tr>
<td>EEC 1941 Early Childhood Practicum</td>
<td>3</td>
</tr>
<tr>
<td>EEC 2200 Educational Practices in Early Childhood Education</td>
<td>3</td>
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<tr>
<td>EEC 2401 Families and Community</td>
<td>3</td>
</tr>
<tr>
<td>EEC 2702 Infant Toddler Development</td>
<td>3</td>
</tr>
<tr>
<td>EEC 2732 Health, Safety and Nutrition for Young Children</td>
<td>3</td>
</tr>
<tr>
<td>MUE 2010 Music and Movement</td>
<td>3</td>
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<tr>
<td><strong>Choose one:</strong></td>
<td></td>
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<tr>
<td>CHD 2330 Early Literacy for Young Children</td>
<td>3</td>
</tr>
<tr>
<td>or</td>
<td></td>
</tr>
<tr>
<td>EEC 2262 Curriculum Activities in Early Childhood</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Elective Courses</th>
<th>15</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Choose 15 credits from the following list:</strong></td>
<td>15</td>
</tr>
<tr>
<td>CHD 2330 Early Literacy for Young Children</td>
<td>3</td>
</tr>
<tr>
<td>EDF 2005 Introduction to the Teaching Profession</td>
<td>3</td>
</tr>
<tr>
<td>EDF 2085 Introduction to Diversity for Educators</td>
<td>3</td>
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<tr>
<td>EEC 1002 Professional Techniques in Early Childhood Education</td>
<td>1</td>
</tr>
<tr>
<td>EEC 1006 Montessori Philosophy of Education</td>
<td>3</td>
</tr>
<tr>
<td>EEC 1011 Professionalism in Early Childhood Education</td>
<td>2</td>
</tr>
<tr>
<td>EEC 1523 Child Care Management</td>
<td>3</td>
</tr>
<tr>
<td>EEC 1601 Observing and Recording Behavior</td>
<td>3</td>
</tr>
<tr>
<td>EEC 2202 Child Care and Education Programming</td>
<td>3</td>
</tr>
<tr>
<td>EEC 2262 Curriculum Activities in Early Childhood</td>
<td>3</td>
</tr>
<tr>
<td>EEC 2521 Child Care and Educational Organization Leadership and Management</td>
<td>3</td>
</tr>
<tr>
<td>EEC 2527 Childcare Education Financial and Legal Issues</td>
<td>3</td>
</tr>
<tr>
<td>EEC 2930 Selected Studies in Early Childhood Education</td>
<td>3</td>
</tr>
<tr>
<td>EEC 2949 Cooperative Education Internship in Early Childhood Management</td>
<td>3</td>
</tr>
<tr>
<td>EEX 2013 Inclusion and Special Needs in Early Childhood Education</td>
<td>3</td>
</tr>
<tr>
<td>EME 2040 Introduction to Technology for Educators</td>
<td>3</td>
</tr>
<tr>
<td>ENC 1102 English II</td>
<td>3</td>
</tr>
<tr>
<td>BSC 1005 Concepts of Biology</td>
<td>3</td>
</tr>
<tr>
<td>SYG 2010 Social Problems</td>
<td>3</td>
</tr>
<tr>
<td><strong>General Education Courses</strong></td>
<td>15</td>
</tr>
<tr>
<td>ENC 1101 English I</td>
<td>3</td>
</tr>
<tr>
<td>PSY 2012 General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>SPC 1608 Introduction to Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td>Humanities General Education course</td>
<td>3</td>
</tr>
<tr>
<td>Mathematics or Science General Education course</td>
<td>3</td>
</tr>
</tbody>
</table>
Child Care Center Management Specialization
Technical Certificate
Major Code: CHLDM-CC CIP: 0419070906
Program Description
This 12-credit-hour certificate program includes the series of courses required of those who wish to complete the college credit requirements to become a child care center director in the state of Florida. The Department of Children and Families requires that all center directors have certain educational qualifications to hold the position of director for a licensed center or family day-care home. The requirements of this certificate meet the educational criteria designed at Seminole State to help students complete the necessary educational requirements. This certificate is upward compatible with the A.S. degree, Early Childhood Education.

Required Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEC 1000</td>
<td>Child Growth and Development</td>
<td>3</td>
</tr>
<tr>
<td>EEC 1523</td>
<td>Child Care Management</td>
<td>3</td>
</tr>
<tr>
<td>EEC 2200</td>
<td>Educational Practices in Early Childhood Education</td>
<td>3</td>
</tr>
</tbody>
</table>

Choose 3 credits from the following list:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEC 1601</td>
<td>Observing and Recording Behavior</td>
<td>3</td>
</tr>
<tr>
<td>EEC 1603</td>
<td>Child Guidance</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credits: 12.00

Early Childhood Education - Early Intervention Specialist
Technical Certificate
Major Code: EINSP-CC CIP: 0419070904
Program Description

The Child Development Program offers a planned sequence of courses leading to the Child Development Early Intervention Certificate. This college credit certificate program is designed for persons interested in becoming paraprofessionals who work with young children with disabling conditions and their families. Additionally, this program of study will prepare staff in early care and education centers with information on how to provide a developmentally appropriate program for infants, toddlers and preschool children with special needs. This certificate may be applied toward the A.S. Degree, Early Childhood Education.

Required Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARE 2000</td>
<td>Art and Creative Expression</td>
<td>3</td>
</tr>
<tr>
<td>EEC 1000</td>
<td>Child Growth and Development</td>
<td>3</td>
</tr>
<tr>
<td>EEC 1603</td>
<td>Child Guidance</td>
<td>3</td>
</tr>
<tr>
<td>EEC 1941</td>
<td>Early Childhood Practicum</td>
<td>3</td>
</tr>
<tr>
<td>EEC 2200</td>
<td>Educational Practices in Early Childhood Education</td>
<td>3</td>
</tr>
<tr>
<td>EEC 2401</td>
<td>Families and Community</td>
<td>3</td>
</tr>
<tr>
<td>EEC 2702</td>
<td>Infant Toddler Development</td>
<td>3</td>
</tr>
<tr>
<td>EEC 2732</td>
<td>Health, Safety and Nutrition for Young Children</td>
<td>3</td>
</tr>
<tr>
<td>EEX 2013</td>
<td>Inclusion and Special Needs in Early Childhood Education</td>
<td>3</td>
</tr>
<tr>
<td>MUE 2010</td>
<td>Music and Movement</td>
<td>3</td>
</tr>
</tbody>
</table>

Choose 6 credits from the following list:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHD 2330</td>
<td>Early Literacy for Young Children</td>
<td>3</td>
</tr>
<tr>
<td>EEC 1601</td>
<td>Observing and Recording Behavior</td>
<td>3</td>
</tr>
<tr>
<td>EEC 2262</td>
<td>Curriculum Activities in Early Childhood</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credits: 36.00
Early Childhood Education Infant/Toddler Specialization
Technical Certificate
Major Code: ECEIT-CC CIP: 0419070907

Program Description

This 12 credit hour certificate recognizes the completion of a series of courses needed by early childhood teachers who wish to complete the college-credit requirements for a staff credential to work in group care settings with children under the age of five. This certificate is upward compatible with the A.S. degree, Early Childhood Education.

Required Courses

12

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEC 1000</td>
<td>Child Growth and Development</td>
<td>3</td>
</tr>
<tr>
<td>EEC 2702</td>
<td>Infant Toddler Development</td>
<td>3</td>
</tr>
<tr>
<td>EEC 2732</td>
<td>Health, Safety and Nutrition for Young Children</td>
<td>3</td>
</tr>
</tbody>
</table>

Choose 3 credits from the following list:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEC 1601</td>
<td>Observing and Recording Behavior</td>
<td>3</td>
</tr>
<tr>
<td>EEC 1603</td>
<td>Child Guidance</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credits: 12.00

Early Childhood Education Preschool Specialization
Technical Certificate
Major Code: CHLDP-CC CIP: 0419070908

Program Description

This 12-credit-hour certificate program is part of the Early Childhood Associate Degree program that prepares students for entry into employment in a childcare center. This certificate offers a sequence of courses that provides a student with an understanding of developmentally appropriate practices in early childhood and relevant technical knowledge and skills needed for entry into the childcare profession. The student can use these courses as partial completion of the National CDA certificate.

Educational Assisting Technical Certificate
Major Code: EDAST-CC CIP: 0713150100

Program Description

This 15-credit-hour certificate prepares students for employment as educational paraprofessionals, instructional coordinators, substitute teachers and other positions that provide educational assistance in an instructional setting. It also provides supplemental training for persons currently employed in the occupation. This program focuses on broad, transferable skills and stresses understanding and demonstration of the following elements of public service: planning, management, technical and production skills, underlying principles of classroom technology, reading and learning strategies and methods and other educational issues. This certificate is upward compatible with the A.S. degree, Early Childhood Education.

Required Courses

15

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEC 1000</td>
<td>Child Growth and Development</td>
<td>3</td>
</tr>
<tr>
<td>EEC 1601</td>
<td>Observing and Recording Behavior</td>
<td>3</td>
</tr>
</tbody>
</table>
PSAVC, Early Childhood Professional (ECPC)
Post-Secondary Adult Vocational Certificate
Major Code: ECP COL-VC CIP: 0419070913
Program Description
This program prepares students who work with children 3 to 5 years old in a licensed childcare setting to provide quality care to young children. The program includes, but is not limited to, competencies related to planning of curriculum, health, safety and knowledge of developmentally appropriate practices. At the completion of the program, students receive a staff credential recognized by the Department of Children and Families. This program is equivalent to the National Child Development Associate (CDA).

Admission Requirements:
- Submit a completed Seminole State College application to the Admissions Office;
- Be employed in a licensed childcare setting working with children 3 to 5 years old (volunteering is not accepted);
- Submit proof of age (minimum 18 years of age);
- Provide official transcript(s) indicating successful completion of a standard high school diploma or equivalent;
- Provide documentation of 40-Hour Introductory Childcare Training Certification with 10-Hour DAP in Preschool;
- Complete a 5-Hour DCF Emergent Literacy course.

Students must complete the following requirements before an Early Childhood Professional Certificate (ECPC) is awarded:
- Complete 480 hours of documented work experience with children ages 5 years or younger in a licensed childcare setting by the end of the course;
- Having a passing grade of "C" or higher.

Total program hours: 80

Required Courses

HEV 0800 Early Childhood Professional Certificate (ECPC) 80

BS, Health Sciences
Bachelor of Science
Major Code: HS-BS CIP: 1105100001
Program Description
The Bachelor of Science in Health Sciences (BSHS) is an interdisciplinary completion program focused on career and academic advancement for current practitioners as well as to deliver a well-rounded generalist curriculum by providing the skills, competencies, and values needed to advance and professionally contribute to the evolving health care industry. The BSHS program will include five specialty tracks: Respiratory Therapy and Clinical Leadership, Health Coaching, Healthcare Management and Professional Services, Simulation in Healthcare Education, and Community Paramedic.

The curriculum includes a central core of health science courses that will allow students from different health care disciplines the opportunity to work and collaborate as an interdisciplinary team. Specialty elective courses will focus on content designed to further expand the student’s expertise in their chosen area of study.

Common Prerequisites (identifies courses students must complete to be be admitted to an upper-division program):
- Have a 2.0 or higher GPA in previous course work.
- Complete an associate degree from any regionally accredited institution. Degree requirements for the specializations are:
  - B.S.H.S. Respiratory Therapy and Clinical Leadership requires an Associate in Science
degree in the following areas from any regionally accredited institution:
- A.S. Respiratory Care (CIP 1351090800)
- A.S. Cardiovascular/Cardiopulmonary Technology (CIP 1351090100)

All other B.S.H.S. specialty tracks require an Associate in Science degree, or an Associate in Applied Science in a healthcare related area from a regionally accredited institution. Students with an awarded Associate in Arts degree from a regionally accredited institution may be required to complete 24 credits in lower division healthcare related coursework.

Program Admission

Respiratory Therapy and Clinical Leadership Specialization:

- Completion of an Associate degree from a regionally accredited institution.
- A GPA of 2.0 or higher.
- Completion of a CoARC accredited Respiratory Therapy program.
- Eligibility for licensure from the National Board for Respiratory Care and/or
- Licensed as a RRT from the National Board for Respiratory Care.

Community Paramedic Specialization:

- Completion of an Associate degree from a regionally accredited institution.
- A GPA of 2.0 or higher.
- Completion of a Florida Department of EMS approved paramedic program or
- Eligibility for certification as a Florida recognized paramedic or certified as a Florida recognized paramedic.

Note: Current Certification as a paramedic in Florida is required prior to any clinical rotations.

Healthcare Management and Professional Services, Health Coaching and Simulation in Healthcare Education Specializations:

- Completion of an Associate in Arts (AA) or bachelor’s degree from a regionally accredited institution OR
- Completion of an Associate in Science (AS) or Associate in Applied Science (AAS) from a regionally accredited institution in a health-related field* OR
- Completion of an Associate in Science (AS) or Associate in Applied Science (AAS) from a regionally accredited institution in a non-health-related field.
- A GPA of 2.0 or higher.

*An Associate of Science (AS) or an Associate in Applied Science (AAS) in a health-related field from a regionally accredited institution satisfies the Foundation requirements detailed in the Bachelor of Science (BS) Health Science degree program. Students with any other degree must complete the Foundation courses with a grade of “C” or higher.

Associate in Arts degree: Students entering with an AA degree from a regionally accredited institution will be required to complete the foundation courses listed for the degree. Some foundation courses may be waived if a student possesses a medical industry certificate. This certificate and official transcripts must be submitted to the Registrar’s office and reviewed by the department for consideration to the program.

Associate in Science or Associate in Applied Science, Health-related area: Students entering with an AS or AAS in a health-related area from a regionally accredited institution will be required to complete any additional general education courses to meet the 36 credit hour requirement within the different categories.

Associate in Science or Associate in Applied Science, Non-Health related area: Students entering with an AS or AAS in a non-health related area from a regionally accredited institution will be required to complete any additional general education courses to meet the 36 credit hour requirement within the different categories. This student will also be required to complete the “Foundation” courses as listed in the program plan.
**Please note:** Students who are required to participate in clinical rotations (Community Paramedic) or internships may be required to pass a criminal background check and/or drug screen as per the organization’s requirements.

### Required Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HSA 4553</td>
<td>Legal and Ethical Aspects in Healthcare</td>
<td>3</td>
</tr>
<tr>
<td>HSC 3661</td>
<td>Communications for Healthcare Professionals</td>
<td>3</td>
</tr>
<tr>
<td>HSC 4730</td>
<td>Health Sciences Research</td>
<td>3</td>
</tr>
<tr>
<td>HSC 4922</td>
<td>Capstone Project in Health Sciences</td>
<td>3</td>
</tr>
<tr>
<td>ECP 4530</td>
<td>Health Care Economics</td>
<td>3</td>
</tr>
<tr>
<td>HSA 3191</td>
<td>Health Information Systems</td>
<td>3</td>
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</tbody>
</table>

Choose 3 credits: MAN 3320 or MAN 3025

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAN 3320</td>
<td>Management of Strategic Human Resources</td>
<td>3</td>
</tr>
<tr>
<td>MAN 3025</td>
<td>Management of Organizations</td>
<td>3</td>
</tr>
</tbody>
</table>

**Note:** Students in the Healthcare Management and Professional Services Specialization should take MAN 3025 as part of the core.

### Technical Specialization Tracks

Choose 1 of the following specializations:

- Clinical Science Specialization
- Community Paramedic Specialization
- Health Coaching Specialization
- Healthcare Management and Professional Services Specialization
- Respiratory Therapy and Clinical Leadership Specialization
- Simulation in Healthcare Education Specialization

### Clinical Science Specialization

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HSA 3113</td>
<td>Healthcare Trends and Issues</td>
<td>3</td>
</tr>
<tr>
<td>HSC 4231</td>
<td>Client Education in Healthcare</td>
<td>3</td>
</tr>
</tbody>
</table>

### Technical Elective Courses

Foundation courses for the Clinical Science, Health Coaching, Healthcare Management and Professional Services, and Simulation in Healthcare Education Specializations:

- The following foundation courses are required for students who transfer into this baccalaureate program with an AA degree or an AS degree in a non-health related area: HSC 1000, HSC 1531, HSC 2400, HUN 1201 or higher level HUN course, HIM 1442, HIM 1453 or BSC 1020 or EMS 2010.
- Students transferring into this baccalaureate program with a health-related AS degree will be considered to have met this foundation requirement.

### Upper or Lower Division Electives

24 credits

### Community Paramedic Specialization

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EMS 4112</td>
<td>Introduction to Community Paramedic</td>
<td>3</td>
</tr>
<tr>
<td>EMS 4113C</td>
<td>Mobile Integrative Healthcare Delivery I</td>
<td>3</td>
</tr>
<tr>
<td>EMS 4114C</td>
<td>Mobile Integrative Healthcare Delivery II</td>
<td>3</td>
</tr>
<tr>
<td>EMS 4111</td>
<td>Advanced Practiced Paramedicine</td>
<td>3</td>
</tr>
</tbody>
</table>

Community Paramedic Foundation Courses: Any EMS, BSC, HSA, HSC, RET courses

### Health Coaching Specialization

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HSC 4694</td>
<td>Individual, Group and Worksite Health Promotion Programs</td>
<td>3</td>
</tr>
<tr>
<td>HSC 4231</td>
<td>Client Education in Healthcare</td>
<td>3</td>
</tr>
</tbody>
</table>
Foundation courses for the Health Coaching, Healthcare Management and Professional Services, and Simulation in Healthcare Education Specializations:

- The following foundation courses are required for students who transfer into this baccalaureate program with an AA degree or an AS degree in a non-health related area: HSC 1000, HSC 1531, HSC 2400, HUN 1201 or higher level HUN course, HIM 1442, HIM 1453 or BSC 1020 or EMS 2010.
- Students transferring into this baccalaureate program with a health-related AS degree will be considered to have met this foundation requirement.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PET 3551</td>
<td>Introduction to Exercise Science and Personal Training</td>
<td>3</td>
</tr>
<tr>
<td>PET 4093</td>
<td>Advanced Personal Training</td>
<td>3</td>
</tr>
<tr>
<td>HUN 4296</td>
<td>Nutrition for Health and Weight Management</td>
<td>3</td>
</tr>
<tr>
<td>HUN 3931</td>
<td>Special Topics in Health Coaching</td>
<td>3</td>
</tr>
</tbody>
</table>

Upper or Lower Division Electives 24

Technical Elective Courses 3

Respiratory Therapy and Clinical Leadership Specialization 12

- RET 3536 Cardiopulmonary Rehabilitation 3
- HSC 4555 Pathophysiology 3

Choose 3 credits: HSC 4404 or HSA 3383 3

- HSC 4404 Medical Disaster Management 3
- HSA 3383 Continuous Quality Monitoring and Accreditation 3

Choose 3 credits: RET 4277 or RET 4718 or RET 4285 3

- RET 4277 Adult Critical Care 3
- RET 4718 Neonatal Pediatric Critical Care 3
- RET 4285 Advanced Cardiopulmonary Medicine 3

Respiratory Foundation Courses: Any RET, BSC, EMS, HSA, HSC or HUN courses. 51

Simulation in Healthcare Education Specialization 21
HSC 4240 Trends and Theoretical Foundations in Healthcare Simulation 3
HSC 4032 Theory and Practice of Teaching Health Science 3
HSC 4245 Instructional Technologies in Healthcare Simulation 3
HSC 4244 Managing a Simulation Program or Center 3
HSC 4246C Simulation Operations 3

Foundation courses for the Health Coaching, Healthcare Management and Professional Services, and Simulation in Healthcare Education Specializations:

• The following foundation courses are required for students who transfer into this baccalaureate program with an AA degree or an AS degree in a non-health related area: HSC 1000, HSC 1531, HSC 2400, HUN 1201 or higher level HUN course, HIM 1442, HIM 1453 or BSC 1020 or EMS 2010.

• Students transferring into this baccalaureate program with a health-related AS degree will be considered to have met this foundation requirement.

Upper or Lower Division Electives 24
Technical Elective Courses 6

General Education Courses 36
Communications General Education courses 9
History General Education course 3
Humanities 6
Mathematics General Education courses 6
Social Science General Education courses 6

Total Credits: 120.00

AS, Clinical Pharmacy Technology
Associate in Science
Major Code: PHARMGT-AS CIP: 1351080502
Program Description

Seminole State’s Associate in Science (A.S.) degree in Clinical Pharmacy Technology expands on the curriculum of the Pharmacy Technician Applied Technology Diploma (ATD) to prepare students for careers as pharmacy technician specialists. Students can enroll directly into the A.S. degree program or transition from the diploma program.

Graduates are eligible to apply for the Pharmacy Technician Certification Board Examination (CPhT) and are prepared for employment in hospitals, long-term care facilities, pharmacies, drug manufacturers, wholesale drug houses and health maintenance organizations.

Profession

As the nation’s population ages, the medical community will increasingly rely on pharmaceutical professionals to support the demand for long-term healthcare. Under the general supervision of a licensed pharmacist, pharmacy specialists apply precise, technical skills to maintain supplies and records and assist with medication preparation, storage, distribution and disposal.

Career Opportunities

Graduates of this program have numerous employment options in healthcare facilities, government agencies and managed care organizations.

Job Outlook

Employment in this field is expected to grow by 21 percent (faster than average) through 2020 (Source: Bureau of Labor Statistics).

College Credit Certificates
Students may complete the following college credit Applied Technology Diploma (A.T.D.) as part of the Pharmacy Management A.S. degree:

- Pharmacy Technician

**Certifications**

Graduates of this program are qualified to earn the Pharmacy Technician (PTCBD001) industry certification.

**Placement and Salary Information**

Visit [Smart-College-Choices.com](http://Smart-College-Choices.com) to access employment numbers and the estimated average, annual full-time wage for graduates of this program.

**Program Admission**

All students enrolled in a Healthcare Professional program with a clinical or practicum component will be required to complete a full background check with drug/alcohol screen. Students are encouraged to review the clinical facility requirements prior to beginning their course work.

**Required Courses**

- PTN 1001 Introduction into Pharmacy Technology 3
- PTN 1121 Pharmacology I 3
- PTN 1122 Pharmacology II 3
- PTN 1124C Pharmacology III 3
- PTN 1131 Concepts in Pharmacy Technology 3
- PTN 1131L Concepts in Pharmacy Technology Lab 2
- PTN 1705C Pharmaceutics and Calculation 3
- PTN 1734C Pharmacy Operations 3
- PTN 1945C Pharmacy Technician Practicum I 4
- PTN 1947L Pharmacy Technician Applications 4

**Total Credits:** 55

**General Education Courses**

- ENC 1101 English I 3
- Mathematics General Education course 3
- Humanities General Education course 3
- Social Science General Education course 3
- Any General Education course 3

**Total Credits:** 15

**Choose 1 HUN prefix course from the following list:**

- HUN 1201 The Principles of Nutrition 3
- HUN 2202 Human Nutrition and Diet Therapy 3
- HSC 1531 Medical Terminology 3
- HIM 1453 Anatomy and Physiology 3

Note: BSC 1020, BSC 1084 or BSC 2093C and BSC 2094C may substitute for HIM 1453

**Total Credits:** 15

**Total Credits:** 70.00

**AS, Health Information Technology Associate in Science**

**Major Code:** HINFO-AS  CIP: 1351070700  
**Profession:**
Health Information Technology (HIT) professionals play a critical role in maintaining, collecting and analyzing the sensitive data doctors, nurses and other healthcare providers rely on to deliver quality medical care in hospitals, physicians’ offices and long-term care facilities. Insurance companies and government agencies also employ these professionals to manage patient health information and records, administer computer information systems and code diagnoses and procedures.

Program Description

Accredited by the Commission on Accreditation for Health Informatics and Information Management (CAHIIM) Education, Seminole State’s Associate in Science (A.S.) degree in Health Information Technology Program prepares students to utilize technology to collect, analyze, monitor, maintain and report health data. Graduates possess the skills required to process requests for patient health documents, code clinical information and review health data for clinical management, billing, reimbursement and compliance while protecting patient privacy. This program can be completed as a full-time or part-time student and is offered entirely online except for the capstone course, HIM 2943 Practicum Experience II, which requires a supervised professional practice experience in a healthcare setting.

Career Opportunities

Graduates of this program have numerous employment options in healthcare facilities, government agencies and managed care organizations. To learn more, visit hicareers.com.

Job Outlook

Employment in this field is expected to grow by 21 percent (faster than average) through 2020 (Source: Bureau of Labor Statistics).

College Credit Certificates

Students may complete the following college credit certificate as part of the Health Information Technology A.S. degree:

- Medical Information Coder/Biller

Degree Transfer

DirectConnect to UCF: Graduates of the A.S. degree in Health Information Technology who meet additional requirements are eligible to transfer to the University of Central Florida’s Bachelor of Science (B.S.) in Health Information Management. Students planning to transfer should review requirements of a “C” or higher in their discipline-specific courses. UCF also requires that students complete Financial Accounting and Managerial Accounting as prerequisite courses for the B.S. in HIM. However, these courses are not required for the A.S. in HIM degree at Seminole State.

Certifications

Graduates of this program are qualified to earn the following industry certifications:

- Certified Coding Associate (CCA), (AHIMA001)
- Certified Coding Specialist (CCS), (AHIMA002)
- Certified Coding Specialist - Physician-based (CCS-P), (AHIMA003)
- Certified Documentation Improvement Practitioner (CDIP)
- Certified Health Data Analyst (CHDA)
- Certified in Health Care Privacy & Security (CHPS), (AHIMA010)
- Registered Health Information Technician (RHIT), (AHIMA007)

Additional industry certifications may be available for college credit certificate programs.

Placement and Salary Information

Visit Smart-College-Choices.com to access employment numbers and the estimated average, annual full-time wage for graduates of this program.

Program Admission

All students enrolled in a Healthcare Professional program with a clinical or practicum component will be required to complete a full background check with drug/alcohol screening. Students are encouraged to review the clinical facility requirements prior to beginning their coursework.
## Required Courses

Students must complete all course work with grades of "C" or higher to graduate.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CGS 2100C</td>
<td>Computer Applications</td>
<td>3</td>
</tr>
<tr>
<td>CGS 2108C</td>
<td>Advanced Computer Applications</td>
<td>3</td>
</tr>
<tr>
<td>CGS 2545C</td>
<td>Database Management</td>
<td>3</td>
</tr>
<tr>
<td>HIM 1000</td>
<td>Introduction to Health Information Management</td>
<td>3</td>
</tr>
<tr>
<td>HIM 1451</td>
<td>Human Pathophysiology and Pharmacology</td>
<td>4</td>
</tr>
<tr>
<td>HIM 1453</td>
<td>Anatomy and Physiology</td>
<td>3</td>
</tr>
<tr>
<td>HIM 2012</td>
<td>Legal Aspects of Health Information</td>
<td>3</td>
</tr>
<tr>
<td>HIM 2211C</td>
<td>Computer Applications and Technologies in Healthcare</td>
<td>3</td>
</tr>
<tr>
<td>HIM 2214</td>
<td>Health Data Analysis Research and Management</td>
<td>3</td>
</tr>
<tr>
<td>HIM 2272</td>
<td>Advanced Reimbursement Principles of Healthcare Services</td>
<td>3</td>
</tr>
<tr>
<td>HIM 2292</td>
<td>Advanced Coding Applications</td>
<td>3</td>
</tr>
<tr>
<td>HIM 2510</td>
<td>Health Care Performance Improvement Practices</td>
<td>3</td>
</tr>
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<td>HIM 2940</td>
<td>Practicum Experience I</td>
<td>3</td>
</tr>
<tr>
<td>HIM 2512</td>
<td>Management of Health Information Operations</td>
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</tr>
<tr>
<td>HIM 2722C</td>
<td>Basic Disease Coding</td>
<td>3</td>
</tr>
<tr>
<td>HIM 2721C</td>
<td>Outpatient Coding and Electronic Physician Office</td>
<td>3</td>
</tr>
<tr>
<td>HIM 2943</td>
<td>Practicum Experience II</td>
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</tr>
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</table>

## General Education Courses

Students can satisfy the English Requirement with either ENC 1101 English I or ENC 1102 English II.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ENC 1101</td>
<td>English I</td>
<td>3</td>
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</table>

Humanities General Education course

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>INP 2002</td>
<td>Introduction to Industrial Psychology</td>
<td>3</td>
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</table>

Mathematics or Science General Education course

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
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<tr>
<td>Any</td>
<td>Any General Education course</td>
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## Recommended:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>SPC 1608</td>
<td>Introduction to Oral Communication</td>
<td>3</td>
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</table>

## Total Credits: 70.00

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### AS, Physical Therapist Assistant (PTA) Associate in Science

**Major Code:** PTA-AS  **CIP:** 1351080601

#### Program Description

Seminole State's Physical Therapist Assistant Associate in Science (A.S.) degree is accredited by the American Physical Therapy Association's Commission on Accreditation in Physical Therapy Education (CAPTE). Students accepted into this limited-access program complete lecture, lab and clinical experiences during a five-term, lock-step course sequence. Coursework emphasizes patient care, PT principals and procedures, neurological and orthopedic therapies and industry trends. Graduates are eligible for licensure after successfully passing the National Physical Therapy Exam and the State Laws and Rules Exam.

#### Profession

Physical therapist assistants (PTAs) play an important role in helping people regain their independence and
mobility following an illness or injury. An integral member of a rehabilitation team, PTAs work under the supervision of a physical therapist to help patients of all ages improve their quality of life by restoring physical function or preventing permanent disability. PTAs are responsible for implementing treatment protocols, teaching exercises, performing therapies and reporting client response to the physical therapist. In addition to direct patient care, they also assist with patient transport, preparation for treatments and maintenance of equipment.

**Career Opportunities**

Physical therapist assistants work in a variety of settings including acute and rehabilitation hospitals, private physical therapy offices, community health centers, outpatient and sports facilities, corporate or industrial health centers, research institutions, extended care facilities and schools, colleges and universities.

**Job Outlook**

The demand for PTAs continues to grow as the nation’s rising aging population lives a longer, more active lifestyle. Due to a nationwide shortage of PTAs, employment in this field is expected to grow by 45 percent (much faster than average) through 2020 (Source: Bureau of Labor Statistics).

**Certifications**

Graduates of this program are qualified to earn the Florida Physical Therapy Assistant, Florida Department of Health, (FDMQA018) industry certification.

**Placement and Salary Information**

Visit Smart-College-Choices.com to access employment numbers and the estimated average, annual full-time wage for graduates of this program.

**Program Admission**

This is a limited-access program. Candidates must:

- Apply and be accepted to Seminole State College and complete the Postsecondary Education Readiness Test (PERT) or equivalent, if necessary;
- Complete and submit appropriate documentation for a minimum of 20 hours of observation, volunteer service, or work experience in more than one type of physical therapy setting. More than 20 hours and two types of facilities are recommended and will be considered in the selection of candidates. Observation hours in excess of 100 will not be considered. Students can submit up to 100 hours from the last three years. At least 20 hours must be completed within one year of application submission deadline.
- Complete the TEAS® exam with a minimum Adjusted Individual Total Score of 59% (or scaled score of 422).
- Provide their MySeminoleState unofficial transcript to indicate an overall GPA of 2.5 or higher.
- Students from other accredited colleges (not Seminole State) must provide official transcripts for evaluation by the Office of Student Records. Once evaluation of transcripts is completed, it may be downloaded by logging into MySeminoleState.
- Submit the completed PTA Program application packet available on the PTA website by February 28 with all attachments: MySeminoleState unofficial transcripts, PTA Program Application Form and forms documenting work, volunteer or observation experience.
- All students enrolled in a Healthcare Professional program with a clinical or practicum component will be required to complete a full background check with drug/alcohol screening. Students are encouraged to review the clinical facility requirements prior to beginning their course work.

**Required Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHT 1000C</td>
<td>Introduction to Physical Therapy</td>
<td>2</td>
</tr>
<tr>
<td>PHT 1120</td>
<td>Functional Kinesiology</td>
<td>3</td>
</tr>
<tr>
<td>PHT 1120L</td>
<td>Functional Kinesiology Lab</td>
<td>2</td>
</tr>
<tr>
<td>PHT 1200</td>
<td>Basic Patient Care</td>
<td>2</td>
</tr>
<tr>
<td>PHT 1200L</td>
<td>Basic Patient Care Laboratory</td>
<td>2</td>
</tr>
<tr>
<td>PHT 1213</td>
<td>Physical Therapy Principles and Procedures</td>
<td>3</td>
</tr>
</tbody>
</table>
### AS, Respiratory Care Associate in Science

**Major Code: RESPR-AS CIP: 1351090800**

**Program Description**

Seminole State’s Associate in Science (A.S.) degree in Respiratory Care is accredited by the Commission on Accreditation for Respiratory Care (CoARC) 1248 Harwood Road, Bedford, TX 76021-4244; 817.283.2835.

Students accepted into this limited-access program study a broad range of subjects from basic sciences to advanced courses in cardiopulmonary physiology, critical care medicine and pediatrics. Additionally, required clinical experiences take place at area hospitals and extended-care facilities. Graduates are eligible to sit for the National Board for Respiratory Care examinations for Certified Respiratory Therapist (CRT) and Registered Respiratory Therapist (RRT).

**Profession**

Serving as vital members of a healthcare team, respiratory therapists (RTs) treat patients with breathing problems caused by pulmonary and cardiac disease. Applying scientific principles to identify, prevent and treat acute or chronic dysfunctions of the cardiopulmonary system, RTs work in acute, sub-acute and home care environments.

**Career Opportunities**

As the nation’s population ages and medical advances have improved treatments for lung and heart patients, the demand for qualified respiratory professionals has grown significantly. Respiratory Care Practitioners (RCPs) provide services in a variety of settings, including hospitals, emergency and trauma centers.
diagnostic laboratories, physician offices, pulmonary and cardiac rehabilitation centers and home care.

Job Outlook

Employment in this field is expected to grow by 28 percent (faster than average) from now until 2020. Continued growth in the aging population will lead to greater demand for respiratory therapy services and treatments, primarily in hospitals and nursing homes (Source: Bureau of Labor Statistics).

Certifications

Graduates of this program are qualified to earn the following industry certifications:

• Certified Respiratory Therapist (CRT), Florida Department of Health, (FDMQA018)
• Registered Respiratory Therapist (RRT), Florida Department of Health, (FDMQA02)
• Registered Respiratory Therapist (RRT), National Board for Respiratory Care, (NBFRC002)

Placement and Salary Information

Visit Smart-College-Choices.com to access employment numbers and the estimated average, annual full-time wage for graduates of this program.

Program Admission

This is a limited-access program. Candidates must:

• Apply and be accepted to Seminole State College;
• Complete the Postsecondary Education Readiness Test (PERT) or equivalent;
• Provide an official transcript(s) indicating successful completion of a standard high school diploma or equivalent;
• Submit a completed respiratory care application.

Respiratory applications are available on the Respiratory Care website and by attending a respiratory care information session. Dates of upcoming information sessions can be found on the respiratory care website.

All students enrolled in a Healthcare Professional program with a clinical or practicum component will be required to complete a full background check with drug/alcohol screening. Students are encouraged to review the clinical facility requirements prior to beginning their course work.

The Application Selection Process:

All applications must meet the following requirements to be considered:

• An overall GPA of 2.5 or higher;
• Successful completion of the following courses with a grade of ”C” or higher:
  ◦ BSC 2093C Anatomy and Physiology 1
  ◦ ENC 1101 English 1
  ◦ Eligible for College Algebra (through test scores or completion of prerequisite course(s)).

If applications meeting the above criteria are greater than the number of seats available in the program, applications will be prioritized into the following criteria:

Category 1:

• Successful completion of ALL of the required respiratory care General Education courses with a grade of "C“ or higher and an overall GPA of 2.5 or higher.

Category 2:

• Successful completion of requirements to be considered for admission (BSC 2093C, ENC 1101, and eligible for College Algebra) with a GPA of 2.5 or higher. The more General Education classes students complete, the more competitive they will be.

Applicants who have not completed all of the General Education courses must include a Plan of Completion form with their application.

Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>RET 1025C</td>
<td>Principles of Respiratory Care</td>
<td>4</td>
</tr>
<tr>
<td>RET 1264C</td>
<td>Principles of Mechanical Ventilation</td>
<td>4</td>
</tr>
<tr>
<td>RET 1275C</td>
<td>Clinical Care Techniques</td>
<td>6</td>
</tr>
</tbody>
</table>
School of Business, Health and Public Safety

Medical Information Coder/Biller Technical Certificate
Major Code: HINFO-CC CIP: 0351070714

Profession
This program prepares students for employment as Medical Coders and Health Insurance Specialists. The Medical Coder/Biller is responsible for assigning correct diagnostic and procedural codes based on medical documentation from patients’ medical records to provide the data for medical insurance reimbursement and compliance. This program offers simulated practice where students manually and electronically prepare insurance claims and experience hands-on training with practice management software and an electronic health record.

Program Description
Approved by the AHIMA Foundation Professional Certificate Approval Program, the Medical Information Coder/Biller program content is comprehensive, covering both inpatient and outpatient coding and documentation principles. This requires knowledge and abilities in anatomy and physiology, pathophysiology, pharmacology, computer software, reimbursement, health insurance, ethics, legal and regulatory requirements and health information management.

The program can be completed in as little as five semesters and is offered entirely online. Completion of the program will provide students with 37 college credits, which may be applied to the Health Information Technology Associate in Science degree at Seminole State College.

Students must have access to a computer with Internet capabilities while enrolled in the program. Computers with Internet access are available at all Seminole State campuses.

Certifications
Graduates of this program are qualified to earn the following industry certifications:
• American Academy of Professional Coders (AAPC)
• American Health Information Management Association (AHIMA)
• Certified Coding Associate (CCA)
• Certified Coding Specialist (CCS)
• Certified Coding Specialist-Physician-Based (CCS-P)
• Certified Professional Coder (CPC)
• Certified Professional Coder-Outpatient Hospital (CPC-H)

Program Admission

Candidates must apply and be accepted to Seminole State College. To begin major courses (for example, ICD-10-CM Coding) all prerequisite and supporting courses must be completed.

Career Opportunities

Graduates of this program have numerous employment opportunities in physician offices, healthcare facilities, government organizations, and managed care organizations. To learn more, visit hicareers.com.

Job Outlook

Employment in this field is expected to grow by 21 percent (faster than average) through 2020 (Source: Bureau of Labor Statistics).

Articulation

This certificate is upward compatible with the Associate in Science (A.S.) degree, Health Information Technology.

Required Courses

Students must complete all course work with grades of “C” or higher to graduate.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CGS 2100C</td>
<td>Computer Applications</td>
<td>3</td>
</tr>
<tr>
<td>HIM 1000</td>
<td>Introduction to Health Information Management</td>
<td>3</td>
</tr>
<tr>
<td>HIM 2940</td>
<td>Practicum Experience I</td>
<td>3</td>
</tr>
</tbody>
</table>

Pharmacy Technician
Technical Certificate
Major Code: PHARM-ATD CIP: 0351080503

Profession

Advances in the pharmaceuticals that support modern medical practices have produced a healthier, more active population that is living longer. Pharmacy technicians play an integral role in the distribution of those medicines. Technicians work under the supervision of licensed pharmacists to measure medications and ensure prescription accuracy. They also perform calculations, assist with investigational drug studies, maintain patient records, package medications and manage pharmacy inventory.

Program Description
Seminole State’s Pharmacy Technician Applied Technology Diploma Program emphasizes the basic technical skills, theoretical concepts and clerical functions required to operate as a pharmacy technician. Graduates are qualified to work under the direction of a licensed pharmacist in long-term care facilities, drug stores, drug manufacturers, wholesale drug houses and health maintenance organizations. They are also eligible to apply for the Pharmacy Technician Certification Board Examination (CPhT).

Career Opportunities

As the nation’s population ages, pharmacies are expanding their patient care services. As a result, the role of and demand for pharmacy technicians is increasing. With advanced training and experience, pharmacy technicians can obtain supervisory positions, seek specialization (e.g. oncology, nuclear pharmacy) and/or become a pharmacy specialist or a pharmacist. Technicians may also choose to pursue further studies in sterile products admixture, pharmacy automation and health information systems.

Job Outlook

Pharmacy technicians are in high demand. Employment in this field is expected to grow by 32 percent (much faster than average) from now until 2020 (Source: Bureau of Labor Statistics).

Articulation

This Applied Technology Diploma (A.T.D.) is upward compatible with Seminole State’s Associate in Science (A.S.) degree in Pharmacy Management.

Certifications

Graduates of this program are qualified to earn the following industry certifications:

- National Pharmacy Technician Certification, Institute for the Certification of Pharmacy Technicians, (COPT001)
- Pharmacy Technician, Pharmacy Technician Certification Board, (PTCBD001)

Placement and Salary Information

Visit Smart-College-Choices.com to access employment numbers and the estimated average, annual full-time wage for graduates of this program.

Program Admission

All students enrolled in a Healthcare Professional program with a clinical or practicum component will be required to complete a full background check with drug/alcohol screening. Students are encouraged to review the clinical facility requirements prior to beginning their course work.

Required Courses

<table>
<thead>
<tr>
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<th>Title</th>
<th>Units</th>
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<tbody>
<tr>
<td>HIM 1453</td>
<td>Anatomy and Physiology</td>
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Note: BSC 1020, BSC 1084 or BSC 2093C and BSC 2094C may substitute for HIM 1453

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<tr>
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<tbody>
<tr>
<td>PTN 1001</td>
<td>Introduction into Pharmacy Technology</td>
<td>3</td>
</tr>
<tr>
<td>PTN 1121</td>
<td>Pharmacology I</td>
<td>3</td>
</tr>
<tr>
<td>PTN 1122</td>
<td>Pharmacology II</td>
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</tr>
<tr>
<td>PTN 1131</td>
<td>Concepts in Pharmacy Technology</td>
<td>3</td>
</tr>
<tr>
<td>PTN 1131L</td>
<td>Concepts in Pharmacy Technology Lab</td>
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<td>PTN 1705C</td>
<td>Pharmaceutics and Calculation</td>
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<td>PTN 1734C</td>
<td>Pharmacy Operations</td>
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<td>PTN 1948C</td>
<td>Basic IV Infusion for Pharmacy Technology</td>
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<td>PTN 1947L</td>
<td>Pharmacy Technician Applications</td>
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<td>PTN 1945C</td>
<td>Pharmacy Technician Practicum I</td>
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Choose one:

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<tbody>
<tr>
<td>CGS 1060C</td>
<td>Introduction to Computers</td>
<td>3</td>
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<tr>
<td>CGS 2100C</td>
<td>Computer Applications</td>
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General Education Courses

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<th>Course Name</th>
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<tbody>
<tr>
<td>ENC 1101</td>
<td>English I</td>
<td>3</td>
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</table>

Total Credits: 40.00

AS, Nursing (RN)
Associate in Science
Major Code: RN-AS CIP: 1351380100

Program Description

Seminole State's Associate in Science (A.S.) degree in Nursing is accredited by the Accreditation Commission for Education in Nursing (ACEN) and the Florida Board of Nursing. Students accepted into this limited-access program study a broad range of subjects from sciences, nutrition and medical terminology to courses in medical-surgical, mental health, maternal-newborn and pediatric nursing. Additionally, required clinical experiences take place at area hospitals, extended-care facilities and community health organizations. Graduates are qualified to take the national licensure examination (NCLEX-RN) to practice as registered nurses. Students should be aware that acceptance to the College does not guarantee admission to the nursing program.

The Associate in Science degree in Nursing Generic ADN Track is accredited by the Accreditation Commission for Education in Nursing (ACEN), 3343 Peachtree Road NE, Suite 850, Atlanta, GA 30326, Phone: 404.975.5000, fax: 404.975.5020.

Profession

Nursing ranks as the nation's largest health career field. Registered nurses (RNs) practice in a variety of settings while providing compassionate care to patients who are ill, injured, convalescent or disabled. Nurses are dedicated to the health and well-being of patients of all ages, health and abilities, and often serve as advocates in the care of individuals and communities.

Career Opportunities

Licensed nurses are qualified to work in any state and, due to their high demand, often choose their positions, hours and employers. Salaries and employment opportunities continue to expand as the health care industry grows, particularly in Central Florida. Additionally, positions outside of the traditional hospital environment offer nurses versatility and flexibility.

Job Outlook

Employment in this field is expected to grow by 26 percent (faster than average) through 2020 due to the demands caused by technological advancements, an increased emphasis on preventative care and the large aging population (Source: Bureau of Labor Statistics).

Degree Transfer

Qualified students may complete their Bachelor of Science in Nursing (BSN) while pursuing their A.S. in Nursing through the UCF/Seminole State Concurrent Program. Graduates of the program who do not participate in the concurrent program may articulate courses into a Bachelor of Science in Nursing (BSN) program.

Certifications

- Registered Nurse (RN), Florida Department of Health
- Registered Nurse (RN), National Council of State Boards of Nursing

Placement and Salary Information

Visit Smart-College-Choices.com to access employment numbers and the estimated average, annual full-time wage for graduates of this program.

Program Admission

This is a limited-access program. Students begin the generic ADN program three times each year in August (Term I), in January (Term II), or in May (Term III). Interested persons must first be admitted to Seminole State before becoming eligible to apply to the nursing program. The dates for application may vary. Students should be aware that acceptance to the College does not guarantee admission to the nursing program. Provisional acceptance into the program is contingent
on satisfying Seminole State-mandated and various healthcare agencies’ requirements.

All students enrolled in a Healthcare Professional program with a clinical or practicum component will be required to complete a full background check with drug/alcohol screen. Students are encouraged to review the clinical facility requirements prior to beginning their course work.

The nursing program has specific requirements for admission. Candidates must:

- Apply and be accepted to Seminole State College;
- Complete the Postsecondary Education Readiness Test (PERT) or equivalent (SAT/ACT);
- Achieve a minimum adjusted individual total score of 78 percent on the Test of Essential Academic Skills (TEAS);
- Submit a disposition of any criminal offenses;
- Attain a grade of “C” or higher in all General Education course requirements. The recalculated GPA (prerequisite courses) must be 2.50 or higher. In accordance with College policy, the GPA will not be “rounded up.”
- Submit a Nursing Application Packet, with all requirements, for consideration for admission to the program. Incomplete application packets will not be considered.
- Students applying to the Concurrent AS-BSN program will receive priority admission to meet the Concurrent AS-BSN program enrollment. A select number of seats in each class will be reserved for applicants who only want to obtain the Associate in Science degree in Nursing.

Students are selected for admission to the nursing program based on the following criteria:

**Category 1:**
Successful completion of ALL of the required nursing General Education courses and elective courses with a prerequisite GPA of 3.50 or higher.

**Category 2:**
Successful completion of ALL of the required nursing General Education and elective courses with a prerequisite GPA of 3.00-3.49.

**Category 3:**
Successful completion of ALL of the required nursing General Education and elective courses with a prerequisite GPA of 2.50-2.99.

**Category 4:**
Students with outstanding pre or co-requisite courses, in the following order (completed General Education and elective courses must have a GPA of 2.50 or higher):

1. Applicants who have completed: ENC 1101, MAC 1105, BSC 2010C, PSY 2012, BSC 2093C, BSC 2094C, MCB 2010C, and DEP 2004 or Humanities
2. Applicants who have completed: ENC 1101, MAC 1105, BSC 2010C, PSY 2012, BSC 2093C, BSC 2094C, and DEP 2004 or Humanities
3. Applicants who have completed: ENC 1101, MAC 1105, BSC 2010C, PSY 2012, HUN 2202, BSC 2093C, and DEP 2004
4. Applicants who have completed: ENC 1101, MAC 1105, BSC 2010C, PSY 2012, HUN 2202, and BSC 2093C
5. Applicants who have completed: ENC 1101, MAC 1105, BSC 2010C, PSY 2012, and HUN 2202
6. Applicants who have completed: ENC 1101, MAC 1105, BSC 2010C, and PSY 2012

Applicants are given priority of admission within each sub-category based on:

- TEAS adjusted individual total score
- Cumulative GPA
- Completion of the Tech Prep Program (must show documentation in application packet)

All nursing courses feature Web-enhanced instruction. Students must have access to a computer with Internet capabilities while enrolled in the program.

**Required Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>NUR 1022C</td>
<td>Foundations of Nursing</td>
<td>5</td>
</tr>
</tbody>
</table>
Choose either HUN 2202 or HUN 1201 and HUN 2015:

HUN 2202 Human Nutrition and Diet Therapy 3

or

HUN 1201 The Principles of Nutrition 3

and

HUN 2015 Diet Therapy for Health Care Professionals 1

Total Credits: 72.00

AS, Criminal Justice Technology
Associate in Science
Major Code: CRIM-AS CIP: 1743010302
Program Description

Seminole State’s Associate in Science (A.S.) degree in Criminal Justice Technology provides graduates with a broad foundation in criminal justice studies, including criminal law, legal procedures, criminal evidence and criminology. Topics such as law enforcement, courts and corrections are also reviewed.

Profession

Criminal justice professionals are confident and skilled critical thinkers who risk their lives to uphold the law while they protect and serve their communities. They hold positions in corrections, private and corporate security and law enforcement departments.

Career Opportunities

Graduates of this program are qualified to pursue entry-level criminal justice positions in parole and probation, corrections and the court systems. They also are also eligible for roles in the private sector, including workplace security, private and insurance investigation and safety and security patrol.

Job Outlook
Employment in this field is expected to grow by 18 percent through 2020. Continued demand for public safety professionals will lead to new openings for personnel in local departments (Sources: Bureau of Labor Statistics).

**College Credit Certificates**

Students pursuing this degree also may obtain the following college credit certificates:

- Criminal Justice Law Enforcement Leadership Certificate
- Criminal Justice Technology Specialist Certificate
- Gang Investigations Certificate
- Homeland Security Certificate
- Homeland Security Specialist Certificate

Students who earn the Homeland Security or Gang Investigations certificate have successfully completed the required eight courses (24 credits) to gain area-specific training and enhance their level of community service.

**Articulation**

Graduates of Seminole State or any other Criminal Justice Standards and Training Commission (CJSTC) certified training academies (Law Enforcement, Corrections, or crossover) may be eligible to receive college-level credit that can be applied toward this degree program.

**Degree Transfer**

DirectConnect to UCF: The A.S. degree in Criminal Justice Technology will transfer to the University of Central Florida’s Bachelor of Applied Science (B.A.S.) in Criminal Justice. Some A.S. degree courses are also transferrable to other four-year institutions.

**Placement and Salary Information**

Visit [Smart-College-Choices.com](http://Smart-College-Choices.com) to access employment numbers and the estimated average, annual full-time wage for graduates of this program.

**Required Courses**  

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CCJ 1010</td>
<td>Introduction to Criminology</td>
<td>3</td>
</tr>
</tbody>
</table>

**Elective Courses**  

Choose 15 credits from the following list:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CCJ 1000</td>
<td>Introduction to Private Security</td>
<td>3</td>
</tr>
<tr>
<td>CCJ 1629</td>
<td>Introduction to Homicide</td>
<td>3</td>
</tr>
<tr>
<td>CCJ 2618</td>
<td>Evil Minds - Violent Predators</td>
<td>3</td>
</tr>
<tr>
<td>CCJ 2693</td>
<td>The Study of Sex Crimes</td>
<td>3</td>
</tr>
<tr>
<td>CJE 1640</td>
<td>Introduction to CSI</td>
<td>3</td>
</tr>
<tr>
<td>CJE 1686</td>
<td>Cybercrime</td>
<td>3</td>
</tr>
<tr>
<td>CJJ 2002</td>
<td>Juvenile Delinquency</td>
<td>3</td>
</tr>
<tr>
<td>PEM 2101</td>
<td>Conditioning</td>
<td>1</td>
</tr>
<tr>
<td>HSC 2400</td>
<td>First Aid and CPR</td>
<td>3</td>
</tr>
<tr>
<td>DSC 1002</td>
<td>Introduction to Terrorism</td>
<td>3</td>
</tr>
<tr>
<td>SLS 1101</td>
<td>College Success</td>
<td>3</td>
</tr>
<tr>
<td>MAT 1100</td>
<td>Mathematical Understanding and Applications</td>
<td>3</td>
</tr>
</tbody>
</table>
Any CCJ, CJC, CJE, CJJ, CJL, DSC or SLS prefix college credit course

### Gang Investigations - The following courses may be used to meet elective requirements:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CCJ 1512</td>
<td>Gangs and Terrorism</td>
<td>3</td>
</tr>
<tr>
<td>CCJ 2509</td>
<td>Introduction to Gangs and Crime</td>
<td>3</td>
</tr>
<tr>
<td>CCJ 2511</td>
<td>Intervention and Prosecution Techniques for Gangs</td>
<td>3</td>
</tr>
<tr>
<td>CCJ 2940</td>
<td>Practicum</td>
<td>3</td>
</tr>
<tr>
<td>CJC 2212</td>
<td>The Incarceration Connection</td>
<td>3</td>
</tr>
<tr>
<td>CJE 1177</td>
<td>Central America Gang Assessment</td>
<td>3</td>
</tr>
<tr>
<td>CJE 1204</td>
<td>Contemporary Topics in Gang Investigation</td>
<td>3</td>
</tr>
<tr>
<td>CJE 2262</td>
<td>Technology and Gang Intelligence Sharing</td>
<td>3</td>
</tr>
</tbody>
</table>

### Homeland Security - The following courses may be used to meet elective requirements:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>DSC 1002</td>
<td>Introduction to Terrorism</td>
<td>3</td>
</tr>
<tr>
<td>DSC 1004</td>
<td>National Emergency Response</td>
<td>3</td>
</tr>
<tr>
<td>DSC 1033</td>
<td>Weapons of Mass Destruction</td>
<td>3</td>
</tr>
<tr>
<td>DSC 1222</td>
<td>Psychology Management of Weapons of Mass Destruction Victims</td>
<td>3</td>
</tr>
<tr>
<td>DSC 1552</td>
<td>Critical Infrastructure Protection</td>
<td>3</td>
</tr>
<tr>
<td>DSC 1562</td>
<td>Homeland Security Threat Strategy</td>
<td>3</td>
</tr>
<tr>
<td>DSC 1631</td>
<td>Terrorism Response Planning</td>
<td>3</td>
</tr>
<tr>
<td>DSC 1751</td>
<td>Homeland Security and Law</td>
<td>3</td>
</tr>
</tbody>
</table>

### Law Enforcement Leadership - The following courses may be used to meet elective requirements:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CCJ 2053</td>
<td>Criminal Justice Ethics</td>
<td>3</td>
</tr>
<tr>
<td>CCJ 2452</td>
<td>Managing a Criminal Justice Organization</td>
<td>3</td>
</tr>
<tr>
<td>CCJ 2460</td>
<td>Introduction to Criminal Justice Supervision</td>
<td>3</td>
</tr>
<tr>
<td>CCJ 2482</td>
<td>The Public Face of Criminal Justice</td>
<td>3</td>
</tr>
<tr>
<td>CCJ 2732</td>
<td>Shaping the Future of Criminal Justice</td>
<td>3</td>
</tr>
</tbody>
</table>

### General Education Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101</td>
<td>English I</td>
<td>3</td>
</tr>
<tr>
<td>SPC 1608</td>
<td>Introduction to Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td>Humanities General Education course</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Mathematics or Science General Education course</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Social Science General Education course</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Any General Education course</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

### Recommended:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1102</td>
<td>English II</td>
<td>3</td>
</tr>
<tr>
<td>or</td>
<td>Mathematics or Science General Education course</td>
<td>3</td>
</tr>
</tbody>
</table>

If you choose an additional science course, courses must be from 2 areas

**Total Credits:** 60.00

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**AS, Emergency Medical Services (EMS) Associate in Science**

**Major Code:** EMS-AS  
**CIP:** 1351090402

**Program Description**
Seminole State’s Associate in Science (A.S.) degree in Emergency Medical Services combines medical theory studies with practical clinical and field internships. Graduates are prepared to assume the role of first responder, life-support provider and physician extender.

The program is fully accredited by the Committee on Accreditation of Allied Health Education Programs (CAAHEP) and the Florida Department of Health, Bureau of Emergency Medical Services.

Profession

Lives often depend on the quick reaction and competent care of emergency medical technicians (EMTs) and paramedics. Often the first to respond to medical emergencies, natural disasters and acts of terrorism, these emergency professionals apply split-second decision-making skills to assess and stabilize patients who are injured or sick and administer emergency medical care while transporting those patients to healthcare facilities.

Career Opportunities

Most emergency medical technicians and paramedics are hired by private services, fire departments, municipal/governmental organizations, or hospital-based ambulance companies. Paramedic specializations include tactical medicine with police departments, critical care inter-facility transport including aero-medical services, disaster management with technical rescue teams, primary health care with the federal prison system and industrial medicine in the oil and gas industry. Administrative, government, public health and education opportunities also are available.

Job Outlook

Employment in this field is expected to grow by 33 percent (much faster than average) through 2020. Continued demand for emergency medical technicians and paramedics will lead to new openings for personnel in local departments (Source: Bureau of Labor Statistics).

College Credit Certificates

Students pursuing this degree also may obtain the following college credit certificates:

- Emergency Medical Technician (EMT)
- Paramedic Technology (EMT-P)

Articulation

Students who hold Emergency Medical Technician-Basic (EMT-B) certification may receive 11 hours of college credit in the EMS A.S. Degree program upon proof of certification.

Degree Transfer

DirectConnect to UCF: Seminole State’s Emergency Medical Services A.S. degree is transferable to the University of Central Florida’s Bachelor of Applied Science (B.A.S.) degree.

Program Note

Seminole State’s Associate in Science (A.S.) degrees are designed to prepare graduates for immediate entry into their chosen career field and/or transfer into certain baccalaureate programs. Students planning to transfer to a college or university should consult with an academic advisor to ensure completion of all entry requirements for the baccalaureate program of their choice.

Certifications

Graduates of this program are qualified to earn the following industry certifications:

- Emergency Medical Technician-Basic (EMT), National Registry of Medical Technicians, (NREMT001).
- EMT-Basic, Florida Department of Health, (FDMQA007)
- JRC/EMS-Paramedic, Florida Department of Health, (FDMQA009)
- Paramedic (EMT-P), Florida Department of Health (FDMQA014)
- Paramedic, National Registry of Medical Technicians, (NREMT004.)
Placement and Salary Information

Visit Smart-College-Choices.com to access employment numbers and the estimated average, annual full-time wage for graduates of this program.

Required Courses 54

EMT Certificate 12

EMS 1119 Emergency Medical Technician 7
EMS 1119L EMT Laboratory 3
EMS 1431 EMT Clinical 2

Paramedic Certificate 42

EMS 2603 Paramedic I 4
EMS 2603L Paramedic I Laboratory 4
EMS 2604 Paramedic II 4
EMS 2604L Paramedic II Laboratory 4
EMS 2605 Paramedic III 4
EMS 2605L Paramedic III Laboratory 4
EMS 2659 Paramedic Field Internship 4
EMS 2666 Paramedic I Clinical 5
EMS 2667 Paramedic II Clinical 4
EMS 2668 Paramedic III Clinical 2

BSC 1020 Human Biology 3

Note: BSC 2093C and 2094C, BSC 1084 or EMS 2010 may substitute for BSC1020

Elective Courses 4

Choose 4 credits from the following list:

EMS 1335 Emergency Vehicle Operations 1
EMS 2931 Selected Studies In Emergency Medical Services 1
HSC 1531 Medical Terminology 3
MAT 1033 Intermediate Algebra 4
MAT 1100 Mathematical Understanding and Applications 3

Mathematics General Education course 3
Science General Education course 3
SLS 1101 College Success 3
Any SLS prefix college credit course

General Education Courses 15

ENC 1101 English I 3
SPC 1608 Introduction to Oral Communication 3
Humanities General Education course 3
Social Science General Education course 3
Mathematics or Science General Education course 3

Total Credits: 73.00

AS, Fire Science Technology
Associate in Science
Major Code: FIRE-AS CIP: 1743020112
Program Description

Seminole State's Associate in Science (A.S.) degree in Fire Science Technology is a comprehensive program that provides firefighters, fire officers and fire protection professionals a scientific understanding of tactical fire suppression techniques, fire-service leadership and fire prevention practices. The
accredited curriculum is designed to improve operational and administrative effectiveness while establishing a path for career advancement. Courses are available online.

**Fire and Emergency Services Higher Education (FESHE) Recognition**

The A.S. Fire Science program at Seminole State College has been recognized by FEMA, via the U.S. Fire Administration, as an official Fire and Emergency Services Higher Education (FESHE) institution. The FESHE recognition certificate is an acknowledgement that the A.S. Fire Science Technology degree program meets the minimum standards of excellence established by FESHE professional development committees and the National Fire Academy (NFA).

**Profession**

Firefighters apply highly specialized skills and techniques to protect the communities they serve. Often the first responders at a crisis scene, firefighters assess and address medical, vehicle and hazardous materials emergencies and provide natural disaster support. Fire science careers include roles as firefighters, fire investigators and fire inspectors with specializations in emergency management, homeland security and forensics.

**Career Opportunities**

In addition to community fire departments, graduates are qualified for government installations at airports and positions in private firefighting companies. They are also eligible for roles as fire inspectors, investigators, forest rangers and smoke jumpers.

**Job Outlook**

Employment in this field is expected to grow by nine percent between 2010 and 2020 (sources: Bureau of Labor Statistics).

**College Credit Certificates**

Students pursuing this degree may also obtain the Fire Officer I college credit certificate.

**Florida State Certifications**

The A.S. Fire Science Technology Program’s curriculum includes courses that meet state requirements to prepare students for certifications as a:

- Florida Certified Pump Operator
- Fire Instructor
- Fire Investigator
- Fire Officer
- Fire Safety Inspector

**Articulation**

Students who have completed previous Florida firefighter, fire officer or fire inspector training may be eligible for up to 33 articulated credits toward this program. Students must complete a minimum of 15 credits at Seminole State to qualify.

**Placement and Salary Information**

Visit [Smart-College-Choices.com](http://Smart-College-Choices.com) to access employment numbers and the estimated average, annual full-time wage for graduates of this program.

**Required Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>FFP 1505</td>
<td>Fire Prevention Practices</td>
<td>3</td>
</tr>
<tr>
<td>FFP 1540</td>
<td>Private Fire Protection Systems I</td>
<td>3</td>
</tr>
<tr>
<td>FFP 1612</td>
<td>Fire Behavior and Combustion</td>
<td>3</td>
</tr>
<tr>
<td>FFP 1702</td>
<td>Principles of Emergency Services</td>
<td>3</td>
</tr>
<tr>
<td>FFP 2109</td>
<td>Occupational Safety and Health for the Fire Service</td>
<td>3</td>
</tr>
<tr>
<td>FFP 2120</td>
<td>Building Construction for the Fire Service</td>
<td>3</td>
</tr>
<tr>
<td>FFP 2950</td>
<td>Fire Science Capstone</td>
<td>3</td>
</tr>
</tbody>
</table>

**Elective Courses**

Choose 24 credits from the following list:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>FFP 1000</td>
<td>Introduction to Firefighting</td>
<td>9</td>
</tr>
</tbody>
</table>
### Criminal Justice Law Enforcement Leadership Technical Certificate

**Major Code:** CJLEADR-CC  CIP: 0743010304

**Program Description**

This program provides currently employed Florida Department of Law Enforcement certified law enforcement officers advanced leadership knowledge and skills. The certificate is upward compatible with the A.S. degree, Criminal Justice Technology.

#### Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CCJ 2053</td>
<td>Criminal Justice Ethics</td>
<td>3</td>
</tr>
<tr>
<td>CCJ 2452</td>
<td>Managing a Criminal Justice Organization</td>
<td>3</td>
</tr>
<tr>
<td>CCJ 2460</td>
<td>Introduction to Criminal Justice Supervision</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Credits:** 24
Emergency Medical Technician (EMT) Technical Certificate
Major Code: EMT-CC CIP: 0351090415
Program Description
This is a one-semester (12 credits) program of classroom lecture, practical skill laboratory and patient clinical experience designed to prepare students for employment as Emergency Medical Technicians (EMTs). The practical skill laboratory (3 credits) includes application practice and performance evaluation in simulated patient care situations. The clinical application (2 credits) provides patient care opportunities with pre-hospital emergency care providers and in-hospital settings.

The curriculum encompasses the U.S. Department of Transportation’s National Standard Curriculum for the EMT and meets the requirements of the Florida Department of Bureau of Emergency Medical Services. All EMT students must submit a national criminal background check and complete the PERT examination prior to acceptance into the program. Students must not have been convicted of a crime as listed in the EMS student handbook, which is available in the EMS Department. EMS 1119, EMS 1119L and EMS 1431 must all be completed during the same term. Successful completion of EMS 1119, EMS 1119L and EMS 1431, with an overall grade of “C” (80 percent) in each course, qualifies students to complete the National Registry Certification Examination and the Florida EMT Certification.

This is a limited-access program. Candidates must:

- Apply and be accepted to Seminole State College;
- Submit a completed EMS/EMT Program Application Form;
- Submit proof of age (minimum 18 years of age);
- Provide official transcripts indicating successful completion of a standard high school diploma or equivalent;
- Attend a mandatory information session and orientation; and
- Complete or be exempt from the Postsecondary Education Readiness Test (PERT).

This certificate is upward compatible with the A.S. degree, Emergency Medical Services (EMS).
Required Courses

EMS 1119  Emergency Medical Technician  7
EMS 1119L EMT Laboratory  3
EMS 1431  EMT Clinical  2

Total Credits:  12.00

Fire Officer Supervisor
Technical Certificate
Major Code: FROFSP-CC CIP: 0743020111

Program Description
The Fire Officer Supervisor program is designed to incorporate leadership, management and tactical firefighting theories for those pursuing a career as a fire officer. The foundation of this program is based on the National Fire Protection Association (NFPA) 1021 Standard for Fire Officer Professional Qualifications and the National Fire Academy (FESHE) initiative. This program includes the curriculum requirement for the State of Florida Bureau of Fire Standards and Training Fire Officer I certification.

Required Courses

FFP 1740  Fire Service Course Delivery  3
FFP 1810  Fire Service Strategy and Tactics I  3
FFP 2120  Building Construction for the Fire Service  3
FFP 2720  Company Officer  3

Total Credits:  12.00

Homeland Security Professional
Technical Certificate
Major Code: HLSPR-CC CIP: 0743011202

Program Description
This program focuses on the role of the criminal justice professional in Homeland Security and Private Security related professions. Students will gain an understanding of the management and administration of Law Enforcement and Security Operations as well as a working knowledge of the fundamentals of criminal and private investigations. The student will comprehend the importance of effective working relationships and human diversity as well as environmental changes for private as well as public safety.

Required Courses

CCJ 1000  Introduction to Private Security  3
CJL 2500  U.S. Court Systems  3
CJE 1000  Introduction to Law Enforcement  3
CCJ 2053  Criminal Justice Ethics  3
CCJ 1020  Introduction to Criminal Justice  3

Total Credits:  15.00

Paramedic Technology
Technical Certificate
Major Code: PARMD-CC CIP: 0351090405

Program Description
The Paramedic is an allied/public safety professional whose primary focus is to provide advanced emergency medical care for critical and emergent patients who access the emergency medical system. Paramedics possess the complex knowledge and skills necessary to provide patient care and transportation. This program is approved by the Florida Department of Health, Bureau of Emergency Medical Services. All Paramedic students must submit a National Criminal Background check and complete the PERT examination prior to the start of the program unless exempted by the Counseling and Educational Planning Department. Students must not have been convicted of a crime as listed in the EMS student handbook available in the EMS Department. All courses within the Paramedic Program must be completed in the proper sequence during one calendar year. Successful completion of all courses within the Paramedic Program with an overall grade “C” (80 percent) in each course, qualifies students to complete the State
of Florida Paramedic certification examination administered by the Florida Department of Health, Division of Medical Quality Assurance.

**Technical skills required for becoming a paramedic**

This is a limited-access program. Candidates must:

- Apply and be accepted to Seminole State College;
- Submit a completed EMS Paramedic application;
- Submit proof of age (minimum 18 years of age);
- Provide an official transcript(s) indicating successful completion of a standard high school program or equivalent;
- Complete the Post-secondary Education Readiness Test (PERT) and achieve the following scores: Reading -106 or higher, Sentence Skills - 103 or higher, Algebra or exemption -114 or higher; or be exempt from common placement testing;
- Have earned a 2.0 cumulative GPA or higher;
- Attend an information session;
- Possess a current Florida EMT certification or proof of successful completion of a Florida EMT program; and
- Successfully complete a criminal background check and drug screening exam.

Priority will be given to applicants with the following:

- Current employment with an EMS or hospital provider;
- An Associate degree or higher;
- Healthcare experience; and/or
- Have obtained a GPA of 3.0 or higher.

This certificate is upward compatible with the A.S. degree, Emergency Medical Services.

### Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EMS 2603</td>
<td>Paramedic I</td>
<td>4</td>
</tr>
<tr>
<td>EMS 2603L</td>
<td>Paramedic I Laboratory</td>
<td>4</td>
</tr>
<tr>
<td>EMS 2604</td>
<td>Paramedic II</td>
<td>4</td>
</tr>
<tr>
<td>EMS 2604L</td>
<td>Paramedic II Laboratory</td>
<td>4</td>
</tr>
<tr>
<td>EMS 2605</td>
<td>Paramedic III</td>
<td>4</td>
</tr>
<tr>
<td>EMS 2605L</td>
<td>Paramedic III Laboratory</td>
<td>4</td>
</tr>
<tr>
<td>EMS 2659</td>
<td>Paramedic Field Internship</td>
<td>4</td>
</tr>
<tr>
<td>EMS 2666</td>
<td>Paramedic I Clinical</td>
<td>5</td>
</tr>
<tr>
<td>EMS 2667</td>
<td>Paramedic II Clinical</td>
<td>4</td>
</tr>
</tbody>
</table>

Note: BSC 2093C and 2094C, BSC 1084 or EMS 2010 may substitute for BSC1020

- BSC 1020  Human Biology  3
- EMS 2668  Paramedic III Clinical  2

**Total Credits:** 42.00

---

**PSAVC, Auxiliary Law Enforcement Officer Post-Secondary Adult Vocational Certificate**

**Major Code:** AUXLAW-VC  **CIP:** 0743010709

**Program Description**

This program prepares students to assist law enforcement agencies as auxiliary police officers functioning under the supervision and direction of law enforcement officers.

**Total program hours:** 364

### Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CJK 0023</td>
<td>Introduction to Law Enforcement</td>
<td>4</td>
</tr>
<tr>
<td>CJK 0024</td>
<td>Legal Concepts</td>
<td>20</td>
</tr>
<tr>
<td>CJK 0025</td>
<td>Patrol and Professional Communications</td>
<td>12</td>
</tr>
<tr>
<td>CJK 0026</td>
<td>Interactions in a Diverse Community</td>
<td>12</td>
</tr>
<tr>
<td>CJK 0027</td>
<td>Calls for Service and Arrest Procedures</td>
<td>24</td>
</tr>
<tr>
<td>CJK 0028</td>
<td>Traffic Stops and Crash Investigations</td>
<td>28</td>
</tr>
<tr>
<td>CJK 0029</td>
<td>Crime Scene and Courtroom Procedures</td>
<td>8</td>
</tr>
</tbody>
</table>
PSAVC, Correctional Officer Cross-Over Training to Florida Law Enforcement Academy

Post-Secondary Adult Vocational Certificate
Major Code: COTLE-VC CIP: 0743010702

Program Description

This program prepares state certified correctional officers to receive the Cross-Over Corrections to Law Enforcement Certificate that is required before taking the state certification test to obtain a position as a police officer in Florida. This program is approved by the Criminal Justice Standards and Training Commission (CJSTC) and the Florida Department of Law Enforcement (FDLE).

Total program hours: 518

Required Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CJK 0001</td>
<td>Introduction to Law Enforcement</td>
<td>10</td>
</tr>
<tr>
<td>CJK 0012</td>
<td>Legal</td>
<td>62</td>
</tr>
<tr>
<td>CJK 0013</td>
<td>Interactions in a Diverse Community</td>
<td>40</td>
</tr>
<tr>
<td>CJK 0014</td>
<td>Interviewing and Report Writing</td>
<td>56</td>
</tr>
<tr>
<td>CJK 0064</td>
<td>Fundamentals of Patrol</td>
<td>35</td>
</tr>
<tr>
<td>CJK 0065</td>
<td>Calls for Service and Special Risk Groups</td>
<td>36</td>
</tr>
<tr>
<td>CJK 0077</td>
<td>Criminal Investigations</td>
<td>50</td>
</tr>
<tr>
<td>CJK 0078</td>
<td>Crime Scene to Courtroom</td>
<td>35</td>
</tr>
<tr>
<td>CJK 0092</td>
<td>Critical Incidents</td>
<td>44</td>
</tr>
</tbody>
</table>

PSAVC, Fire Academy

Post-Secondary Adult Vocational Certificate
Major Code: FIRE-VC CIP: 0743020303

Program Description

The Firefighting Academy is designed satisfy Bureau of Fire Standards program requirements for Professional Firefighter Certification. Students will receive a wide-range of classroom and hands-on training that includes live-fire training, vehicle extrication, ladder and fire hose operations, search and rescue, hazardous materials response, forcible entry, ventilation operations and fire detection and suppression practices.

Upon successful completion of this program and after meeting all College and BFST requirements, students will receive a certificate of completion in Firefighter I and II and will be eligible to sit for the State of Florida Minimum Fire Standards Certification examination. A course grade of “C” (80 percent) is required for successful completion. Applicants must attend a mandatory information session to receive academy application paperwork. Please note: Both day and evening classes start twice a year, in January and June.

Total program hours: 450

Program Admission

This is a limited-access program. Permission of the Fire Standards Program Manager is required to register for the courses.

Program Entry Requirements:
Candidates must be at least 18 years of age;
Candidates must apply to Seminole State College and be accepted as a student;
Applicants must be a successful completer of an EMT-B or Paramedic program prior to the start of the Fire Standards program;
Attempt the TABE or obtain an exemption prior to submission of the Academy application;
Complete and submit a Fire Standards application form;
Attend a mandatory "Firefighting Academy" orientation;
Complete the Bureau of Fire Standards and Training Medical Examination form;
Candidates must be a non-user of any form of tobacco products.

Priority admission will be granted to those candidates who (in order of preference):

1. Successfully completed or is currently enrolled in an EMT-B or Paramedic program and is sponsored by a local Seminole County Fire Department.
2. Successfully completed or is currently enrolled in a Florida Paramedic program.
3. Successfully completed or is currently enrolled in an EMT-B or Florida Paramedic program and earned an Associate degree or higher.
4. Successfully completed or is currently enrolled in the EMT-B program at Seminole State College and completed the TABE test or show proof of exemption.
5. Successfully completed or is currently enrolled in the EMT-B program at Seminole State College but has not completed the TABE requirement.
6. Successfully completed or is currently enrolled in the EMT-B program at another institution.

Scholastic Evaluation Examination Requirements:

TABE (Test of Adult Basic Education): Non-exempt candidates must receive a passing score in each of the subject areas: reading, language and math. Candidates accepted into the program must complete this requirement by the sixth week of the Firefighting Academy or the student will be subject to withdrawal from the program regardless of grade point average in the program. If unsuccessful at obtaining a passing score on each subject exam, the student must remediate and retake the exam until a passing score is achieved.

The Test of Adult Basic Education (TABE) is offered through the office of Assessment and Testing Center located in Building A, Room A107. Contact their office at 407-708-2020 to schedule an appointment to test or answer questions.

Exemptions: Students may be exempted from the TABE requirement for several reasons. To obtain an exemption, you must contact the Assessment and Testing Center and request a TABE exemption. Due to the competitive nature of the Firefighting Academy application process and the intense coursework during the program, it is highly recommended that students accomplish the TABE requirement before applying to the program.

Qualification for Certification

The following is a list of the qualifications for certification as a firefighter in Florida per Florida Statutes 633.412 Firefighters; qualifications for certification:

A person applying for certification as a firefighter must:

- Be a high school graduate or the equivalent, as the term may be determined by the division, and at least 18 years of age.
- Not have been convicted of a misdemeanor relating to the certification or to perjury or false statements or a felony or a crime punishable by imprisonment of one year or more under the law of the United States or of any state thereof or under the law of any other country, or dishonorably discharged from any of the Armed Forces of the United States. "Convicted" means a finding of guilt or the acceptance of a plea of guilty or nolo contendere in any federal or state court or a court in any other country without regard to whether a judgment of conviction has been entered by the court having jurisdiction of the case.
- Submit a set of fingerprints to the division with a current processing fee. The fingerprints will be forwarded to the Department of Law Enforcement for state processing and forwarded by the
Department of Law Enforcement to the Federal Bureau of Investigation for national processing.

- Have a good moral character as determined by investigation under procedure established by the division.
- Be in good physical condition as determined by a medical examination given by a physician, surgeon or physician assistant or an advanced registered nurse practitioner. Such examination may include, but need not be limited to, the National Fire Protection Association Standard 1582.
- A medical examination evidencing good physical condition shall be submitted to the division, on a form as provided by rule, before an individual is eligible for admission into a course under s. 633.408.
- Must be a non-user of tobacco products for at least one year immediately preceding application as evidenced by the sworn affidavit of the applicant.

Total program hours: 450

**Required Courses**

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FFP 0027</td>
<td>Fire Standards Part 1</td>
<td>150</td>
</tr>
<tr>
<td>FFP 0028</td>
<td>Fire Standards Part 2</td>
<td>150</td>
</tr>
<tr>
<td>FFP 0029</td>
<td>Fire Standards Part 3</td>
<td>150</td>
</tr>
</tbody>
</table>

**PSAVC, Fire Academy/EMT Combined Program**

**Post-Secondary Adult Vocational Certificate**

**Major Code:** FIREMT-VC  **CIP:** 0743020312

**Program Description**

The Fire Academy/EMT combined program is designed to satisfy the Florida Bureau of Fire Standards and Training program requirements for Professional Firefighter Certification, the U.S. Department of Transportation's National basic EMT Standard and the Florida Department of Health Bureau of Emergency Medical Services for EMT curriculum. Students will receive a wide-range of classroom and hands-on training that include physical fitness testing, live-fire training, vehicle extraction, high-angle ladder operations, forcible entry, EMS skills laboratory and EMS clinical experiences designed to prepare students for employment as a Firefighter/EMT in the State of Florida. The EMS practical skills laboratory includes application practice and performance evaluation in simulated patient care. The clinical application provides patient care opportunities with in-hospital settings and pre-hospital emergency care providers such as fire departments and local ambulance services. A minimum overall grade of “C” (eighty percent) is required for successful completion of all program curriculum. Successful completion will allow the graduate to be considered eligible to sit for the State of Florida Minimum Fire Standards Certification and basic EMT licensure exams.

**Total program hours: 750**

**Admission Requirements:**

This is a limited-access program. Candidates must:

- Attend mandatory information and orientation sessions;
- Submit a completed Fire/EMT Program Application Form;
- Submit proof of age (minimum 18 years of age);
- Apply and be accepted to Seminole State College;
- Complete or be exempt from the Postsecondary Education Readiness (PERT) and (TABE) test;
- Complete drug screening (Forms to be provided during orientation session);
- Complete a background check (Forms to be provided during orientation session);
- Complete a non-tobacco use affidavit (Forms to be provided during orientation session);
- Complete a physical medical exam (Forms to be provided during orientation session);
- Physical agility exam may be required (Scheduling will be completed during information session).

**Required Courses**

Emergency Medical Technician (EMT)

Courses are college credit courses embedded in a vocational certificate. Contact hours appear as units.
PSAVC, Florida Law Enforcement Academy
Post-Secondary Adult Vocational Certificate
Major Code: LAW-VC  CIP: 0743010700

Program Description
This Florida Law Enforcement Academy program prepares students to receive a Basic Police Standards Certificate that is required to become eligible to take the State Certification Test to obtain a position as a police officer in Florida.

This program is approved by the Criminal Justice Standards and Training Commission (CJSTC) and the Florida Department of Law Enforcement (FDLE). Admission requirements and selection criteria may be obtained from the College’s Admissions Office.

This is a limited-access program. Candidates must:

- Complete the CJBAT (Criminal Justice Basic Abilities Test) and receive a score of "Pass"; and
- Successfully complete a physical fitness assessment.

Priority admission may be given to applicants based on a review of the following areas:

- Education level
- Law enforcement experience
- Military experience
- Driving history/ Criminal history
- Drug use
- Tentative offer of employment

Total program hours: 770

Required Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>CJK 0001</td>
<td>Introduction to Law Enforcement</td>
<td>10</td>
</tr>
<tr>
<td>CJK 0012</td>
<td>Legal</td>
<td>62</td>
</tr>
<tr>
<td>CJK 0013</td>
<td>Interactions in a Diverse Community</td>
<td>40</td>
</tr>
<tr>
<td>CJK 0014</td>
<td>Interviewing and Report Writing</td>
<td>56</td>
</tr>
<tr>
<td>CJK 0020</td>
<td>Vehicle Operations</td>
<td>48</td>
</tr>
<tr>
<td>CJK 0031</td>
<td>First Aid for Criminal Justice Officers</td>
<td>40</td>
</tr>
<tr>
<td>CJK 0040</td>
<td>Firearms</td>
<td>80</td>
</tr>
<tr>
<td>CJK 0051</td>
<td>Criminal Justice Defensive Tactics</td>
<td>80</td>
</tr>
<tr>
<td>CJK 0064</td>
<td>Fundamentals of Patrol</td>
<td>35</td>
</tr>
<tr>
<td>CJK 0065</td>
<td>Calls for Service and Special Risk Groups</td>
<td>36</td>
</tr>
<tr>
<td>CJK 0077</td>
<td>Criminal Investigations</td>
<td>50</td>
</tr>
<tr>
<td>CJK 0078</td>
<td>Crime Scene to Courtroom</td>
<td>35</td>
</tr>
<tr>
<td>CJK 0084</td>
<td>DUI Traffic Stops</td>
<td>24</td>
</tr>
<tr>
<td>CJK 0087</td>
<td>Traffic Stops</td>
<td>30</td>
</tr>
</tbody>
</table>
PSAVC, Law Enforcement Officer Cross-over Training to Florida CMS Correctional Basic Recruit Training Program
Post-Secondary Adult Vocational Certificate
Major Code: LETCO-VC CIP: 0743010205
Program Description

This program prepares certified law enforcement officers to become certified corrections officers without having to attend the entire corrections academy. It prepares students for the State Certification Examination for Corrections Officers approved by the Florida Department of Law Enforcement Standards and Training Commission.

Total program hours: 198

Required Courses

- CJK 0300 Introduction to Corrections 32
- CJK 0305 Communications 40
- CJK 0310 Officer Safety 16
- CJK 0315 Facility and Equipment 8
- CJK 0320 Intake and Release 18
- CJK 0325 Supervising in a Correctional Facility 40
- CJK 0330 Supervising Special Populations 20
- CJK 0335 Responding to Incidents and Emergencies 16
- CJK 0393 Cross-Over Program Updates 8

PSAVC, Private Security Officer
Post-Secondary Adult Vocational Certificate
Major Code: PSO-VC CIP: 0743010900
Program Description

This program prepares students for the unarmed Private Security Officer Class “D” license and occupations that require security licensing in accordance with Florida Statutes and provides advance training and preparation for the Armed Private Security Officer, Class “G” license in accordance with Florida Statutes and Florida Administrative Code. A high school diploma is not required.

Total program hours: 68

Required Courses

- CJK 0132 Private Security Officer 40
- CJK 0134 Armed Private Security Officer 28

PSAVC, Traditional Correctional Basic Recruit Training Program
Post-Secondary Adult Vocational Certificate
Major Code: CRECT-VC CIP: 0743010200
Program Description

The Correctional Officer Program includes theory and application for those who wish to work in correctional facilities in Florida. Students successfully completing this program are prepared to take the State Certification Exam administered by the Florida Department of Law Enforcement. This is a limited-access program.

Candidates must:

- Apply and be accepted to Seminole State College;
- Be at least 19 years of age;
- Provide an official transcript(s) indicating successful completion of a standard high school diploma or equivalent;
- Submit a completed Law Enforcement/Corrections/Crossover application;
- Have a valid Florida driver’s license;
• Have no felony or misdemeanor convictions involving perjury, false statements, or moral turpitude;
• Complete the CJBAT (Criminal Justice Basic Abilities Test) and receive a score of “Pass”; and
• Successfully complete a physical fitness assessment.

Priority admission will be given to applicants based on a review of the following areas:

• Education level
• Law enforcement experience
• Military experience
• Driving history
• Criminal history
• Drug use

These areas will be assessed based on a rubric which measures applicant’s performance in each area.

Total program hours: 420

Required Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CJK 0031</td>
<td>First Aid for Criminal Justice Officers</td>
<td>40</td>
</tr>
<tr>
<td>CJK 0040</td>
<td>Firearms</td>
<td>80</td>
</tr>
<tr>
<td>CJK 0051</td>
<td>Criminal Justice Defensive Tactics</td>
<td>80</td>
</tr>
<tr>
<td>CJK 0300</td>
<td>Introduction to Corrections</td>
<td>32</td>
</tr>
<tr>
<td>CJK 0305</td>
<td>Communications</td>
<td>40</td>
</tr>
<tr>
<td>CJK 0310</td>
<td>Officer Safety</td>
<td>16</td>
</tr>
<tr>
<td>CJK 0315</td>
<td>Facility and Equipment</td>
<td>8</td>
</tr>
<tr>
<td>CJK 0320</td>
<td>Intake and Release</td>
<td>18</td>
</tr>
<tr>
<td>CJK 0325</td>
<td>Supervising in a Correctional Facility</td>
<td>40</td>
</tr>
<tr>
<td>CJK 0330</td>
<td>Supervising Special Populations</td>
<td>20</td>
</tr>
<tr>
<td>CJK 0335</td>
<td>Responding to Incidents and Emergencies</td>
<td>16</td>
</tr>
<tr>
<td>CJK 0340</td>
<td>Officer Wellness and Physical Abilities</td>
<td>30</td>
</tr>
</tbody>
</table>
BAS, Interior Design
Bachelor of Applied Science
Major Code: INTD-BAS CIP: 1105004083

Program Description

Seminole State’s Bachelor of Applied Science in Interior Design prepares students toward a path to licensure and a professional career in the field. This comprehensive curriculum combines the concepts and philosophies of the social sciences, with courses in designing for diverse populations as well as emerging trends in the industry. Advanced technical skills required to communicate with the design profession, such as space planning and lighting will also be emphasized. The degree will culminate in a capstone healthcare project and portfolio of work. Students will also be exposed to the professional industry through internship opportunities.

Having obtained skills critical to the industry, graduates of this program will be able to work in a wide variety of design occupations that range from commercial design (corporate, healthcare, retail, hospitality, government facilities, education and real estate) to residential design. Upon completion of the B.A.S. Interior Design and two years of work experience under a licensed interior designer or architect, graduates are eligible to take the National Council for Interior Design Qualification (NCIDQ) examination for state licensure. The NCIDQ examination will test an interior designer’s ability to protect health, safety and welfare through the competent practice of interior design. Interior designers work closely with architects, engineers and general contractors in a wide array of settings.

Program Admission

Applicants seeking admission to Seminole State College’s bachelor’s degree programs must comply with the College’s General Admissions procedures. In addition, students must meet the following program-specific requirements listed below prior to being accepted into upper-division coursework:

- Completion of Associate in Science (A.S.) degree in Interior Design that meets the following requirements:
  - The program must be a Florida Board of Architecture Interior Design-approved program,
  - The degree must be from a regionally accredited Florida institution.

All other degrees will be evaluated by the faculty committee on a case-by-case basis to make the final admission determination. Students entering with an A.S. degree from a college other than Seminole State may need additional courses to provide appropriate background for the baccalaureate program.

- A GPA of 2.0 or higher.

Contact Admissions at 407.708.4550 if you have additional questions about applying to the program.

Interior Design Foundation

The primary entry qualification is the A.S. Interior Design degree. The 60 credit hours of interior design foundation are the A.S. degree technical courses that satisfy the Florida Board of Architecture and Interior Design and/or NCIDQ licensing courses. At least 36 of the 60 hours of interior design foundation courses must be IND prefix courses.

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>18</th>
</tr>
</thead>
<tbody>
<tr>
<td>IND 3245 Studio V: Emerging Trends</td>
<td>3</td>
</tr>
<tr>
<td>IND 3413 Integrated Practicum</td>
<td>3</td>
</tr>
<tr>
<td>Course Code</td>
<td>Course Title</td>
</tr>
<tr>
<td>-------------</td>
<td>--------------------------------------------------</td>
</tr>
<tr>
<td>IND 3495</td>
<td>Lighting Design Applications</td>
</tr>
<tr>
<td>IND 4274</td>
<td>Designing for a Diverse Population</td>
</tr>
<tr>
<td>IND 4520</td>
<td>Senior Portfolio for the Interior Designer</td>
</tr>
<tr>
<td>IND 4242</td>
<td>Studio VI: Capstone Studio</td>
</tr>
<tr>
<td>IND 4948</td>
<td>Senior Interior Design Internship</td>
</tr>
</tbody>
</table>

**Elective Courses**

Electives must be taken while enrolled in this degree. Electives taken in the Associate of Science degree will not satisfy this requirement.

**Choose 6 credits from the following list:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>IND 3323</td>
<td>Color Theory</td>
<td>3</td>
</tr>
<tr>
<td>IND 3643C</td>
<td>Advanced Building Codes and Accessibility</td>
<td>3</td>
</tr>
<tr>
<td>IND 4506</td>
<td>Advanced Professional Principles and Practices of Interior Design</td>
<td>3</td>
</tr>
<tr>
<td>IND 3930</td>
<td>Advanced Selected Studies in Interior Design</td>
<td>3</td>
</tr>
<tr>
<td>IND 3950</td>
<td>Advanced Travel Study in Architecture and Interior Design</td>
<td>3</td>
</tr>
<tr>
<td>IND 4611</td>
<td>Applied Sustainable Design Principles</td>
<td>3</td>
</tr>
</tbody>
</table>

**Digital Media Specialization**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GRA 2201</td>
<td>Digital Imaging I</td>
<td>3</td>
</tr>
<tr>
<td>GRA 2151C</td>
<td>Digital Illustration</td>
<td>3</td>
</tr>
</tbody>
</table>

**Architectural Design Specialization**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>ARC 1301</td>
<td>Architectural Design I</td>
<td>3</td>
</tr>
<tr>
<td>ARC 1313</td>
<td>Architectural Design II</td>
<td>3</td>
</tr>
</tbody>
</table>

**Building Construction Specialization**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BCN 1221</td>
<td>Principles of Building Construction</td>
<td>3</td>
</tr>
<tr>
<td>BCN 2230</td>
<td>Construction Materials and Methods I</td>
<td>3</td>
</tr>
<tr>
<td>BCN 2272</td>
<td>Blueprint Reading</td>
<td>3</td>
</tr>
<tr>
<td>BCT 2770</td>
<td>Estimating Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>BCN 2599</td>
<td>Green Building and Energy Efficiency</td>
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</tbody>
</table>

**Kitchen and Bath Specialization**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>IND 2201</td>
<td>Design Principles for Kitchen and Bath</td>
<td>3</td>
</tr>
<tr>
<td>IND 2309</td>
<td>Drawing and Presentation Standards for Kitchen and Bath</td>
<td>3</td>
</tr>
<tr>
<td>IND 2402</td>
<td>Kitchen and Bathroom Planning Standards and Safety Criteria</td>
<td>3</td>
</tr>
<tr>
<td>IND 2463</td>
<td>Introduction to 2020 Software</td>
<td>3</td>
</tr>
</tbody>
</table>

**General Education Courses**

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Communications General Education courses</td>
<td>9</td>
</tr>
<tr>
<td>History General Education course</td>
<td>3</td>
</tr>
<tr>
<td>Humanities General Education courses</td>
<td>6</td>
</tr>
<tr>
<td>Mathematics General Education courses</td>
<td>6</td>
</tr>
<tr>
<td>Science General Education courses</td>
<td>6</td>
</tr>
<tr>
<td>Social Science General Education courses</td>
<td>6</td>
</tr>
</tbody>
</table>

**Total Credits:** 120.00
Seminole State College’s Interior Design program reflects current client needs and trends, such as sustainable design practices, ergonomics, universal design and aging in place. All full-time interior design faculty are Florida-licensed professionals who are actively involved in the industry. The program is nationally recognized, and students have consistently won national and regional industry awards. Students can participate in community projects, visit major construction sites and design centers, and join the student chapters of the International Interior Design Association (IIDA) and the United States Green Building Council (USGBC). Once students complete the degree and four years of work experience under a licensed interior designer or architect, they will be eligible to take the National Council for Interior Design Qualification (NCIDQ) exam for state licensure.

Program Admission

How to Apply

• **First-Time College Students:** Apply online to Seminole State College and declare the A.S. in Interior Design as your educational goal. Once you’ve earned an A.S. in Interior Design, you can apply directly to the bachelor’s degree program.

• **Students with an A.A., A.S. or Bachelor’s Degree in another field:** Students who have completed an unrelated degree program will be considered but may need additional coursework. To be considered, apply to Seminole State College online by the stated deadlines.

• **Contact Admissions** at 407.708.4550 if you have additional questions about applying to the program.

Degree Transfer

This A.S. degree is transferable into the Bachelor of Applied Science (B.A.S.) in Interior Design offered at Seminole State College.

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>54</th>
</tr>
</thead>
<tbody>
<tr>
<td>IND 1100 History of Architecture and Design I</td>
<td>3</td>
</tr>
<tr>
<td>IND 1233 Studio I: Interior Design Fundamentals</td>
<td>3</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Elective Courses</th>
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<tbody>
<tr>
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<tr>
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<tr>
<td>Course Code</td>
<td>Course Title</td>
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<td>-------------</td>
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<tr>
<td>IND 2150</td>
<td>Historic Preservation</td>
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<tr>
<td>IND 2290</td>
<td>Autism and the Built Environment</td>
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<tr>
<td>IND 2930</td>
<td>Selected Studies in Interior Design</td>
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<tr>
<td>IND 1200</td>
<td>Decorating Tips and Tricks</td>
</tr>
<tr>
<td>IND 2950</td>
<td>Travel Study in Architecture and Interior Design</td>
</tr>
<tr>
<td>IND 2201</td>
<td>Design Principles for Kitchen and Bath</td>
</tr>
<tr>
<td>IND 2309</td>
<td>Drawing and Presentation Standards for Kitchen and Bath</td>
</tr>
<tr>
<td>IND 2402</td>
<td>Kitchen and Bathroom Planning Standards and Safety Criteria</td>
</tr>
<tr>
<td>IND 2463</td>
<td>Introduction to 2020 Software</td>
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**Total Credits:** 75.00

**General Education Courses**

<table>
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<tr>
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<tr>
<td>ENC 1101</td>
<td>English I</td>
<td>3</td>
</tr>
<tr>
<td>SPC 1608</td>
<td>Introduction to Oral Communication</td>
<td>3</td>
</tr>
</tbody>
</table>

**Mathematics General Education course**

**Humanities General Education course**

**Social Science General Education course**

**Total Credits:** 15

**Kitchen and Bath Design Technical Certificate**

**Major Code:** INTKB-CC  CIP: 0450040805

**Program Description**

The Kitchen and Bath Design Certificate Program prepares individuals for entry-level and advanced positions in the kitchen and bath design industry. The program focuses on the knowledge, skills and aptitudes necessary for working in this specialized design area. These credits may be used to reduce the time of experience needed before a working designer is permitted to sit for the certification exam(s). This certificate is upward compatible with the A.S. degree, Interior Design Technology.

**Required Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>IND 1404C</td>
<td>Technical Design</td>
<td>3</td>
</tr>
<tr>
<td>IND 1488</td>
<td>Interior Finishes and Building Components</td>
<td>3</td>
</tr>
<tr>
<td>IND 2201</td>
<td>Design Principles for Kitchen and Bath</td>
<td>3</td>
</tr>
<tr>
<td>IND 2309</td>
<td>Drawing and Presentation Standards for Kitchen and Bath</td>
<td>3</td>
</tr>
<tr>
<td>IND 2411</td>
<td>Building Materials/Construction and Estimating for Kitchen and Bath</td>
<td>3</td>
</tr>
</tbody>
</table>

**School of Engineering, Design and Construction**

**Catalog Year 2017-18**

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**Generated on 12/14/2017**
### Residential Staging Specialist

#### Technical Certificate

**Major Code:** INTRS-CC  
**CIP:** 0450040807  
**Program Description**

Home staging has become a necessity for today's home owners and realtors to maximize the selling price and reducing the amount of time the home is on the market. This program introduces students to the fundamentals of interior design principles and theories, spatial relationships and furniture placement, the science of color and color scheme development and the materials necessary to create visual appeal to home buyers. Students are also introduced to standard business practices of the profession including preparation of contracts for basic interior design services, fee structures and business development. The program focuses on knowledge, visual communication skills and aptitudes essential in home staging and residential interior design industries. This certificate program is upward compatible with the A.S. degree, Interior Design Technology.

**Required Courses**  

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>IND 1100</td>
<td>History of Architecture and Design I</td>
<td>3</td>
</tr>
<tr>
<td>IND 1233</td>
<td>Studio I: Interior Design Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>IND 1488</td>
<td>Interior Finishes and Building Components</td>
<td>3</td>
</tr>
<tr>
<td>IND 2000</td>
<td>Professional Principles and Practices of Interior Design</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Credits:** 39.00

### BS, Construction

**Bachelor of Science**  
**Major Code:** CONST-BS  
**CIP:** 1101510012  
**Program Description**

Seminole State College’s Bachelor of Science (B.S.) in Construction leads to professional licensure as a general contractor (Certified GC and/or Building Contractor) high-demand jobs. Seminole State prepares the student to manage projects from conception to completion with an emphasis on project management. Building construction principles taught in the classroom are enhanced through real-world applications.

**Why Seminole State?**

- **Community involvement:** Students participate in community service learning projects, visit major construction sites and engage with the local construction companies during monthly industry sponsored “Toolbox Talk” events. Students are encouraged to join student chapters of the United States Green Building Council (USGBC) and Design-Build Institute of America (DBIA).
- **Online completion:** Seminole State offers a clear pathway to earn a B.S. Construction degree completely online from the comfort of home. A completed A.S. degree in construction transfers into the B.S. degree and provides the foundation of the degree. Designed for the full-time working student or for those with other commitments, a part-time lock step program allows a student to complete the bachelor degree within three years.
• **Scholar-Practitioner faculty:** All full-time construction faculty are Florida-licensed professionals who are actively involved in the industry. These scholar-practitioner faculty have real-world experience, professional licensure in construction, engineering or architecture and a credentialed, scholarly academic background.

**Profession**

Successful construction managers have excellent leadership skills and are able to plan and conduct operations for construction projects from design to occupancy. Typically, they work on major projects with design and construction professionals, optimizing the use of manpower and materials, solving problems and thinking creatively. Construction managers use clear communication, teamwork and organization skills. Construction managers, often called general contractors or project managers, coordinate and supervise a wide variety of projects, including the building of all types of public, residential, commercial and industrial structures. Although most managers oversee construction projects from start to finish, some consult with developers and builders on construction related issues.

**Career Opportunities**

- Building/Construction Manager
- Construction Manager
- Cost Estimator
- General Contractor
- Permitting and Government Liaison
- Property, Real Estate and Community Association Manager
- Real Estate Developer
- Safety Inspector
- Safety Manager
- Scheduler
- Sustainable Construction Manager

**Job Outlook**

Employment of construction managers is projected to grow 16 percent from 2012 to 2022, faster than the average for all occupations (Source: Bureau of Labor Statistics). Construction managers will be needed as overall construction activity expands. Population and business growth will result in the construction of many new residences, office buildings, retail outlets, hospitals, schools, restaurants and other structures over the coming decade.

**Placement and Salary Information**

Visit [Smart-College-Choices.com](http://Smart-College-Choices.com) to access employment numbers and the estimated average, annual full-time wage for graduates of this program.

**Program Admission**

Applicants seeking admission to Seminole State College’s bachelor’s degree programs must comply with the College’s General Admissions procedures. In addition, students must meet the following program-specific requirements listed below prior to being accepted into upper-division coursework:

- Completion of an Associate in Arts (A.A.) or bachelor’s degree from a regionally accredited institution or selected Associate in Science (A.S.) degrees from any regionally accredited Florida institution:
  - A.S., Architectural Design and Construction Technology (CIP 1615010100)
  - A.S., Building Construction Technology (CIP 161500101)
  - A.S., Construction Management (CIP 1646041201)
  - A.S., Construction Management (CIP 1646041200)

All other degrees will be evaluated by the faculty committee on a case-by-case basis.

- A GPA of 2.0 or higher.
- Program Progression Requirements:
  - An Associate in Science (A.S.) degree in any one of the regionally accredited Florida programs listed above satisfies the Required Construction Program Prerequisite
  - requirements detailed in the Bachelor of Science (B.S.) Construction degree program. Students with any other degree must complete the Required Construction Program Prerequisites with a grade of "C" or higher before starting the Construction Courses (Upper Division).
### Prerequisite Courses

22

#### Construction Program Prerequisites

Courses must be completed with a “C” or higher. All Construction Program Prerequisites must be completed prior to starting Construction Upper Division Required Courses.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BCN 1221</td>
<td>Principles of Building Construction</td>
<td>3</td>
</tr>
<tr>
<td>BCN 2230</td>
<td>Construction Materials and Methods I</td>
<td>3</td>
</tr>
<tr>
<td>BCN 2231</td>
<td>Construction Materials and Methods II</td>
<td>3</td>
</tr>
<tr>
<td>BCN 2251C</td>
<td>Building Construction Documents</td>
<td>3</td>
</tr>
<tr>
<td>EGN 1111C</td>
<td>Engineering Graphics - Drawing</td>
<td>3</td>
</tr>
<tr>
<td>ETD 1320C</td>
<td>Computer-Aided Design I</td>
<td>3</td>
</tr>
<tr>
<td>SUR 2101C</td>
<td>Surveying</td>
<td>4</td>
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### Required Courses

33

#### Construction Required Core Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>BCN 3225C</td>
<td>Soil Mechanics and Foundations</td>
<td>3</td>
</tr>
<tr>
<td>BCN 3565C</td>
<td>Electrical Systems in Construction</td>
<td>3</td>
</tr>
<tr>
<td>BCN 3708</td>
<td>Building Specifications, Contracts and Codes</td>
<td>3</td>
</tr>
<tr>
<td>BCN 3730</td>
<td>Construction Safety, Health and the Environment</td>
<td>3</td>
</tr>
<tr>
<td>BCN 3724C</td>
<td>Advanced Construction Planning</td>
<td>3</td>
</tr>
<tr>
<td>BCN 4753</td>
<td>Construction Financing and Accounting Principles</td>
<td>3</td>
</tr>
<tr>
<td>BCN 4787C</td>
<td>Construction Capstone Project</td>
<td>3</td>
</tr>
<tr>
<td>BCN 4612C</td>
<td>Advanced Construction Estimating</td>
<td>3</td>
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</table>

#### Required Math and Science Foundation Courses

6

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>MAC 2233</td>
<td>Concepts of Calculus</td>
<td>3</td>
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<tr>
<td>PHY 1020</td>
<td>Conceptual Physics</td>
<td>3</td>
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</table>

### Electives & Additional Required Core

12

#### Business & Management Foundation Courses

<table>
<thead>
<tr>
<th>Course</th>
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</thead>
<tbody>
<tr>
<td>Any BUL prefix course</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Any ACG, APA, or FIN prefix course not already required</td>
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#### Required Math and Science Foundation Courses.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
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</tr>
<tr>
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<td>Conceptual Physics</td>
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### Construction Electives

6

<table>
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<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tr>
<td>BCN####</td>
<td>Any BCN prefix college credit course</td>
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</tr>
<tr>
<td>BCT####</td>
<td>Any BCT prefix college credit course</td>
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</tr>
</tbody>
</table>

Note: EGN 3310 can be used to satisfy the ETG 2502 requirement.

Note: ETG 2502 must be completed with a grade of “C” or higher.

Note: ETG 2502 must be completed with a grade of “C” or higher.

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Electives 17
Any College credit course not already required.

General Education Courses 36
Communications General Education courses 9
History General Education course 3
Humanities General Education courses 6
Mathematics General Education courses 6

A minimum of 3 credits in Mathematics must be higher than Algebra and Trigonometry in order to satisfy the ACCE accreditation program requirements.

Science General Education courses 6
Social Science General Education courses 6

Total Credits: 126.00

AS, Construction Management
Associate in Science
Major Code: CNMGT-AS CIP: 1646041201
Program Description

The Associate in Science (A.S.) degree in Construction Management is a blend of building science, project management and professional practice courses that prepare students for a career as project manager or superintendent of residential or small commercial construction projects. This degree prepares students for state licensing and provides a pathway into Seminole State’s B.S. in Construction.

Profession

Houses, roads, bridges, power plants, schools and hospitals are just some of the essential structures that support daily life. These residential, commercial and industrial projects are led by construction managers who coordinate the many details required to complete them, often while supervising multiple concurrent projects.

Career Opportunities

Graduates of this program are employed as:

- Assistant Project Managers/Project Engineers
- Estimators
- Field Superintendents
- Home Builders
- Purchasing Agents
- Schedulers

Job Outlook

Employment in this field is expected to grow by 17 percent (about as fast as average) through 2020 (Source: Bureau of Labor Statistics). Construction managers will be needed as the level and variety of construction projects expands. Population and business growth will result in new construction of residential dwellings, office buildings, retail outlets, hospitals, schools, restaurants and other structures.

College Credit Certificates

Students pursuing this degree also may obtain the following college credit certificates:

- Building Construction Technical Certificate

Certifications

Graduates of this program are qualified to earn the following industry certifications:

- Autodesk Certified Associate - Revit Architecture, (ADESK020)
- Autodesk Certified Professional - Revit Architecture, (ADESK025)
- NCCER Carpentry - Level 1, (NCCER005)
- NCCER Carpentry - Level 2, (NCCER032)
- NCCER Carpentry - Level 3, (NCCER033)
- NCCER Carpentry - Level 4, (NCCER034)
- NCCER Construction Technology, (NCCER008)
- NCCER Electrical - Level 1, (NCCER010)
- NCCER Electrical - Level 2, (NCCER038)
- NCCER Masonry - Level 1, (NCCER025)
- NCCER Plumbing - Level 1, (NCCER026)
Additional industry certifications may be available for college credit certificate programs.

Placement and Salary Information

Visit Smart-College-Choices.com to access employment numbers and the estimated average, annual full-time wage for graduates of this program.

Required Courses 36
- BCN 1221 Principles of Building Construction 3
- BCN 2230 Construction Materials and Methods I 3
- BCN 2231 Construction Materials and Methods II 3
- BCN 2251C Building Construction Documents 3
- BCN 2721 Construction Scheduling and Planning 3
- BCN29## Cooperative Education Internship in Construction 3
- BCT 1763 Work Place Safety and Worker’s Compensation Insurance 3
- BCT 2731 Project Management Simulation 3
- BCT 2770 Estimating Fundamentals 3
- EGN 1111C Engineering Graphics - Drawing 3
- ETD 1320C Computer-Aided Design I 3
- SUR 2101C Surveying 4

Elective Courses 9
- Any College Credit course not already required.

General Education Courses 15
- ENC 1101 English I 3

Mathematics General Education course 3

Recommended Courses for BACC Degree Seeking Students:
- MAC 1105 or higher, MAC 2233, STA 2023.

Social Science General Education course 3

Recommended Course for BACC Degree Seeking Students:
- ECO 2013.

Humanities General Education course 3

CHM 1020 Contemporary Chemistry 3

Total Credits: 60.00

Building Construction Technical Certificate
Major Code: BLDCN-CC CIP: 0615100103
Program Description

Over the next decade, the increase of construction activity of new residences, office buildings, hospitals, schools and other structures will be the result of economic and population growth. Employment of construction and related occupations has a projected growth of ten percent. The Building Construction Technical Certificate prepares individuals for an entry-level position in the construction management, home building/contractor, architecture or engineering fields. The program focuses on fundamental knowledge, skills and aptitudes in building science, construction materials and methods and estimating. Electives within the certificate allow individuals to tailor his or her career pathway with additional skillsets. This certificate is upward compatible with the A.S. degree in Construction Management.

Required Courses 15
PSAVC, Air Conditioning, Refrigeration and Heating Technology I
Post-Secondary Adult Vocational Certificate
Major Code: ACRFHT-VC CIP: 0647020107
Program Description
This vocational certificate program prepares students for employment or advanced training in the heating, air conditioning, ventilation and refrigeration industry. The program consists of classroom as well as hands-on lab study. Areas of study include planning, installing, testing and servicing of HVACR systems, servicing, installing and troubleshooting electrical and mechanical components and basic supervisory skills. Students will gain knowledge in the use and care of hand, power and specialized tools and equipment used within the industry and current industry standards, practices and techniques. Candidates must:

• Be at least 18 years of age;
• Apply and be accepted at Seminole State

- If non-exempt, complete the Form 9, Level D Test of Adult Basic Education (TABE) and successfully meet the following minimum scores to complete the program:
  - Language: 568
  - Math: 579
  - Reading: 570

Note: Departmental consent is required to register for this program for Daytime Track students only. This program is financial aid eligible.

Total program hours: 750

Required Courses

The following courses are designed to be taken in consecutive order, one class at a time.

ACR 0050C HVACR Refrigeration Concepts 125
ACR 0100C HVACR Electrical Concepts 125
ACR 0505C HVACR Service Practices 125
ACR 0590C HVACR Advanced Service Practices 125
ACR 0591C HVACR Technical Skills 125
ACR 0800C HVACR Service Applications 125

PSAVC, Air Conditioning, Refrigeration and Heating Technology II
Post-Secondary Adult Vocational Certificate
Major Code: ACRFHTT-VC CIP: 0647020108
Program Description
This program provides a more advanced level of training in the heating, air conditioning ventilation and refrigeration industry. The program consists of classroom as well as hands-on lab study. Areas of study include combustion-type heating, commercial and industrial refrigeration systems, hydronic and steam systems and indoor air quality. In addition, students will gain knowledge in air distribution systems, building management systems as well as electrical generation and distribution components for
commercial heating and air conditioning systems. Entry point into this program will only be offered in the Fall semester after completion of the Air Conditioning and Heating Technology I program.

**Total program hours: 600**

**Required Courses**

- ACR 0604C HVACR Technical Proficiency I 150
- ACR 0217C HVACR Technical Proficiency II 150
- ACR 0311C HVACR Technical Engineering I 150
- ACR 0423C HVACR Technical Engineering II 150

**PSAVC, Construction Apprenticeship - Electricity (Commercial)**

**Post-Secondary Adult Vocational Certificate**

**Major Code: CWIRE-VC CIP: 0846030204**

**Program Description**

Apprenticeship training at Seminole State College is provided in conjunction with local electrical contractors and Florida Electrical Apprenticeship and Training, Inc. This is a limited-access program. Candidates must:

- Apply and be accepted at Seminole State College;
- Be at least 18 years of age;
- Be physically capable of performing the work of the respective trade;
- Provide proof of Florida residency for the waiver status;
- Be employed by the sponsoring company.

All students in registered apprenticeship programs are exempt from taking the basic skills exam.

Students interested in college credit courses must meet with the apprenticeship coordinator.

Training covers a specified period of time during which the apprentice learns a skill or trade under the supervision of a competent craftsman. Each apprentice must complete specified hours of on-the-job training and related classroom instruction. Standards provide for a schedule of work processes, from simple to the most complex, which the apprentice must follow during the on-the-job training. The apprentice’s wages increase as skills and knowledge increase.

**Total program hours: 8744**

**Required Courses**

- BCA 0002 Basic Construction Skills 93
- BCV 0643 Residential Wiring 93
- BCV 0650 Commercial Wiring 93
- BCV 0664 Industrial Wiring 93

**BCV 0680L Electrical OJT must be completed eight (8) times**

- BCV 0680L Electrical OJT 680
- EER 0002 DC Fundamentals 93
- EER 0052 Structured Cabling 93
- EER 0212 AC Theory 93
- EER 0441 Motor Control 93

**EER 0940L Electrical OJT must be completed four (4) times**

- EER 0940L Electrical OJT 640

**Optional college credit courses for students enrolled in the CWIRE-VC and FRSPK-VC programs:**

These college credit courses apply towards the Building Construction Technology Certificate or A.S., Construction Management.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BCN 2230</td>
<td>Construction Materials and Methods I</td>
<td>4</td>
</tr>
<tr>
<td>BCN 1221</td>
<td>Principles of Building Construction</td>
<td>3</td>
</tr>
<tr>
<td>BCN 2231</td>
<td>Construction Materials and Methods II</td>
<td>4</td>
</tr>
</tbody>
</table>
PSAVC, Construction Apprenticeship - Fire Sprinkler System Technology
Post-Secondary Adult Vocational Certificate
Major Code: FRSPK-VC  CIP: 0846050202

Program Description

Apprenticeship training at Seminole State College is provided in conjunction with local contractors and construction associations. Areas of study include building maintenance, commercial ventilation, air conditioning and refrigeration, electricity and fire sprinkler technology.

Training covers a specified period of time during which the apprentice learns a skill or trade under the supervision of a competent craftsman. Each apprentice must complete specified hours of on-the-job training and related classroom instruction. Standards provide for a schedule of work processes, from simple to the most complex, which the apprentice must follow during the on-the-job training. The apprentice’s wages increase as skills and knowledge increase.

This is a limited-access program. Candidates must:

- Have approval from an apprenticeship coordinator to register for classes;
- Apply and be accepted at Seminole State College;
- Be at least 18 years of age;
- Be physically capable of performing the work of the trade;
- Be able to read and write English;
- Provide proof of Florida residency for the waiver status;
- Be employed by a sponsoring company.

All students in registered apprenticeship programs are exempt from taking the basic skills exam.

Students interested in college credit courses must:

- Meet with apprenticeship coordinator;
- Provide official transcripts indicating a standard high school diploma or equivalent.

Total program hours: 8624

Required Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BCA 0470</td>
<td>Fundamentals of Fire Sprinklers I</td>
<td>60</td>
</tr>
<tr>
<td>BCA 0471</td>
<td>Fundamentals of Fire Sprinklers II</td>
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<td>BCA 0472</td>
<td>Fundamentals of Fire Sprinklers III</td>
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<td>BCA 0473</td>
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<td>BCA 0474C</td>
<td>Intermediate Fire Sprinklers I</td>
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<tr>
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<td>Fire Sprinkler OJT must be completed 8 times</td>
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</table>

Optional college credit courses for students enrolled in the CWIRE-VC and FRSPK-VC programs:
These college credit courses apply towards the Building Construction Technology Certificate or A.S., Construction Management.

BCN 2230 Construction Materials and Methods I 4
BCN 1221 Principles of Building Construction 3
BCN 2231 Construction Materials and Methods II 4
BCN 2721 Construction Scheduling and Planning 4
BCN 2272 Blueprint Reading 3
BCT 2770 Estimating Fundamentals 4
EGN 1111C Engineering Graphics - Drawing 3
ETD 1320C Computer-Aided Design I 3

PSAVC, Construction Apprenticeship Plumbing Technology

**Post-Secondary Adult Vocational Certificate**

**Major Code:** PLUMB-VC **CIP:** 0846050302

**Program Description**

Apprenticeship training at Seminole State College is provided in conjunction with local contractors and construction associations. Areas of study include electrical, fire sprinkler and plumbing. Training covers a specified period of time during which the apprentice learns a skill or trade under the supervision of a competent craftsman. Each apprentice must complete specified hours of on-the-job training and related classroom instruction. Standards provide for a schedule of work processes, from simple to the most complex, which the apprentice must follow during the on-the-job training. The apprentice’s wages increase as skills and knowledge increase. This is a limited-access program. Candidates must:

- Have approval from an apprenticeship coordinator to register for classes;
- Apply and be accepted to Seminole State College;
- Be at least 18 years of age;
- Be physically capable of performing the work of the trade;
- Be able to read and write English;
- Provide proof of Florida residency for the waiver status;
- Be employed by the sponsoring company.

All students in registered apprenticeship programs are exempt from taking the basic skills exam.

**Total program hours: 8,720**

**Required Courses**

BCA 0001 Introduction to the Construction Industry 90
BCA 0451 Fundamentals of Plumbing II 90
BCA 0452 Fundamentals of Plumbing III 90
BCA 0453 Fundamentals of Plumbing IV 90
BCA 0454 Advanced Plumbing I 90
BCA 0455 Advanced Plumbing II 90
BCA 0456 Advanced Plumbing III 90
BCA 0457 Advanced Plumbing IV 90
BCA 0441L Plumbing OJT 640
BCA 0441L Plumbing OJT must be completed 4 times
BCA 0442L Plumbing OJT 680
BCA 0442L Plumbing OJT must be completed 8 times

PSAVC, Electrician Helper

**Post-Secondary Adult Vocational Certificate**

**Major Code:** ELECTRI-VC **CIP:** 0646030202

**Program Description**

With the increase of construction activity of new residences and commercial structures, the demand for electricians and electrician helpers is on the rise.
Employment of electrical-related occupations has a projected growth of fourteen percent over the next decade. The Electrician Helper Vocational Certificate prepares individuals for an entry-level position in the electrical industry. In a hands-on learning environment, students will be introduced to the fundamental aspects of the trade. The curriculum focuses on electrical trade safety, electrical math concepts, residential and commercial wiring concepts and applications. Upon completion of the certificate, the student will be able to assist electrical journeymen in the field from job layout to cleanup.

This program is designed for full-time, daytime track students to be completed within 12 months. Fall term start only. This program consists of both online learning and on-campus lab experiences. Students must have access to a computer and the internet. Departmental consent is required to register for the program. This program is financial aid eligible.

Candidates must:

- Be at least 18 years of age;
- Apply and be accepted at Seminole State College
- If non-exempt, complete the Form 9, Level D Test of Adult Basic Education (TABE) and successfully meet the following minimum scores to complete the program:
  - Language: 568
  - Math: 579
  - Reading: 570

**Total program hours: 1200**

**Required Courses**

The following courses are designed to be taken in consecutive order, one class at a time.

<table>
<thead>
<tr>
<th>Code</th>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BCV 0604C</td>
<td>Electrician Helper</td>
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<tr>
<td>BCV 0641C</td>
<td>Residential Electricity I</td>
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<tr>
<td>BCV 0642C</td>
<td>Residential Electricity II</td>
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<tr>
<td>BCV 0653C</td>
<td>Commercial Electricity I</td>
<td>150</td>
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</table>

**PSAVC, General Building Maintenance and Repair Specialist**

**Post-Secondary Adult Vocational Certificate**

**Major Code: GENBLD-VC CIP: 0646041506**

**Program Description**

As the residential and commercial real estate markets continue to improve, the demand for a skilled general building maintenance and repair workforce will continue to increase. Home remodeling and upgrades for aging homes, foreclosed properties and commercial properties such as churches, apartments and office buildings all require maintenance and repairs. This certificate program prepares students to understand the construction of a building, building systems such as electrical, plumbing, heating/air conditioning and to develop the technical skills to keep the building properly operating. Basic technical skills in carpentry, drywall installation, masonry and painting will be developed through hands-on learning experiences in a lab setting. Complementing the technical aspect of the program, students are introduced to business practices including contracts, project management processes for on-time delivery of projects, general employability and entrepreneurship skills. This certificate program offers a broad foundation of knowledge and skills to prepare students for employment in the facilities maintenance or construction-related industries.

**Note:** Departmental consent is required to register for this program. Department will provide recommended course sequence.

**Total program hours: 900**

**Required Courses**

<table>
<thead>
<tr>
<th>Code</th>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BCV 0011C</td>
<td>Construction Safety Skills</td>
<td>75</td>
</tr>
<tr>
<td>BCV 0004</td>
<td>Construction Science and Math Skills</td>
<td>75</td>
</tr>
<tr>
<td>BCV 0188C</td>
<td>Introduction to Drywall and Painting</td>
<td>75</td>
</tr>
<tr>
<td>BCV 0129C</td>
<td>Basic Carpentry Skills</td>
<td>75</td>
</tr>
</tbody>
</table>
BCV 0331C  Introduction to Masonry  75
BCV 0513L  Basic Plumbing Skills  75
BCV 0441C  Principles of Heating, Air Conditioning Systems  75
BCV 0910C  Project Management Skills  75
BCV 0551C  Introduction to Fire Sprinkler Systems  60
BCV 0600C  Basic Electrical Skills  120
BCV 0942C  Building Maintenance Capstone  120

PSAVC, Welding Technologies
Post-Secondary Adult Vocational Certificate
Major Code: WELDTEC-VC  CIP: 0648050805
Program Description

This program offers a sequence of courses that provides coherent and rigorous content aligned with challenging academic standards and relevant technical knowledge and skills needed to prepare for further education and careers in the manufacturing cluster. The program provides technical skill proficiency and includes competency-based applied learning that contributes to the academic knowledge, higher-order reasoning and problem-solving skills, work attitudes, general employability skills, occupation-specific skills and knowledge of all aspects of the manufacturing career cluster. This program offers a broad foundation of knowledge and skills to prepare students for employment in the welding industry.

Candidates must:

• Be at least 18 years of age;
• Apply and be accepted at Seminole State
• If non-exempt, complete the Form 9, Level D Test of Adult Basic Education (TABE) and successfully meet the following minimum scores to complete the program:
  ◦ Math 579:
  ◦ Language: 568
  ◦ Reading: 570

Note: Departmental consent is required to register for this program for all tracks. This program is financial aid eligible.

Total program hours: 1050

Required Courses

Pre-requisite for all coursework: student must complete course with a grade of "C" or higher to continue to the next sequence of courses.

The following courses are designed to be taken in consecutive order, one class at a time.

PMT 0070C  Welder Assistant 1  150
PMT 0071C  Welder Assistant 2  150
PMT 0072C  Welder SMAW 1  150
PMT 0073C  Welder SMAW 2  150
PMT 0074C  Welder  450

BS, Engineering Technology
Bachelor of Science
Major Code: AET-BS  CIP: 1101501011
Program Description

The Bachelor of Science (B.S.) in Engineering Technology program emphasizes the application of existing scientific and engineering techniques to solve real-world problems found in engineering settings. The program develops the student’s knowledge and skills to plan, design, inspect, construct/fabricate, operate, and maintain engineering systems, infrastructure and buildings.

Profession

Engineering Technology is one of the most exciting technical careers. Employment and job opportunities are strong. The business world needs people who can solve problems and get things done. This matches perfectly with Engineering Technology. Technologists apply engineering and scientific knowledge with
technical skills to support engineering activities. They typically concentrate their activities on applied design, using current engineering practice. Technologists play key roles on the engineering team: they are involved in product development, manufacturing, product assurance, sales and program management. They typically pursue careers in such areas as engineering production and design, building systems design, surveying, GIS, civil and site development, mechatronics and robotics, alternative energy, green and sustainable design, and engineering/project management. For students who are problem-solvers and who have a “can do” spirit, Engineering Technology is a great choice.

Career Opportunities

- Civil, Site & Surveying Engineering Technologist
- Mechatronics & Robotics Engineering Technologist
- Engineering & Technology Program Management
- Sustainable Engineering Technologist
- Design, Modeling & Simulation Engineering Technologist
- Industrial & Manufacturing Manager
- Operations & Maintenance Manager

Job Outlook

Employment of engineering technologists is projected to grow 15 percent from 2012 to 2022, faster than the average for all occupations. The median annual wage for engineering technologists was $80,890 in May 2012 (Source: Bureau of Labor Statistics). Per Forbes, A Bachelor of Science in Engineering Technology is ranked as the eighth highest paying degree for college graduates.

Placement and Salary Information

Visit Smart-College-Choices.com to access employment numbers and the estimated average, annual full-time wage for graduates of this program.

Program Admission

Applicants seeking admission to Seminole State College’s bachelor’s degree programs must comply with the College’s General Admissions procedures. In addition, students must meet the following program-specific requirements listed below prior to being accepted into upper-division coursework:

- Completion of Associate in Arts (A.A.) or bachelor’s degree from a regionally accredited institution or completion of selected Associate in Science (A.S.) degrees in related areas from any regionally accredited Florida institution:
  - A.S., Architectural Design and Construction Technology (CIP 1615010100)
  - A.S., Architectural Design and Drafting Technology (CIP 1615010100)
  - A.S., Civil Engineering (CIP 1715020101)
  - A.S., Electronics Engineering Technology (CIP 1615000001)
  - A.S., Engineering Technology (CIP 1615030301)
  - A.S., Environmental Science Technology (CIP 1715059901)
  - A.S., Industrial Management Technology (CIP 1606200101)
  - A.S., Manufacturing Technology (CIP 1615060302)
  - A.S., Naval Architecture and Yacht Design (CIP 1614220100)
  - A.S., Safety Engineering Technology (CIP 1615070101)
  - A.S., Technology Project Management (CIP 1506120107)
- 60-plus credit hours from a regionally accredited institution with at least 18 credit hours in Engineering or Engineering Technology satisfies requirements for admissions into the program.

All other degrees will be evaluated by the faculty committee on a case-by-case basis.

- A GPA of 2.0 or higher.
- Program Progression Requirements: once admitted, students must achieve (or have achieved) a grade of “C” or higher in the following courses:
  - Civil, Site & Surveying Specializations
  - Production & Design Specializations
  - ARC 1301 Architectural Design I
  - BCN 2230 Construction Materials and Methods
  - ETD 1340C Computer-Aided Design II
  - SUR 2101C Surveying
  - Mechatronics & Robotics Specialization
• **Sustainable Engineering Specialization**
• ETI 1420C Materials & Processes for Engineering Tech.
• ETI 1843C Motors and Controls
• ETM 1010C Mechanical Measurement & Instrumentation
• ETM 2315C Hydraulic and Pneumatic Systems
• **Engineering and Project Management (choose one group)**
  • ARC 1301 Architectural Design I
  • BCN 2230 Construction Materials and Methods
  • ETD 1340C Computer-Aided Design II
  • SUR 2101C Surveying

• Or

• ETI 1420C Materials & Processes for Engineering Tech.
• ETI 1843C Motors and Controls
• ETM 1010C Mechanical Measurement & Instrumentation
• ETM 2315C Hydraulic and Pneumatic Systems
• **All Specializations**
• MAC 2233 Concepts of Calculus OR MAC 2311 Analytic Geometry and Calculus I
• PHY 1053C Physics I or higher
• STA 2023 Statistical Methods OR MAC 2312 Analytic Geometry w/ Calculus II

**Required Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>COP 1000</td>
<td>Principles of Computer Programming</td>
<td>3</td>
</tr>
<tr>
<td>EET 1035C</td>
<td>Fundamentals of AC/DC Electricity</td>
<td>4</td>
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<tr>
<td>EGS 1006</td>
<td>Introduction to the Engineering Profession</td>
<td>1</td>
</tr>
<tr>
<td>EGN 1111C</td>
<td>Engineering Graphics - Drawing</td>
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<tr>
<td>EGN 1007</td>
<td>Engineering Concepts and Methods</td>
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<tr>
<td>ETD 1320C</td>
<td>Computer-Aided Design I</td>
<td>3</td>
</tr>
<tr>
<td>ETD 2364C</td>
<td>Introduction to SolidWorks</td>
<td>3</td>
</tr>
<tr>
<td>ETG 2502</td>
<td>Statics</td>
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Note: ETG 2502 must be completed with a grade of “C” or higher.

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>ETG 3533C</td>
<td>Applied Engineering Strengths of Materials</td>
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<td>ETG 4950</td>
<td>Senior Design Capstone</td>
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<tr>
<td>ETI 3671</td>
<td>Technical Economic Analysis</td>
<td>3</td>
</tr>
<tr>
<td>ETM 3331C</td>
<td>Applied Thermodynamics &amp; Fluid Mechanics</td>
<td>3</td>
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<tr>
<td>MAN 3025</td>
<td>Management of Organizations</td>
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<tr>
<td>MTB 1329</td>
<td>Applied Mathematical Concepts for Engineering Technology</td>
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</tr>
<tr>
<td>MAC 1114</td>
<td>Trigonometry</td>
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**Elective Courses**

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**Elective Credits**

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<th>Credits</th>
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<tbody>
<tr>
<td></td>
<td>18</td>
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</table>

**Engineering Technology Specializations**

34

Choose 34 credits from any of the following specializations:

• Civil, Site and Surveying
• Production and Design
• Engineering and Project Management
• Mechatronics and Robotics
• Sustainable Engineering

**Civil, Site and Surveying Specialization**

34

**Required Specialization Courses**

<table>
<thead>
<tr>
<th>Title</th>
<th>Credits</th>
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<td></td>
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<table>
<thead>
<tr>
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<th>Title</th>
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<tbody>
<tr>
<td>ARC 1301</td>
<td>Architectural Design I</td>
</tr>
<tr>
<td>BCN 2230</td>
<td>Construction Materials and Methods I</td>
</tr>
<tr>
<td>ETD 1340C</td>
<td>Computer-Aided Design II</td>
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<table>
<thead>
<tr>
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<th>Credits</th>
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<tr>
<td>SUR 2101C</td>
<td>Surveying</td>
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<td><strong>Specialization Electives</strong></td>
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<tr>
<td>ETC 3270</td>
<td>Building Systems</td>
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<tr>
<td>ETC 4260C</td>
<td>Site Development and Feasibility</td>
<td>3</td>
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<tr>
<td>ETC 4414C</td>
<td>Applied Structural Design I</td>
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<tr>
<td>ETD 3555</td>
<td>Applied Site and Survey Mapping</td>
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</tr>
<tr>
<td>GIS 3015C</td>
<td>Introduction to GIS with Lab</td>
<td>3</td>
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<td>SUR 3205</td>
<td>Engineering and Construction Surveying</td>
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<td><strong>Choose 3 credits from any other BSET Specialization</strong></td>
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<td><strong>Production and Design Specialization</strong></td>
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<tr>
<td></td>
<td><strong>Required Specialization Courses</strong></td>
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<tr>
<td>ARC 1301</td>
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<td>3</td>
</tr>
<tr>
<td>BCN 2230</td>
<td>Construction Materials and Methods I</td>
<td>3</td>
</tr>
<tr>
<td>ETD 1340C</td>
<td>Computer-Aided Design II</td>
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<td>SUR 2101C</td>
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<td></td>
<td><strong>Specialization Electives</strong></td>
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<tr>
<td>BCN 4258</td>
<td>Building Information Modeling (BIM)</td>
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<tr>
<td>ETC 3270</td>
<td>Building Systems</td>
<td>3</td>
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<tr>
<td>ETD 2390</td>
<td>Computer-Aided Design III (Revit)</td>
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<tr>
<td>ETD 2391</td>
<td>Computer-Aided Design IV (Advanced Revit)</td>
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<td><strong>Choose 9 credits from any other BSET Specialization</strong></td>
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<td><strong>Engineering and Project Management Specialization</strong></td>
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<tr>
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<td>13</td>
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**Option A**

Choose Option A or B:

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<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>ARC 1301</td>
<td>Architectural Design I</td>
<td>3</td>
</tr>
<tr>
<td>BCN 2230</td>
<td>Construction Materials and Methods I</td>
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<td>ETD 1340C</td>
<td>Computer-Aided Design II</td>
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</tr>
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<td>SUR 2101C</td>
<td>Surveying</td>
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**Option B**

<table>
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<tr>
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<th>Course Title</th>
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<tbody>
<tr>
<td>ETI 1420C</td>
<td>Materials and Processes for Engineering Technology</td>
<td>3</td>
</tr>
<tr>
<td>ETI 1843C</td>
<td>Motors and Controls</td>
<td>3</td>
</tr>
<tr>
<td>ETM 1010C</td>
<td>Mechanical Measurement and Instrumentation</td>
<td>3</td>
</tr>
<tr>
<td>ETM 2315C</td>
<td>Hydraulic and Pneumatic Systems</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td><strong>Specialization Electives</strong></td>
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<tr>
<td>ETI 3440</td>
<td>Project Management National Standards</td>
<td>3</td>
</tr>
<tr>
<td>ETI 3442</td>
<td>Project Planning</td>
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<tr>
<td>ETI 3630</td>
<td>Leading Project Teams</td>
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<tr>
<td>ETI 4115</td>
<td>Project Quality and Risk Management</td>
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<tr>
<td></td>
<td><strong>Choose 9 credits from any other BSET Specialization</strong></td>
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</table>

**Mechatronics and Robotics Specialization**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ETI 1420C</td>
<td>Materials and Processes for Engineering Technology</td>
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</tr>
<tr>
<td>ETI 1843C</td>
<td>Motors and Controls</td>
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<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>ETM 1010C</td>
<td>Mechanical Measurement and Instrumentation</td>
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<td>ETM 2315C</td>
<td>Hydraulic and Pneumatic Systems</td>
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</tr>
<tr>
<td>CDA 3100</td>
<td>Introduction to Computer Architecture</td>
<td>3</td>
</tr>
<tr>
<td>CET 4367</td>
<td>Microcontroller Devices</td>
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</tr>
<tr>
<td>CIS 3360</td>
<td>Principles of Security</td>
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</tr>
<tr>
<td>COP 3330</td>
<td>Object-Oriented Programming</td>
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<tr>
<td>COT 3103</td>
<td>Discrete Computational Analysis</td>
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<tr>
<td>ETI 4480</td>
<td>Applied Robotics</td>
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<tr>
<td>ETS 3608</td>
<td>Robotics</td>
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<tr>
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<td>ETI 1843C</td>
<td>Motors and Controls</td>
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<tr>
<td>ETM 1010C</td>
<td>Mechanical Measurement and Instrumentation</td>
<td>3</td>
</tr>
<tr>
<td>ETM 2315C</td>
<td>Hydraulic and Pneumatic Systems</td>
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<tr>
<td>IND 2622</td>
<td>Sustainability in the Built Environment</td>
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<td>MAN 3781</td>
<td>Sustainable Business Strategies</td>
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<tr>
<td>PUP 2230</td>
<td>Energy and Environmental Policy</td>
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**General Education Courses**

- Communications General Education courses: 9
- History General Education course: 3
- Humanities General Education courses: 6

**Mathematics General Education Courses**

- MAC 2233 Concepts of Calculus: 3
- or higher level mathematics course
- STA 2023 Statistical Methods I: 3
- or
- MAC 2311 Analytic Geometry and Calculus I: 5
- or higher level mathematics course
- MAC 2312 Analytic Geometry and Calculus II: 5

**Science General Education Courses**

- PHY 1053C General Physics I: 4
- or higher level Physics course
- and
- Science General Education Course from Area A (Biological Science) or Area B (Earth Science)
Social Science General Education courses 6

Total Credits: 128.00

BS, Information Systems Technology
Bachelor of Science
Major Code: IST-BS CIP: 1101101034

Program Description

The Bachelor of Science in Information Systems Technology (B.S.I.S.T.) degree program provides students with the critical skills and knowledge required to direct and control computerized information resources within diverse organizational settings. The study of Information Systems Technology provides professionals with the expertise and knowledge to support the design, planning and management of information infrastructures, as well as coordinate information resources. The curriculum provides knowledge of the concepts upon which information systems are based and applies this understanding by analyzing applications to real-world problems and designing suitable solutions. The B.S.I.S.T. degree program addresses the need for information systems technology professionals with systems management and development expertise. The student can elect to take the Security Track which is aligned with the specific task expected of today’s network security professional. The Bachelor of Science degree in Information Systems Technology consists of 120 credits, including 36 credits of General Education courses.

Program Admission

Applicants seeking admission to Seminole State College’s bachelor’s degree programs must comply with the College’s General Admissions procedures. In addition, students must meet the following program-specific requirements listed below prior to being accepted into upper-division coursework:

- Completion of an Associate in Arts (A.A.) or bachelor’s degree from a regionally accredited institution or completion of selected Associate in Science (A.S.) degrees from any regionally accredited Florida institution:
  - A.S., Information Systems Technology (CIP 1507030401)
  - A.S., Computer Information Technology (CIP 1507030600)
  - A.S., Computer Programming and Analysis (CIP 1507030500)
  - A.S., Computer Programming and Analysis Web Programming Specialization (CIP 1507030500)
  - A.S., Network Services Technology (CIP 1507030401)

All other degrees will be evaluated by the faculty committee on a case-by-case basis.

- A GPA of 2.0 or higher.
- Program progression requirements: once admitted, students must achieve (or have achieved) a grade of “C” or higher in the following courses:
  - Programming and Cyber Security Specializations:
    - CET 1179 Network Concepts and Operating Systems
    - CET 1600C Cisco Networking Fundamentals (Net+)
    - CGS 2545C Database Management
    - COP 1000 Principles of Computer Programming
    - ECO 2023 Principles of Economics (MACRO) or ECO 2013 Principles of Economics (MICRO)
    - MAC 1105 College Algebra or higher
    - STA 2023 Statistical Methods or MAC 1114 or higher level mathematics course

Required Courses 39

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>CDA 3100</td>
<td>Introduction to Computer Architecture</td>
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</tr>
<tr>
<td>CET 1179</td>
<td>Network Concepts and Operating Systems</td>
<td>3</td>
</tr>
<tr>
<td>CET 1600C</td>
<td>Cisco Networking Fundamentals (Net+)</td>
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</tr>
<tr>
<td>CET 3505</td>
<td>Computer Operating Systems</td>
<td>3</td>
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<tr>
<td>CGS 2545C</td>
<td>Database Management</td>
<td>3</td>
</tr>
<tr>
<td>Course Code</td>
<td>Course Title</td>
<td>Credits</td>
</tr>
<tr>
<td>------------</td>
<td>----------------------------------------------------------</td>
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<tr>
<td>CIS 3360</td>
<td>Principles of Security</td>
<td>3</td>
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<tr>
<td>CIS 4891</td>
<td>Capstone Project</td>
<td>3</td>
</tr>
<tr>
<td>CNT 4504</td>
<td>Computer Networks and Distributed Processing</td>
<td>3</td>
</tr>
<tr>
<td>COP 1000</td>
<td>Principles of Computer Programming</td>
<td>3</td>
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<tr>
<td>COP 3703</td>
<td>Database Design/Architecture</td>
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</tr>
<tr>
<td>COT 3103</td>
<td>Discrete Computational Analysis</td>
<td>3</td>
</tr>
<tr>
<td>ISM 3113</td>
<td>Information Systems Analysis and Design</td>
<td>3</td>
</tr>
<tr>
<td>ISM 4314</td>
<td>Project Management</td>
<td>3</td>
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<tr>
<td></td>
<td><strong>Elective Courses</strong></td>
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</tr>
<tr>
<td></td>
<td>Choose from 1 of the following Specializations:</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Cyber Security</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Programming</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Cyber Security Specialization</strong></td>
<td>31</td>
</tr>
<tr>
<td></td>
<td>Prerequisite courses for the Cyber Security Specialization</td>
<td>7</td>
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<tr>
<td>CET 1178C</td>
<td>Network Computer Maintenance and Repair (A+)</td>
<td>3</td>
</tr>
<tr>
<td>CTS 1168C</td>
<td>Configuring Windows Devices (70-697 exam)</td>
<td>4</td>
</tr>
<tr>
<td>or</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CTS 1327C</td>
<td>Configuring Windows 8 (70-687 exam/MCSA)</td>
<td>4</td>
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<tr>
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<td><strong>Cyber Security Specialization</strong></td>
<td>24</td>
</tr>
<tr>
<td>CIS 4361</td>
<td>Applied Security</td>
<td>3</td>
</tr>
<tr>
<td>CET 3679</td>
<td>Principles of Telephony</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Programming Specialization</strong></td>
<td>27</td>
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<td></td>
<td>Prerequisite courses for the Programming Specialization</td>
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</tr>
<tr>
<td>COP 2800</td>
<td>Programming in Java</td>
<td>3</td>
</tr>
<tr>
<td>COP 2805</td>
<td>Advanced Java Programming</td>
<td>3</td>
</tr>
<tr>
<td>CGS 2100C</td>
<td>Computer Applications</td>
<td>3</td>
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<tr>
<td></td>
<td>Programming Specialization</td>
<td>18</td>
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<tr>
<td>CEN 3024</td>
<td>Software Development I</td>
<td>3</td>
</tr>
<tr>
<td>CEN 4025</td>
<td>Software Development II</td>
<td>3</td>
</tr>
<tr>
<td>CEN 4333</td>
<td>Advanced Database Development</td>
<td>3</td>
</tr>
<tr>
<td>CEN 4802</td>
<td>Software Integration, Configuration and Testing</td>
<td>3</td>
</tr>
<tr>
<td>COP 4655</td>
<td>Application Development for Mobile Devices</td>
<td>3</td>
</tr>
<tr>
<td>COP 4813</td>
<td>Web Applications Programming</td>
<td>3</td>
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<tr>
<td></td>
<td><strong>General Education Courses</strong></td>
<td>36</td>
</tr>
<tr>
<td></td>
<td>Upper or Lower Division Electives</td>
<td>14</td>
</tr>
</tbody>
</table>
Communications General Education courses 9
History General Education course 3
Humanities General Education courses 6
Mathematics General Education courses 6
Science General Education courses 6
Social Science General Education courses 6

Foundation Courses

Foundation courses may be applied towards elective and certain General Education requirements

CET 1179 Network Concepts and Operating Systems 3
or higher level course in computer operating systems

CET 1600C Cisco Networking Fundamentals (Net+) 3
or higher level course in networking fundamentals

CGS 2545C Database Management 3
or higher level course in database management and/or systems

COP 1000 Principles of Computer Programming 3
or higher level programming course in the following computer languages: JAVA, C++, C# or Visual Basic

MAC 1105 College Algebra 3
or higher level MAC prefix course

STA 2023 Statistical Methods I 3
or higher level Statistics course

or

MAC 1114 Trigonometry 3

Choose 1 economics course:

ECO 2013 Principles of Economics (MACRO) 3
or

ECO 2023 Principles of Economics (MICRO) 3

Total Credits: 120.00

BACC CPP, Project Management Certificate of Professional Preparation
Major Code: PMT-BC CIP: 5555202990

Program Description

The Project Management Certificate Program introduces students to all areas of project management, from project initiation through closure. Students will learn how to scope a project, create a plan baseline that includes a schedule and time-phased budget and address the quality parameters of the project. The curriculum also reviews human resource management, proper project communication and procurement techniques and how to identify and manage project risks. The final required class is a capstone course that requires students to apply what they have learned during the program. This certificate is upward compatible with the Bachelor of Science (B.S.) degree, Engineering Technology.

Program Admission

Admission Criteria: Baccalaureate degree from a regionally accredited institution.

Required Courses

15

ETI 3442 Project Planning 3
ETI 3630 Leading Project Teams 3
ETI 4115 Project Quality and Risk Management 3
ETI 4448 Applied Project Management 3
AS, Architectural Engineering Technology
Associate in Science
Major Code: AET-AS CIP: 1715020101

Program Description

Students will learn the engineering and design requirements for a project within the built environment, receiving a strong math and science foundation that will prepare them for the architecture/engineering/construction industry. With an understanding of the basic principles and technical aspects of the industry, students graduating from the program will typically work for an architect, engineer, contractor or subcontractor. Graduates who would like to continue their formal education may continue toward Seminole State’s B. S. in Engineering Technology or B. S. in Construction degrees or may take advantage of university programs in engineering technology.

Profession

Architectural engineering technicians use engineering principles and technical skills to help architects, engineers and planners develop buildings and related systems, such as lighting and communications systems. They analyze building sites, draw plans, create building models and test designs. Related engineering technology professions include civil engineering technicians. They assist engineers in the planning and design of highways, bridges, utilities, buildings and other major projects. They also help with commercial, residential and land development. Mechanical engineering technicians help mechanical engineers design, develop, test and manufacture industrial machinery, consumer products and other equipment. They may make sketches and rough layouts, record and analyze data, make calculations and estimates and report their findings. Industrial engineering technicians plan ways to effectively use personnel, materials and machines in factories, stores, hospitals repair shops and offices. They may also prepare machinery and equipment layouts, plan work flows, conduct statistical production studies and analyze production costs.

Career Opportunities

Graduates of this program have a number of employment options such as:

- Architectural Engineering Technician
- Civil Engineering Technician
- Industrial Engineering Technician
- Mechanical Engineering Technician
- Surveying and Mapping Technician

Job Outlook

Employment in these fields is expected to grow between 5 to 20 percent from now until 2020. For surveying and mapping technicians, recent advancements in mapping technology have led to new uses for maps and a need for more of the data used to build maps. As a result, surveying and mapping technicians are expected to have more work. Civil engineering technicians will be needed to manage projects to rebuild bridges, repair roads and upgrade levees and dams as infrastructure continues to age. Mechanical engineering technicians will see a slight growth in their field, especially for those who can master new software and technology. (Source: Bureau of Labor Statistics).

Degree Transfer

The A.S. Degree in Engineering Technology will transfer to the Seminole State College's Bachelor of Science in Architectural Engineering Technology or the Bachelor of Science in Construction degrees or may take advantage of university programs in engineering technology.

Certifications

The following industry certifications are related to the education in the A.S. Degree Engineering Technology program:

- Autodesk Certified Professional – Inventor, ADESK024
- Autodesk Certified User - Autodesk Inventor, ADESK011
• MSSC Certified Production Technician (CPT), MSSCN001

Placement and Salary Information

Visit Smart-College-Choices.com to access employment numbers and the estimated average, annual full-time wage for graduates of this program.

College Credit Certificates

Students may complete the following college credit certificates as part of the A.S. in Architectural Engineering Technology degree:

• Advanced Computer-Aided Design
• Computer-Aided Design
• Sustainable Engineering

Required Courses 34

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARC 1301</td>
<td>Architectural Design I</td>
<td>3</td>
</tr>
<tr>
<td>BCN 2230</td>
<td>Construction Materials and Methods I</td>
<td>3</td>
</tr>
<tr>
<td>COP 1000</td>
<td>Principles of Computer Programming</td>
<td>3</td>
</tr>
<tr>
<td>EET 1035C</td>
<td>Fundamentals of AC/DC Electricity</td>
<td>4</td>
</tr>
<tr>
<td>EGS 1006</td>
<td>Introduction to the Engineering Profession</td>
<td>1</td>
</tr>
<tr>
<td>EGN 1007</td>
<td>Engineering Concepts and Methods</td>
<td>1</td>
</tr>
<tr>
<td>EGN 1111C</td>
<td>Engineering Graphics - Drawing</td>
<td>3</td>
</tr>
<tr>
<td>ETG 2502</td>
<td>Statics</td>
<td>3</td>
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<tr>
<td>SUR 2101C</td>
<td>Surveying</td>
<td>4</td>
</tr>
<tr>
<td>ETD 1320C</td>
<td>Computer-Aided Design I</td>
<td>3</td>
</tr>
<tr>
<td>ETD 1340C</td>
<td>Computer-Aided Design II</td>
<td>3</td>
</tr>
<tr>
<td>MTB 1329</td>
<td>Applied Mathematical Concepts for Engineering Technology</td>
<td>3</td>
</tr>
</tbody>
</table>

Elective Courses 4

Any College Credit course not already required.

General Education Courses 25

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101</td>
<td>English I</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Humanities General Education course</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Mathematics General Education courses</td>
<td>6</td>
</tr>
<tr>
<td>STA 2023</td>
<td>Statistical Methods I recommended</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Science General Education course</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Select a course from Science Area A or B</td>
<td></td>
</tr>
<tr>
<td>PHY 1053C</td>
<td>General Physics I</td>
<td>4</td>
</tr>
<tr>
<td>SPC 1608</td>
<td>Introduction to Oral Communication</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credits: 63.00

AS, Computer Aided Drafting and Design Associate in Science

Major Code: DRAFT-AS CIP: 1615130102

Program Description

The Computer-Aided Drafting and Design A.S. degree program provides students with a broad base of design and drafting skills that can be applied in the field of architecture, engineering, construction and manufacturing.

Profession

In the exciting and growing field of CADD, drafting and design technicians use software to convert the designs of engineers and architects into technical drawings and plans. Job opportunities are strong. They are an essential component in the design team.
Workers in production and construction use these plans to build everything from microchips to skyscrapers. Industry needs are great. Developments in new technology are causing entry-level requirements to rise. An associate’s degree is the typical level of education needed to enter the occupation. Drafting and design technicians need skills from academic programs so that they may move into the work of designing directly for professionals such as engineers and architects. For students who seek a career in a solid and growing field, CADD is a great choice.

Career Opportunities

Graduates of this program have a number of employment options such as:

• Advertising, public relations, and related services
• Building Drafter
• Civil Computer-Aided Design and Drafting Technician
• Manufacturing Drafter
• Structural Drafter

Job Outlook

Employment in this field is expected to grow by 6 percent from now until 2020 (Source: Bureau of Labor Statistics). Developments in software programs used by drafters and other professionals they work with are changing the nature of drafters’ work and how this work will have to be done.

College Credit Certificates

Students may complete the following college credit certificates as part of the Computer-Aided Drafting and Design degree:

• Advanced Computer-Aided Design Certificate
• Building Construction Technology Technical Certificate
• Computer-Aided Design Technical Certificate
• Sustainability Technical Certificate

Certifications

The following industry certifications are related to the training in the A.S. Degree Computer Aided Drafting and Design program:

• Autodesk Certified Associate – AutoCAD, (ADESK016)
• Autodesk Certified Professional – AutoCAD, (ADESK021)
• Autodesk Certified User – AutoCAD, (ADESK002)

Additional industry certifications may be available for college credit certificate programs.

Placement and Salary Information

Visit Smart-College-Choices.com to access employment numbers and the estimated average, annual full-time wage for graduates of this program.

Required Courses

ARC 1301 Architectural Design I 3
BCN 2230 Construction Materials and Methods I 3
BCN 2272 Blueprint Reading 3
ETD 2364C Introduction to SolidWorks 3
EGN 1111C Engineering Graphics - Drawing 3
ETD 1320C Computer-Aided Design I 3
ETD 1340C Computer-Aided Design II 3
ETD 2390 Computer-Aided Design III (Revit) 3
ETD 2391 Computer-Aided Design IV (Advanced Revit) 3
MTB 1329 Applied Mathematical Concepts for Engineering Technology 3
SUR 2101C Surveying 4

Elective Courses 13
13 credits of electives Required. Must choose 6 credits of Technical Electives from the following list:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BCN 1221</td>
<td>Principles of Building Construction</td>
<td>3</td>
</tr>
<tr>
<td>BCN 2721</td>
<td>Construction Scheduling and Planning</td>
<td>3</td>
</tr>
<tr>
<td>BCT 2770</td>
<td>Estimating Fundamentals</td>
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</tr>
<tr>
<td>EET 1035C</td>
<td>Fundamentals of AC/DC Electricity</td>
<td>4</td>
</tr>
<tr>
<td>EGN 1007</td>
<td>Engineering Concepts and Methods</td>
<td>1</td>
</tr>
<tr>
<td>EGS 1006</td>
<td>Introduction to the Engineering Profession</td>
<td>1</td>
</tr>
<tr>
<td>ETD 2372C</td>
<td>Design Analysis and Rapid Prototyping</td>
<td>3</td>
</tr>
<tr>
<td>ETG 2502</td>
<td>Statics</td>
<td>3</td>
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</table>

Note: ETG 2502 must be completed with a grade of “C” or higher.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>GIS 1000</td>
<td>Cartographic Design Basics</td>
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<tr>
<td>GIS 1040</td>
<td>Fundamentals of Geographic Information</td>
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<tr>
<td>IND 1935C</td>
<td>Building Codes and Accessibility</td>
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<tr>
<td>IND 1488</td>
<td>Interior Finishes and Building Components</td>
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</tr>
<tr>
<td>IND 2402</td>
<td>Kitchen and Bathroom Planning Standards and Safety Criteria</td>
<td>3</td>
</tr>
<tr>
<td>IND 2463</td>
<td>Introduction to 2020 Software</td>
<td>3</td>
</tr>
<tr>
<td>DIG 2023C</td>
<td>Introduction to 3D Printing</td>
<td>3</td>
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<td>DIG 2090</td>
<td>Entrepreneurship for Designers</td>
<td>3</td>
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<td>ETD 2731C</td>
<td>Mechanical, Electrical, Plumbing Design and Drafting</td>
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<tr>
<td>ETP 2050</td>
<td>Energy Analysis</td>
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<td>ETP 2502</td>
<td>Alternative Energy Sources</td>
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<tr>
<td>IND 2622</td>
<td>Sustainability in the Built Environment</td>
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</tr>
<tr>
<td>ETP 2410</td>
<td>Solar Photovoltaic (PV) Systems</td>
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<tr>
<td>ETP 2420</td>
<td>Solar Thermal Systems</td>
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<td>BCN 2599</td>
<td>Green Building and Energy Efficiency</td>
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<td>ENC 1101</td>
<td>English I</td>
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<td>Humanities General Education course</td>
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<td>Mathematics General Education course</td>
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<td>Science General Education course</td>
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<td>Social Science General Education course</td>
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</tr>
</tbody>
</table>

**Total Credits:** 62.00

**AS, Computer Programming and Analysis Associate in Science**

**Major Code:** CMPPA-AS  CIP: 1511020101

**Program Description**

Seminole State’s Associate in Science (A.S.) degree in Computer Programming and Analysis provides students with practical knowledge and hands-on training in the foundations of computer technology, databases, Web applications, user applications and computer programming. Elective specializations include Computer Programming, Web Development and the AS to BS (IST) Programming Track. This A.S. degree articulates to Seminole State’s B.S. in Information Systems Technology (Programming Specialization) as well as UCF’s Bachelor’s of Software Development degree.

**Profession**

Computer programmers and analysts are high-tech linguists. Computer programmers write the code and
create the languages and software programs computers follow to operate. Additionally, systems programmers oversee the work of computer programmers and serve as technical advisors to systems analysts, application programmers and operations personnel.

Career Opportunities

Graduates of this program are employed as:

- Applications Programmers
- Computer Programmers
- Software Testers
- Systems Analysts
- Systems Programmers
- Web Developments
- Web Masters
- Web Programmers

Job Outlook

Considered one of Central Florida’s high-skill, high-wage occupations, employment in the computer programming field is expected to grow by 12 percent (about as fast as average) through 2020 (Source: Bureau of Labor Statistics).

College Credit Certificates

Students pursuing this degree also may obtain the following college credit certificates:

- Computer Programming Certificate
- Computer Programming Specialist Certificate
- Information Technology Analysis Certificate
- Web Development Certificate

Certifications

Graduates of this program MAY BE qualified to earn the following industry certifications:

- CIW Internet Business Associate
- CIW Site Development Associate
- CIW Web Design Specialist
- CIW Web Foundations Associate
- CIW JavaScript Specialist
- CIW Database Design Specialist
- Microsoft Office Access 2013
- Microsoft Office Excel 2013 Expert Part One
- Microsoft Office Excel 2013 Expert Part Two
- Microsoft Office PowerPoint 2013
- Microsoft Office Word 2013 Expert Part One
- Microsoft Office Word 2013 Expert Part Two
- Microsoft Technology Associate (MTA) Database
- Microsoft Technology Associate (MTA) Software Development
- Microsoft Technology Associate (MTA) Programming in C#
- Oracle Certified Associate Java SE Programmer
- Oracle Certified Professional Java SE Programmer

Degree Transfer

Seminole State’s A.S. Degree in Computer Programming and Analysis will transfer to the College’s Bachelor of Science (B.S.) in Information Systems Technology.

Program Note

Seminole State’s Associate in Science (A.S.) degrees are designed to prepare graduates for immediate entry into their chosen career field and/or transfer into certain baccalaureate programs. Students planning to transfer to a college or university should consult with an academic advisor to ensure completion of all entry requirements for the baccalaureate program of their choice.

Placement and Salary Information

Visit Smart-College-Choices.com to access employment numbers and the estimated average, annual full-time wage for graduates of this program.

Required Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>CET 1179</td>
<td>Network Concepts and Operating Systems</td>
<td>3</td>
</tr>
<tr>
<td>CGS 2100C</td>
<td>Computer Applications</td>
<td>3</td>
</tr>
<tr>
<td>CGS 2545C</td>
<td>Database Management</td>
<td>3</td>
</tr>
<tr>
<td>CIS 2321</td>
<td>Systems Analysis and Design</td>
<td>3</td>
</tr>
<tr>
<td>COP 1000</td>
<td>Principles of Computer Programming</td>
<td>3</td>
</tr>
</tbody>
</table>
COP 2800  Programming in Java  3
COP 2805  Advanced Java Programming  3
COP 2830  Web Programming I  3
COP 2836  Web Programming II  3
CTS 2445  Oracle Structured Query Language (SQL)  3

Choose 3 credits from the following list:  3
CIS 2901C  Case Study in Business Programming  3

or

COP 2949  Cooperative Education Internship in Computer Programming  3

Choose 3 credits from the following list:  3
ENC 1210  Technical Writing  3

or

ENC 1102  English II  3

Choose 3 credits from the following list:  3
CAP 1760  Introduction to Data Analytics  3

or

COP 2831  Web Scripting and AJAX  3

Elective Courses  6

Choose 6 credits of elective courses from 1 of the following Technical Specializations:
• Computer Programming Specialization
• Web Specialization
• AS to BS (IST) Programming Specialization

Computer Programming Specialization  6

COP 1332  Visual Basic Programming  3
COP 2821  Advanced Visual Basic Programming  3
COP 2224  C++ Programming  3
COP 2228  Advanced C++ Programming  3
COP 2360  C# Programming  3
COP 2362  Advanced C# Programming  3
COP 2654C  iPhone Programming  3
COP 2658C  Advanced iPhone Programming  3
COP 2660  Android Programming  3
COP 2662  Advanced Android Programming  3

Web Specialization  6
CET 2760C  Web Server Management  3
COP 2833  Data Driven Websites  3
COP 2822  Web Applications  3

AS to BS (IST) Programming Specialization  6
CET 1600C  Cisco Networking Fundamentals (Net+)  3
MAC 1105  College Algebra  3

or higher level MAC prefix course

General Education Courses  15
ENC 1101  English I  3
SPC 1608  Introduction to Oral Communication  3

Humanities General Education course  3
Mathematics General Education course  3
Note: STA 2023 strongly recommended for AS to BS (IST) Specialization

Social Science General Education course 3

Total Credits: 60.00

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**AS, Digital Design**

**Associate in Science**

Major Code: GRDIG-AS CIP: 1611080300

**Program Description**

The Digital Design Program offers students the skills and training needed to work as a digital media professional through the creation of appealing and engaging content. Our hands-on approach gives the student the communication, production and technical proficiency training techniques needed to make sophisticated choices in the creation of digital media art. The student is challenged to go beyond their depth of creativity while exploring an array of recent methods and approaches currently used within the field of digital media.

This program not only provides skills training, but also examines the theories behind new methods of conveying information, how audiences take in and react to this type of messaging and how media must adapt its message. Students are taught to work effectively on both an individual basis and as a member of a team, to prepare them for work as an industry professional. Instructors with extensive experience in the field share their insights and experience on what it takes to succeed as a digital media professional.

Throughout the program the student continuously builds a portfolio of their work, showcasing their talents and skills, to present to employers. Digital media students have the choice of customizing their education by specializing in graphic design, web design or entertainment design.

**Profession**

Digital media is a rapidly evolving field offering exciting opportunities to integrate the creative process of art and design with the technology of digital media production. The digital media artist uses visual communication and technologies to inform or entertain audiences. This field combines innovative thinking and creativity with a high level of technical skill. Change in this field is constant as technology progresses. An effective digital media artist must be able to work within a team along with possessing good communication skills. Career opportunities are available within a vast amount of industries such as entertainment, advertising, publication design, 3D modeling and animation, web design and interactivity.

**Career Opportunities**

Some of the career opportunities available for graduating students include:

- 3D Designer
- Advertising Designer
- Animator
- Architectural Renderer
- Art Director
- Book Designer
- Chart/Graph Designer
- Creative Director
- Credits Designer
- CSS Developer
- Curriculum Materials Developer
- Digital Artist
- Digital Illustrator
- Digital Layout Artist
- Editorial Artist
- Editorial Illustrator
- Film/Video Graphic Designer
- Front-End Developer
- Graphic Designer
- Graphic Production Artist
- HTML Developer
- Industrial Designer
- Information Graphic Artist
- Instructional Materials Designer
- Interface Designer
- Magazine Designer
- Newspaper/Page Layout Designer
- Package Designer
- Pre-press Technician
- Presentation Artist
- Product Designer
- Promotions/Publicity
- Publisher
- Storyboard Artist
- Training Video Producer
- Type Designer
- Web Designer
- Web Graphics Designer
- Web Illustrator/Imagist
- Web Production Artist Presentation Designer

**Job Outlook**

Employment in this field is expected to grow by 8 percent from now until 2020. Expected growth will be due to increased demand for animation and visual effects in video games, movies, and television (Source: Bureau of Labor Statistics).

**College Credit Certificates**

Students may complete the following college credit certificates as part of the Digital Design degree:

- Digital and Interactive Media Design Technical Certificate
- Digital Media - Digital Media/Multimedia Production Certificate
- Digital Media - Graphic Design Production Certificate
- Digital Media - Graphic Design Support Certificate
- Digital Media/Multimedia Web Production Certificate
- 3D Modeling & Interactive Media Support Certificate

**Placement and Salary Information**

Visit [Smart-College-Choices.com](http://Smart-College-Choices.com) to access employment numbers and the estimated average, annual full-time wage for graduates of this program.

**Required Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>DIG 2000</td>
<td>Introduction to Digital Media</td>
<td>3</td>
</tr>
<tr>
<td>DIG 2109C</td>
<td>Design Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>DIG 2500C</td>
<td>Fundamentals of Interactive Design</td>
<td>3</td>
</tr>
<tr>
<td>DIG 2581</td>
<td>Portfolio Design</td>
<td>4</td>
</tr>
</tbody>
</table>

**Elective Courses**

Choose 15 credits (Any GRA or DIG courses): 15

**Graphic Design**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GRA 2121</td>
<td>Digital Publishing I</td>
<td>3</td>
</tr>
<tr>
<td>GRA 2122</td>
<td>Digital Publishing II</td>
<td>3</td>
</tr>
<tr>
<td>GRA 2152C</td>
<td>Digital Illustration II</td>
<td>3</td>
</tr>
<tr>
<td>GRA 2207C</td>
<td>Digital Imaging II</td>
<td>3</td>
</tr>
<tr>
<td>GRA 2206</td>
<td>Typography</td>
<td>3</td>
</tr>
</tbody>
</table>

**Web Design**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>DIG 1100C</td>
<td>Web Basics - Understanding the World Wide Web</td>
<td>3</td>
</tr>
<tr>
<td>DIG 1101C</td>
<td>Web Design for Beginners</td>
<td>3</td>
</tr>
<tr>
<td>GRA 2144C</td>
<td>Web Publishing</td>
<td>3</td>
</tr>
<tr>
<td>GRA 2757C</td>
<td>Mobile Web Development</td>
<td>3</td>
</tr>
<tr>
<td>GRA 2142C</td>
<td>Web Effects I</td>
<td>3</td>
</tr>
</tbody>
</table>

**Virtual Environments**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GRA 2157C</td>
<td>Visual Storytelling</td>
<td>3</td>
</tr>
<tr>
<td>DIG 2351</td>
<td>2D Animation</td>
<td>3</td>
</tr>
<tr>
<td>DIG 2302C</td>
<td>3D Modeling and Animation I</td>
<td>3</td>
</tr>
<tr>
<td>DIG 2303</td>
<td>3D Digital Sculpting</td>
<td>3</td>
</tr>
</tbody>
</table>
AS, Engineering Technology
Associate in Science
Major Code: ET-AS CIP: 1615000001
Program Description
The Associate's degree in Engineering Technology offers students a broad foundation in engineering technology and the technical skills needed to support engineering activities, particularly in the design, testing and manufacture of products, systems and devices. Graduates of this program possess the skills necessary to specify, install, test, operate, maintain and document basic mechanical systems. Career opportunities include support operations in manufacturing, plant management, product testing, quality assurance and engineering.

Profession
Engineering Technology is one of the most exciting technical careers. Per Forbes, a Bachelor of Science in Engineering Technology is ranked as the eighth highest paying degree for college graduates. Employment and job opportunities are strong. The business world needs people who can solve problems and get things done. This matches perfectly with Engineering Technology. Engineering technicians may be employed in many different fields of engineering. Civil engineering technicians assist engineers in the planning and design of highways, bridges, utilities, buildings and other major projects. They also help with commercial, residential and land development. Industrial engineering technicians plan ways to effectively use personnel, materials and machines in factories, stores, hospitals repair shops and offices. They may also prepare machinery and equipment layouts, plan work flows, conduct statistical production studies and analyze production costs. Mechanical engineering technicians help mechanical engineers design, develop, test and manufacture industrial machinery, consumer products and other equipment. They may make sketches and rough layouts, record and analyze data, make calculations and estimates and report their findings. For students who are problem solvers and who have a “can do” spirit, Engineering Technology is a great choice.

Career Opportunities
Graduates of this program have a number of employment options such as:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>DIG 2304</td>
<td>3D Environments</td>
<td>3</td>
</tr>
<tr>
<td>DIG 2341</td>
<td>Motion Graphics I</td>
<td>3</td>
</tr>
<tr>
<td>DIG 2023C</td>
<td>Introduction to 3D Printing</td>
<td>3</td>
</tr>
<tr>
<td>DIG 2949</td>
<td>Cooperative Education Internship in Digital Media</td>
<td>3</td>
</tr>
<tr>
<td>GRA 2949</td>
<td>Cooperative Education Internship in Computer Graphics</td>
<td>3</td>
</tr>
</tbody>
</table>

Choose 9 credits from the following list: 9

- ART#### Any ART prefix course
- CAP#### Any CAP prefix course
- COP#### Any COP prefix course
- DIG#### Any DIG prefix course
- ETD#### Any ETD prefix course
- GRA#### Any GRA prefix course
- PGY#### Any PGY prefix course
- RTV#### Any RTV prefix course

General Education Courses 15

- ENC 1101  English I 3
- Any General Education course 3

Recommended:

- ARH 2050  Art History I 3
- Humanities General Education course 3

Recommended:

- ARH 2051  Art History II 3
- Mathematics or Science General Education course 3
- Social Science General Education course 3

Total Credits: 64.00
Civil Engineering Technician
• Electrical Engineering Technician
• Industrial Engineering Technician
• Mechanical Engineering Technician

Job Outlook
Employment in this field is expected to grow by 12 percent (about as fast as average) from now until 2020 (Source: Bureau of Labor Statistics). Per Forbes, a Bachelor of Science in Engineering Technology is the ranked as the eighth highest paying Bachelor’s degree for graduates.

Degree Transfer
The A.S. Degree in Engineering Technology will transfer to the Seminole State College’s Bachelor of Science in Architectural Engineering Technology or the Bachelor of Science in Construction degrees or may take advantage of university programs in engineering technology.

Certifications
The following industry certifications are related to the education in the A.S. Degree Engineering Technology program:
• Autodesk Certified Professional – Inventor, ADESK024
• Autodesk Certified User - Autodesk Inventor, ADESK011
• MSSC Certified Production Technician (CPT), MSSCN001

Required Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>COP 1000</td>
<td>Principles of Computer Programming</td>
<td>3</td>
</tr>
<tr>
<td>EGS 1006</td>
<td>Introduction to the Engineering Profession</td>
<td>1</td>
</tr>
<tr>
<td>EGN 1111C</td>
<td>Engineering Graphics - Drawing</td>
<td>3</td>
</tr>
<tr>
<td>MTB 1329</td>
<td>Applied Mathematical Concepts for Engineering Technology</td>
<td>3</td>
</tr>
<tr>
<td>ETD 1320C</td>
<td>Computer-Aided Design I</td>
<td>3</td>
</tr>
<tr>
<td>ETI 1420C</td>
<td>Materials and Processes for Engineering Technology</td>
<td>3</td>
</tr>
<tr>
<td>EGN 1007</td>
<td>Engineering Concepts and Methods</td>
<td>1</td>
</tr>
<tr>
<td>EGS 2931</td>
<td>Selected Studies in Engineering</td>
<td>1</td>
</tr>
<tr>
<td>EET 1035C</td>
<td>Fundamentals of AC/DC Electricity</td>
<td>4</td>
</tr>
<tr>
<td>ETG 2502</td>
<td>Statics</td>
<td>3</td>
</tr>
<tr>
<td>ETI 1110</td>
<td>Introduction to Quality</td>
<td>3</td>
</tr>
<tr>
<td>ETI 1843C</td>
<td>Motors and Controls</td>
<td>3</td>
</tr>
<tr>
<td>ETM 2315C</td>
<td>Hydraulic and Pneumatic Systems</td>
<td>4</td>
</tr>
<tr>
<td>ETI 2950C</td>
<td>Engineering Technology Capstone</td>
<td>3</td>
</tr>
<tr>
<td>ETI 1701</td>
<td>Safety for Engineering Technologists</td>
<td>3</td>
</tr>
<tr>
<td>ETM 1010C</td>
<td>Mechanical Measurement and Instrumentation</td>
<td>3</td>
</tr>
</tbody>
</table>

General Education Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101</td>
<td>English I</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Humanities General Education course</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Social Science General Education course</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Mathematics General Education course</td>
<td>3</td>
</tr>
<tr>
<td>PHY 1053C</td>
<td>General Physics I</td>
<td>4</td>
</tr>
</tbody>
</table>

Total Credits: 60.00

AS, Industrial Technology Management
Associate in Science

Major Code: INDMGT-AS CIP: 1652020501

Program Description

This program provides students who have obtained competency in a variety of fields and opportunity to
pursue college-level education that is appropriate for management roles and upward mobility in their respective fields with a focus on project management.

### Required Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MNA 1032</td>
<td>Principles of Project Management</td>
<td>3</td>
</tr>
<tr>
<td>MNA 1033</td>
<td>Organizational Behavior for Project Teams</td>
<td>3</td>
</tr>
<tr>
<td>MNA 1034</td>
<td>Making Project Decisions</td>
<td>3</td>
</tr>
<tr>
<td>MNA 1035</td>
<td>Introduction to Project Planning</td>
<td>3</td>
</tr>
<tr>
<td>MNA 1036</td>
<td>Project Quality and Risk</td>
<td>3</td>
</tr>
<tr>
<td>CGS 2100C</td>
<td>Computer Applications</td>
<td>3</td>
</tr>
<tr>
<td>CGS 2108C</td>
<td>Advanced Computer Applications</td>
<td>3</td>
</tr>
</tbody>
</table>

### Elective Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MTB 1329</td>
<td>Applied Mathematical Concepts for Engineering Technology</td>
<td>3</td>
</tr>
<tr>
<td>EGN 1111C</td>
<td>Engineering Graphics - Drawing</td>
<td>3</td>
</tr>
</tbody>
</table>

18 credit hours from the following programs (6 of the 18 credits must be 2000 level):

- Architectural Engineering Technology
- Automotive
- Aviation
- Computer Aided Drafting and Design
- Construction
- Digital Media
- Engineering Technology
- Information Technology

### General Education Courses

- ENC 1101 English I
- Humanities General Education course
- Mathematics General Education course
- Science General Education course
- Social Science General Education course

**Total Credits:** 60.00

### AS, Information Systems Technology Associate in Science

**Major Code:** IST-AS  **CIP:** 1511100112

**Program Description**

Seminole State’s Associate in Science (A.S.) degree in Information Systems Technology provides students the skills and knowledge required to administer and manage local and wide area networks in multiple environments with an emphasis on the creation and maintenance of the database objects used to store, retrieve and manipulate data. Featuring two specializations: networking and AS to BS (IST). The networking specialization provides students with fundamentals of computer and networking design while gaining a solid foundation in basic programming concepts. The AS to BS (IST) specialization provides students with the general education courses needed for the Bachelor of Science in Information Systems Technology.

**Profession**

Information technology (IT) plays a vital role in nearly every aspect of modern life. IT professionals possess the highly valuable technical skills required to create the software, maintain the computer networks and secure and protect the information that allows companies to be competitive. Consistent demand for the services provided by these specialists has resulted in numerous, highly-lucrative domestic and international career opportunities.

**Career Opportunities**
Graduates of this program are employed as:

- Network Administrators
- Network Analysts
- Network Designers
- Network Integrators

**Job Outlook**

Considered one of Central Florida’s high-skill, high-wage professions, employment in the IT field is expected to grow by 28 percent (faster than average) through 2020 (Sources: Bureau of Labor Statistics).

**College Credit Certificates**

Students may complete the following college credit certificates as part of the Information Systems Technology degree:

- IP Communications Technical Certificate
- IT Client Specialist Certificate
- Network and IP Support Specialist Certificate

**Certifications**

Graduates of this program may be qualified to earn the following industry certifications:

- Cisco Certified Network Associate (CCNA), CISCO004
- Cisco Certified Network Associate Security (CCNA Security), CISCO011
- CompTIA A+, COMPT001
- CompTIA Convergence+, COMPT003
- CompTIA Linux+, COMPT005
- CompTIA Network+, COMPT006
- CompTIA Security+, COMPT008
- Microsoft Certified Solutions Associate (MCSA) - Windows Server, MICRO046
- Microsoft Certified Systems Engineer, MICRO013
- Microsoft Desktop Support Technician, MICRO006
- Professional (MCIT) Server Administrator, MICRO034

Additional industry certifications may be available for college credit certificate programs.

**Degree Transfer**

Seminole State's A.S. Degree in Information Systems Technology will transfer to the College's B.S. Degree in Information Systems Technology Program.

**Placement and Salary Information**

Visit [Smart-College-Choices.com](http://Smart-College-Choices.com) to access employment numbers and the estimated average, annual full-time wage for graduates of this program.

**Required Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CET 1178C</td>
<td>Network Computer Maintenance and Repair (A+)</td>
<td>3</td>
</tr>
<tr>
<td>CET 1179</td>
<td>Network Concepts and Operating Systems</td>
<td>3</td>
</tr>
<tr>
<td>CET 1600C</td>
<td>Cisco Networking Fundamentals (Net+)</td>
<td>3</td>
</tr>
<tr>
<td>CGS 2545C</td>
<td>Database Management</td>
<td>3</td>
</tr>
<tr>
<td>COP 1000</td>
<td>Principles of Computer Programming</td>
<td>3</td>
</tr>
</tbody>
</table>

Choose four credits from the following list:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CTS 1168C</td>
<td>Configuring Windows Devices (70-697 exam)</td>
<td>4</td>
</tr>
<tr>
<td>CTS 1327C</td>
<td>Configuring Windows 8 (70-687 exam/MCSA)</td>
<td>4</td>
</tr>
</tbody>
</table>

**Elective Courses**

Choose 14 credits of elective courses from one of the following specializations:

- Networking
- AS to BS (IST)

**Networking Specialization**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CTS 2370C</td>
<td>Virtual Infrastructure: Installation and Configuration</td>
<td>4</td>
</tr>
<tr>
<td>CTS 2390C</td>
<td>Installing and Configuring Windows Server 2012</td>
<td>4</td>
</tr>
</tbody>
</table>
Any CET, CIS, CNT, COP or CTS prefix course not already required (excluding CTS 1162, CTS 1163C, CTS 1300 and CTS 1327C)

Choose 4 credits from the following list:

CET 1675C Introduction to IP Telephony 4

or

CET 1854C Introduction to Wireless Technologies 4

AS to BS (IST) Specialization

Humanities General Education course (Area A) 3

Science General Education courses from two different areas (A, B, or C) 6

Any CET, CIS, CNT, COP or CTS prefix course not already required (excluding CTS 1162, CTS 1163C, CTS 1300 and CTS 1327C)

General Education Courses 27

ENC 1101 English I 3

ENC 1102 English II 3

MAC 1105 College Algebra 3

or higher level MAC prefix course

SPC 1608 Introduction to Oral Communication 3

Choose 3 credits from the following list: 3

MAC 1114 Trigonometry 3

MAC 1140 Precalculus Algebra 3

STA 2023 Statistical Methods I 3

or higher level mathematics course

History General Education course 3

Humanities General Education course 3

Note: If you are in the AS to BS (IST) specialization, please choose 3 credits of Humanities from the other area (A or B) than already taken.

Social Science General Education course 3

Note: 3 credits must be from Social Science Areas A, C, D, E or F

Choose 3 credits from the following list: 3

ECO 2013 Principles of Economics (MACRO) 3

ECO 2023 Principles of Economics (MICRO) 3

Total Credits: 60.00

AS, Network Systems Technology
Associate in Science
Major Code: NSTECH-AS CIP: 1511100112
Program Description

Seminole State’s Associate in Science (A.S.) degree in Network Systems Technology Program provides students the skills and knowledge required to administer, design, install, configure, connect, plan and maintain local area and enterprise networks. Graduates are qualified to manage various levels of network systems, including home and multi-department business networks.

Profession

Computer networks make it possible for people to work and communicate anywhere at any time. The professionals who create, maintain and secure these networks are in high demand. Network and computer systems administrators are responsible for the day-to-day organization, installation and support of local area networks (LANs), wide area networks (WANs), network segments, intranets and other data communication systems. They also create network models, analyze and plan data and research and recommend hardware and software.

Career Opportunities
Graduates of this program are employed as:

- Computer Networking Specialists
- Customer Service Advisors
- Network Support Technicians
- System-wide Administrators

**Job Outlook**

Considered one of Central Florida’s high-skill, high-wage professions, employment in the network services field is expected to grow by 28 percent (faster than average) through 2020 (Sources: Bureau of Labor Statistics).

**College Credit Certificates**

Students may complete the following college credit certificates as part of the Network Systems Technology A.S. degree:

- Computer Repair and Installation Certificate
- IT Client Specialist Certificate
- Network Infrastructure Certificate
- Network Server Administrator Certificate
- Network Support Technician Certificate
- Virtualization Certificate

**Certifications**

Graduates of this program may be qualified to earn the following industry certifications:

- Certified Wireless Network Administrator (CWNA), CWNPT001
- Cisco Certified Network Associate (CCNA), CISCO004
- Cisco Certified Network Associate Security (CCNA Security), CISCO011
- CompTIA Linux+, COMPT005
- CompTIA Network+, COMPT006
- CompTIA Security+, COMPT008
- CompTIA Server+, COMPT009
- Information Storage and Management (EMCISA) Associate, EMCSQ001
- Microsoft Certified IT Professional (MCITP) - Server Administrator, MICRO034
- Microsoft Certified Solutions Associate (MCSA) Windows Server, MICRO046
- Microsoft Technology Associate (MTA): Windows Server Admin Fundamentals
- Professional (MCIT) Server Administrator, MICRO034
- VMware Certified Associate 4 Desktop (VCA40DT)
- VMware Certified Professional vSphere

**Degree Transfer**

Seminole State’s A.S. Degree in Network Systems Technology will transfer to the College’s Bachelor of Science (B.S.) in Information Systems Technology.

**Placement and Salary Information**

Visit [Smart-College-Choices.com](http://Smart-College-Choices.com) to access employment numbers and the estimated average, annual full-time wage for graduates of this program.

**Required Courses**

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<td>CET 1178C</td>
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<td>3</td>
</tr>
<tr>
<td>CET 1179</td>
<td>Network Concepts and Operating Systems</td>
<td>3</td>
</tr>
<tr>
<td>CET 1526C</td>
<td>Introduction to UNIX (Linux+)</td>
<td>3</td>
</tr>
<tr>
<td>CET 1600C</td>
<td>Cisco Networking Fundamentals (Net+)</td>
<td>3</td>
</tr>
<tr>
<td>CTS 1120</td>
<td>Introduction to Internetworking Security (Security+)</td>
<td>3</td>
</tr>
<tr>
<td>CTS 2142</td>
<td>Information Technology Project Management</td>
<td>3</td>
</tr>
<tr>
<td>CTS 2390C</td>
<td>Installing and Configuring Windows Server 2012</td>
<td>4</td>
</tr>
</tbody>
</table>

Choose four credits from the following list:

<table>
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</thead>
<tbody>
<tr>
<td>CTS 1168C</td>
<td>Configuring Windows Devices (70-697 exam)</td>
<td>4</td>
</tr>
<tr>
<td>CTS 1327C</td>
<td>Configuring Windows 8 (70-687 exam/MCSA)</td>
<td>4</td>
</tr>
</tbody>
</table>
**Elective Courses**

Choose 16 credits of elective courses from 1 of the following technical specializations:

- CISCO Network Infrastructure Specialization
- Network Operating Systems Specialization
- Security and Virtualization Specialization

<table>
<thead>
<tr>
<th>Specialization</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CISCO Network Infrastructure Specialization</strong></td>
<td>16</td>
</tr>
<tr>
<td>CET 1610C  Cisco Router Technology</td>
<td>4</td>
</tr>
<tr>
<td>CET 2615C  Cisco Scaling Networks</td>
<td>4</td>
</tr>
<tr>
<td>CET 2620C  Cisco Connecting Networks</td>
<td>4</td>
</tr>
</tbody>
</table>

Choose 4 credits from the following list:

- CET 1675C  Introduction to IP Telephony 4
- CET 1854C  Introduction to Wireless Technologies 4

<table>
<thead>
<tr>
<th>Specialization</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Network Operating Systems Specialization</strong></td>
<td>16</td>
</tr>
<tr>
<td>CTS 2391C  Administering Windows Server 2012</td>
<td>4</td>
</tr>
<tr>
<td>CTS 2392C  Configuring Advanced Windows Server 2012 Services</td>
<td>4</td>
</tr>
<tr>
<td>CTS 2370C  Virtual Infrastructure: Installation and Configuration</td>
<td>4</td>
</tr>
</tbody>
</table>

Choose 4 credits from the following list:

- CET 1854C  Introduction to Wireless Technologies 4
- CET 1675C  Introduction to IP Telephony 4

<table>
<thead>
<tr>
<th>Specialization</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Security and Virtualization Specialization</strong></td>
<td>16</td>
</tr>
<tr>
<td>CTS 2317  Advanced Security Certified Ethical Hacker</td>
<td>4</td>
</tr>
</tbody>
</table>

Choose 4 credits from the following list:

- CTS 2370C  Virtual Infrastructure: Installation and Configuration 4
- CTS 2371C  Virtual Infrastructure: Deployment, Security and Analysis 4
- CTS 2411C  Information Storage Management 4

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**General Education Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101  English I</td>
<td>3</td>
</tr>
</tbody>
</table>

Choose ENC 1102 or ENC 1210:

- ENC 1102  English II 3
- ENC 1210  Technical Writing 3

Students pursuing the Bachelor of Science degree should choose ENC1102

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPC 1608  Introduction to Oral Communication</td>
<td>3</td>
</tr>
</tbody>
</table>

Humanities General Education course 3

Mathematics General Education course 3

Social Science General Education course 3

**Total Credits:** 60.00

---

**AAS, Automotive Service Management Technology**

**Associate of Applied Science**

**Major Code:** AUTO-AAS  CIP: 0615080300

**Program Description**

Seminole State’s Associate in Applied Science (A.A.S.) degree in Automotive Technology has been recognized as the No. 1 automotive educational program in the United States. The unique curriculum - accredited by NATEF, Ford and General Motors (GM) - combines the latest in automotive technology education, relevant industry internships and strong academic coursework to prepare graduates for successful careers in the automotive service industry.
Knowledgable, experienced faculty members and active industry partnerships ensure that Automotive students receive advanced training that integrates traditional vehicle technology with emerging alternative-fuel technologies such as hybrid-electric and hydrogen fuel cell.

Candidates must:

- Apply and be accepted to Seminole State College;
- Provide official transcript(s) indicating a standard high school diploma or equivalent;
- Non-exempt students must complete the Postsecondary Education Readiness Test (PERT);
- Be at least 18 years of age prior to first work assignment;
- Possess a valid Florida driver’s license and provide current Department of Motor Vehicle (DMV) report;
- Submit the completed and signed Automotive Program Application Form;
- Schedule an interview with the program manager or program advisor;
- Be able to lift and carry up to 50 pounds.

Profession

Automotive service technicians and mechanics inspect, maintain and repair cars and light trucks. Typically working in well-ventilated and well-lit repair shops, automotive technicians identify and address mechanical problems with a combination of computers and traditional parts and tools.

College Credit Certificates

Students pursuing this degree also may obtain the following college credit certificates:

- Automotive Maintenance and Light Repair
- Automotive Technician

Career Opportunities

Graduates of this program are employed as:

- Automotive parts sales and service representatives
- Automotive technicians

Job Outlook

Employment in this field is expected to grow by 17 percent (about as fast as average) through 2020 (Source: Bureau of Labor Statistics).

Certifications

With proper industry work experience, graduates of this program may qualify to earn the following industry certifications:

- ASE Advanced Engine Performance Specialist (L1),
- ASE Automobile/Light Truck Technician: Automatic Transmission/Transaxle (A2),
- ASE Automobile/Light Truck Technician: Brakes (A5),
- ASE Automobile/Light Truck Technician: Electrical/Electronic Systems (A6),
- ASE Automobile/Light Truck Technician: Engine Performance (A9),
- ASE Automobile/Light Truck Technician: Engine Repair (A1), (NIASE010)
- ASE Automobile/Light Truck Technician: Heating and Air Conditioning (A7),
- ASE Automobile/Light Truck Technician: Manual Drive Train and Axles (A3),
- ASE Automobile/Light Truck Technician: Suspension and Steering (A4),
- ASE Automobile Service Consultant (C1),
- ASE Master Automobile Technician,
- ASE Medium/Heavy Truck Technician: Preventive Maintenance Inspection (PMI) (T8)
- ASE Parts Specialist

Placement and Salary Information

Visit Smart-College-Choices.com to access employment numbers and the estimated average, annual full-time wage for graduates of this program.

Required Courses 53

| AER 1073 | Parts and Service | 2 |
| AER 1082 | Introduction to Vehicle Systems and Minor Service | 3 |
### 3D Printing and Virtual Environments
#### Technical Certificate

**Major Code:** PRDS-CC  
**CIP:** 0615000012

**Program Description**

3D printing is rapidly advancing the design, product development and manufacturing industries into the 21st century. With universal applications for this emerging technology, industries such as automotive, aerospace, healthcare, engineering, design and construction are adapting this seamless design-manufacturing process. 3D printing technology provides manufacturing capabilities for the small business entrepreneur, corporations, individuals and hobbyists alike- to explore and create new product demand. This interdisciplinary certificate’s focus will be on the business and entrepreneurial aspect of rapid prototyping and manufacturing. Students will be engaged in a series of project based learning courses that will include the creation, scanning, manipulation and printing of 3D objects. The certificate culminates in the fabrication of a professional digital 3D product and physical prototype.

**Required Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>DIG 2023C</td>
<td>Introduction to 3D Printing</td>
<td>3</td>
</tr>
<tr>
<td>DIG 2302C</td>
<td>3D Modeling and Animation I</td>
<td>3</td>
</tr>
<tr>
<td>ETD 2364C</td>
<td>Introduction to SolidWorks</td>
<td>3</td>
</tr>
</tbody>
</table>

**General Education Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101</td>
<td>English I</td>
<td>3</td>
</tr>
</tbody>
</table>
### Advanced Computer-Aided Design

**Technical Certificate**

**Major Code:** CADDADV-CC  **CIP:** 0615130101  

**Program Description**

This advanced program further prepares students for employment as designers/drafters. The program provides students a broad base of advanced drafting/design instruction and its applications in various design professions. Manual and CAD-based training is included. Students who complete this certificate may also pursue the Associate in Science (A.S.) degree in Computer-Aided Drafting and Design at Seminole State.

**Required Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARC 1301</td>
<td>Architectural Design I</td>
<td>3</td>
</tr>
<tr>
<td>BCN 2230</td>
<td>Construction Materials and Methods I</td>
<td>3</td>
</tr>
<tr>
<td>BCN 2272</td>
<td>Blueprint Reading</td>
<td>3</td>
</tr>
<tr>
<td>EGN 1111C</td>
<td>Engineering Graphics - Drawing</td>
<td>3</td>
</tr>
<tr>
<td>ETD 1320C</td>
<td>Computer-Aided Design I</td>
<td>3</td>
</tr>
<tr>
<td>ETD 1340C</td>
<td>Computer-Aided Design II</td>
<td>3</td>
</tr>
<tr>
<td>ETD 2390</td>
<td>Computer-Aided Design III (Revit)</td>
<td>3</td>
</tr>
<tr>
<td>MTB 1329</td>
<td>Applied Mathematical Concepts for Engineering Technology</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credits: 24.00

### Animation and Visual Effects

**Technical Certificate**

**Major Code:** MDIMS-CC  **CIP:** 0650010203  

**Program Description**

This program is intended for 3D artists and designers who will use digital and emerging technologies based on the creative convergence of Art, Science and technology for human expression, social communication and interaction. The sequence of courses provides coherent and rigorous content aligned with challenging academic standards and relevant technical knowledge and skills needed to prepare for further education and careers in Arts, A/V Technology and Communication career clusters. The content includes, but is not limited to, 3D modeling, communication skills, illustration, design concepts and theory, production skills, color theories, utilization of computers to produce electronic content, presentation procedures and employability skills.

This certificate is upward compatible with the Digital Design A.S.

**Required Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GRA 2157C</td>
<td>Visual Storytelling</td>
<td>3</td>
</tr>
<tr>
<td>DIG 2030C</td>
<td>Digital Video Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>DIG 2351</td>
<td>2D Animation</td>
<td>3</td>
</tr>
<tr>
<td>DIG 2302C</td>
<td>3D Modeling and Animation I</td>
<td>3</td>
</tr>
<tr>
<td>DIG 2341</td>
<td>Motion Graphics I</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credits: 15.00

### Associate Project Management Certificate

**Technical Certificate**

**Major Code:** ASCPM-CC  **CIP:** 0652020502  

**Program Description**

**Required Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 1114</td>
<td>Higher level mathematics course may substitute for MTB 1329</td>
<td>3</td>
</tr>
<tr>
<td>MTB 1329</td>
<td>Applied Mathematical Concepts for Engineering Technology</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credits: 15.00
The Project Management Certificate Program introduces students to the functional areas of project management, from project initiation through project closure. Students will learn how to create a project scope, create an integrated performance baseline that includes a schedule and time-phased budget and address the quality parameters of the project. The curriculum also reviews human resource management, proper project communication techniques and basic project leadership.

**Required Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MNA 1032</td>
<td>Principles of Project Management</td>
<td>3</td>
</tr>
<tr>
<td>MNA 1033</td>
<td>Organizational Behavior for Project Teams</td>
<td>3</td>
</tr>
<tr>
<td>MNA 1035</td>
<td>Introduction to Project Planning</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Credits:** 9.00

---

**Automotive Maintenance and Light Repair Technical Certificate**

**Major Code:** AUTMLR-CC  CIP: 0615080301

**Program Description**

This certificate prepares students with automotive maintenance and light repair skills. Students may earn this certificate as part of the daytime Automotive Technology A.A.S. degree. This certificate is upward compatible with the A.A.S. degree, Automotive Technology.

**Required Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AER 1073</td>
<td>Parts and Service</td>
<td>2</td>
</tr>
<tr>
<td>AER 1082</td>
<td>Introduction to Vehicle Systems and Minor Service</td>
<td>3</td>
</tr>
<tr>
<td>AER 1197</td>
<td>Engine Diagnoses and Repair</td>
<td>4</td>
</tr>
<tr>
<td>AER 1496</td>
<td>Steering and Suspension Systems</td>
<td>3</td>
</tr>
</tbody>
</table>

**Choose AER 1596C or AER 1580 and AER 1594**

---

**Automotive Technician Technical Certificate**

**Major Code:** AUTOT-CC  CIP: 0615080302

**Program Description**

This certificate may be earned as part of the Automotive Service Technology A.A.S. degree.

**Required Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AER 1073</td>
<td>Parts and Service</td>
<td>2</td>
</tr>
<tr>
<td>AER 1082</td>
<td>Introduction to Vehicle Systems and Minor Service</td>
<td>3</td>
</tr>
<tr>
<td>AER 1602</td>
<td>Electrical/Electronic Systems I</td>
<td>4</td>
</tr>
</tbody>
</table>

**Choose AER 1596C or AER 1580 and AER 1594**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AER 1596C</td>
<td>Brake Systems, Anti-Lock Brakes and Traction Control Systems</td>
<td>4</td>
</tr>
<tr>
<td>or</td>
<td>AER 1580 Anti-lock Brakes and Traction Control Systems</td>
<td>2</td>
</tr>
<tr>
<td>and</td>
<td>AER 1594 Brake Systems</td>
<td>3</td>
</tr>
<tr>
<td>AER 1602</td>
<td>Electrical/Electronic Systems I</td>
<td>4</td>
</tr>
</tbody>
</table>

**Total Credits:** 24.00
Computer Programming

Technical Certificate

Major Code: COMPR-CC CIP: 0511020200

Program Description
This program provides the specialized training needed to develop and enhance occupational proficiency. Graduates qualify for employment as entry-level computer programmers or programmer-trainees. The highly abstract nature of systems and programming requires strong logical and creative abilities. This certificate is upward compatible with the A.S. degree, Computer Programming and Analysis.

Required Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CET 1179</td>
<td>Network Concepts and Operating Systems</td>
<td>3</td>
</tr>
</tbody>
</table>

Choose 3 credits from the following list:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>COP 1332</td>
<td>Visual Basic Programming</td>
<td>3</td>
</tr>
<tr>
<td>COP 2224</td>
<td>C++ Programming</td>
<td>3</td>
</tr>
<tr>
<td>COP 2228</td>
<td>Advanced C++ Programming</td>
<td>3</td>
</tr>
<tr>
<td>COP 2360</td>
<td>C# Programming</td>
<td>3</td>
</tr>
<tr>
<td>COP 2362</td>
<td>Advanced C# Programming</td>
<td>3</td>
</tr>
<tr>
<td>COP 2654C</td>
<td>iPhone Programming</td>
<td>3</td>
</tr>
<tr>
<td>COP 2658C</td>
<td>Advanced iPhone Programming</td>
<td>3</td>
</tr>
<tr>
<td>COP 2660</td>
<td>Android Programming</td>
<td>3</td>
</tr>
<tr>
<td>COP 2662</td>
<td>Advanced Android Programming</td>
<td>3</td>
</tr>
<tr>
<td>COP 2800</td>
<td>Programming in Java</td>
<td>3</td>
</tr>
<tr>
<td>COP 2805</td>
<td>Advanced Java Programming</td>
<td>3</td>
</tr>
</tbody>
</table>
Computer Programming Specialist
Technical Certificate
Major Code: CPRSP-CC CIP: 0511020103
Program Description
This certificate prepares students for employment as entry-level programmers. The curriculum prepares students to analyze business situations, design, develop and write computer programs and analyze problems using logic and analysis tools. The program supports online or classroom training for a flexible training schedule. This certificate is upward compatible with the A.S. degree, Computer Programming and Analysis.

Required Courses
- CET 1179 Network Concepts and Operating Systems 3
- CGS 2100C Computer Applications 3
- CGS 2545C Database Management 3
- COP 1000 Principles of Computer Programming 3

Elective Courses
- Choose 3 credits from the following list: 3
  - COP 1332 Visual Basic Programming 3
  - COP 2224 C++ Programming 3
  - COP 2360 C# Programming 3
  - COP 2654C iPhone Programming 3

Total Credits: 33.00

Computer Repair and Installation
Technical Certificate
Major Code: COMRI-CC CIP: 0647010406
Program Description
This certificate prepares students for employment as computer engineering technicians and in related occupations in electronics and information technology. Emphasis is placed on how to install, configure, upgrade, troubleshoot and repair computers. This certificate is upward compatible with the A.S. degree, Network Systems Technology.

Required Courses
- CET 1178C Network Computer Maintenance and Repair (A+) 3
- CET 1179 Network Concepts and Operating Systems 3
- CET 1526C Introduction to UNIX (Linux+) 3
- CTS 1120 Introduction to Internetworking Security (Security+) 3

Elective Courses
- Choose 4 credits from the following list: 4
  - CTS 1168C Configuring Windows Devices (70-697 exam) 4
Computer-Aided Design Technical Certificate
Major Code: CADD-CC CIP: 0615130204
Program Description
This certificate prepares students for employment as a junior designers/drafters. The program provides students an introduction to drafting instruction and its application in various design professions. Students who complete this certificate may also pursue the Advanced Computer-Aided Design Technical certificate or the Associate in Science (A.S.) degree in Computer-Aided Drafting and Design at Seminole State.

Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARC 1301</td>
<td>Architectural Design I</td>
<td>3</td>
</tr>
<tr>
<td>MTB 1329</td>
<td>Applied Mathematical Concepts for Engineering Technology</td>
<td>3</td>
</tr>
<tr>
<td>Note: MAC 1114 or higher level mathematics course may substitute for MTB 1329</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EGN 1111C</td>
<td>Engineering Graphics - Drawing</td>
<td>3</td>
</tr>
<tr>
<td>ETD 1320C</td>
<td>Computer-Aided Design I</td>
<td>3</td>
</tr>
<tr>
<td>ETD 1340C</td>
<td>Computer-Aided Design II</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Credits:</strong></td>
<td><strong>15.00</strong></td>
<td></td>
</tr>
</tbody>
</table>

Digital Media - Graphic Design Production Technical Certificate
Major Code: DIGPR-CC CIP: 0611080303
Program Description
This certificate focuses on the concepts and software used within the field of desktop publishing to design a variety of materials including brochures, calendars, packaging, books, business cards and advertisements. Course projects focus on formatting pages, assigning character-type characteristics, design techniques, preparing for print, color separations, long document layout, digital imaging, digital illustration, concept development, information design and corporate identity. This certificate is upward compatible with the A.S. degree, Digital Design.

Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>DIG 2000</td>
<td>Introduction to Digital Media</td>
<td>3</td>
</tr>
<tr>
<td>DIG 2302C</td>
<td>3D Modeling and Animation I</td>
<td>3</td>
</tr>
<tr>
<td>DIG 2341</td>
<td>Motion Graphics I</td>
<td>3</td>
</tr>
<tr>
<td>GRA 2157C</td>
<td>Visual Storytelling</td>
<td>3</td>
</tr>
<tr>
<td>GRA 2201</td>
<td>Digital Imaging I</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Credits:</strong></td>
<td><strong>15.00</strong></td>
<td></td>
</tr>
</tbody>
</table>
Digital and Interactive Media Design Technical Certificate
Major Code: GRDIG-CC CIP: 0609070209
Program Description

This certificate provides students a gateway to a more focused study in the various media that constitute digital and interactive media. The approach is one that introduces students to a range of different media and approaches. Students will learn the historical background of this medium and how it has evolved over time. Students will focus on the technical aspects of digital media production including protocols, file formats, image processing and delivery. This certificate is upward compatible with the A.S. degree, Digital Design or A.S. Digital Cinema and Television Production Associate in Science. This certificate also directly transfers to UCF.

Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>DIG 2000</td>
<td>3</td>
</tr>
<tr>
<td>DIG 2030C</td>
<td>3</td>
</tr>
<tr>
<td>DIG 2109C</td>
<td>3</td>
</tr>
<tr>
<td>DIG 2500C</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credits: 12.00

IP Communications Technical Certificate
Major Code: IPCOM-CC CIP: 0511100120
Program Description

This program offers students the knowledge necessary to provide technical support in a wireless and IP technology environment. This certificate is upward compatible with the A.S. degree, Information Systems Technology and the A.S. degree, Network Systems Technology.
### Required Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CET 1178C</td>
<td>Network Computer Maintenance and Repair (A+)</td>
<td>3</td>
</tr>
<tr>
<td>CET 1179</td>
<td>Network Concepts and Operating Systems</td>
<td>3</td>
</tr>
<tr>
<td>CET 1600C</td>
<td>Cisco Networking Fundamentals (Net+)</td>
<td>3</td>
</tr>
<tr>
<td>CET 1675C</td>
<td>Introduction to IP Telephony</td>
<td>4</td>
</tr>
<tr>
<td>CET 1854C</td>
<td>Introduction to Wireless Technologies</td>
<td>4</td>
</tr>
<tr>
<td>Any CET, CIS or CTS prefix course not already required</td>
<td>4</td>
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</tr>
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</table>

**Total Credits:** 21.00

### Choose 4 credits from the following list:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CTS 1168C</td>
<td>Configuring Windows Devices (70-697 exam)</td>
<td>4</td>
</tr>
<tr>
<td>CTS 1327C</td>
<td>Configuring Windows 8 (70-687 exam/MCSA)</td>
<td>4</td>
</tr>
</tbody>
</table>

**Total Credits:** 18.00

### IT Client Specialist

**Technical Certificate**

**Major Code:** WLADV-CC  **CIP:** 0615030508

**Program Description**

This program provides students with the knowledge necessary to provide technical support in a variety of information technology client environments. The certificate is upward compatible with the Associate in Science (A.S.) degree, Information Systems Technology and A.S. degree, Network Systems Technology.

### Required Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CET 1178C</td>
<td>Network Computer Maintenance and Repair (A+)</td>
<td>3</td>
</tr>
<tr>
<td>CET 1179</td>
<td>Network Concepts and Operating Systems</td>
<td>3</td>
</tr>
<tr>
<td>CET 1600C</td>
<td>Cisco Networking Fundamentals (Net+)</td>
<td>3</td>
</tr>
<tr>
<td>COP 1000</td>
<td>Principles of Computer Programming</td>
<td>3</td>
</tr>
<tr>
<td>Any CET, CGS, COP or CTS prefix course not already required</td>
<td>2</td>
<td></td>
</tr>
</tbody>
</table>

**Total Credits:** 18.00

### Information Technology Analysis

**Technical Certificate**

**Major Code:** ITANA-CC  **CIP:** 0511010312

**Program Description**

This certificate prepares students for employment as computer support specialists, help desk specialists, user support analysts, applications system specialists, information systems specialists, computer sales persons, office systems support specialists, website support or software testers. It also provides supplemental training for persons previously or currently employed in these occupations.

The curriculum prepares students to review operating systems, software applications packages and hardware to select the appropriate information technology equipment for a computer-based work environment. Students also learn how to install and troubleshoot information technology equipment and support information technology users. This certificate is upward compatible with the A.S. degree, Computer Programming and Analysis.

### Required Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CET 1179</td>
<td>Network Concepts and Operating Systems</td>
<td>3</td>
</tr>
<tr>
<td>CGS 2100C</td>
<td>Computer Applications</td>
<td>3</td>
</tr>
<tr>
<td>CGS 2545C</td>
<td>Database Management</td>
<td>3</td>
</tr>
<tr>
<td>COP 1000</td>
<td>Principles of Computer Programming</td>
<td>3</td>
</tr>
<tr>
<td>COP 2830</td>
<td>Web Programming I</td>
<td>3</td>
</tr>
</tbody>
</table>
Any CAP, CET, CGS, COP or CTS prefix courses not already required 6

Choose 3 credits from the following list: 3

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>COP 2822</td>
<td>Web Applications</td>
<td>3</td>
</tr>
<tr>
<td>COP 2831</td>
<td>Web Scripting and AJAX</td>
<td>3</td>
</tr>
</tbody>
</table>

General Education Courses 3

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPC 1608</td>
<td>Introduction to Oral Communication</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credits: 27.00

Microsoft Infrastructure (MCSA/MCSE) Technical Certificate
Major Code: MSINFRA-CC CIP: 0511100113

Program Description
This program provides students with the skills to successfully manage and troubleshoot the Microsoft system environment, including administering and managing complex local and wide area networks. The certificate prepares students for roles as network administrators, network designers, network integrators and network analysts in the enterprise environment. This certificate is upward compatible with the A.S. degree, Network Systems Technology.

Required Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CET 1179</td>
<td>Network Concepts and Operating Systems</td>
<td>3</td>
</tr>
<tr>
<td>CET 1178C</td>
<td>Network Computer Maintenance and Repair (A+)</td>
<td>3</td>
</tr>
<tr>
<td>CTS 2142</td>
<td>Information Technology Project Management</td>
<td>3</td>
</tr>
<tr>
<td>CTS 2390C</td>
<td>Installing and Configuring Windows Server 2012</td>
<td>4</td>
</tr>
<tr>
<td>CTS 2391C</td>
<td>Administering Windows Server 2012</td>
<td>4</td>
</tr>
</tbody>
</table>

Total Credits: 16.00

Network Infrastructure Technical Certificate
Major Code: NWINF-CC CIP: 0511100114

Program Description
This program is designed to prepare students for employment in the networking technology field. The coursework for this certificate prepares students to take the CISCO Certified Networking Associate (CCNA) certification exam. This certificate is upward compatible with the A.S. degree, Network Systems Technology.

Required Courses 16

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CET 1600C</td>
<td>Cisco Networking Fundamentals (Net+)</td>
<td>3</td>
</tr>
<tr>
<td>CET 1610C</td>
<td>Cisco Router Technology</td>
<td>4</td>
</tr>
<tr>
<td>CET 2615C</td>
<td>Cisco Scaling Networks</td>
<td>4</td>
</tr>
<tr>
<td>CET 2620C</td>
<td>Cisco Connecting Networks</td>
<td>4</td>
</tr>
</tbody>
</table>

Any CET, CIS or CTS prefix course not already required 1

Total Credits: 16.00

Network Server Administration Technical Certificate
Major Code: NSADM-CC CIP: 0511100112

Program Description
This program provides students with the skills to successfully manage and troubleshoot the Microsoft system environment including administering and
managing complex local and wide area networks. The certificate prepares students for roles as network administrators, network designers, network integrators and network analysts in the enterprise environment. This certificate is upward compatible with the A.S. degree, Network Systems Technology.

**Required Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CET 1178C</td>
<td>Network Computer Maintenance and Repair (A+)</td>
<td>3</td>
</tr>
<tr>
<td>CET 1179</td>
<td>Network Concepts and Operating Systems</td>
<td>3</td>
</tr>
<tr>
<td>CTS 2390C</td>
<td>Installing and Configuring Windows Server 2012</td>
<td>4</td>
</tr>
<tr>
<td>CTS 2391C</td>
<td>Administering Windows Server 2012</td>
<td>4</td>
</tr>
<tr>
<td>CTS 2392C</td>
<td>Configuring Advanced Windows Server 2012 Services</td>
<td>4</td>
</tr>
</tbody>
</table>

Choose 4 credits from the following list:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CTS 1327C</td>
<td>Configuring Windows 8 (70-687 exam/MCSA)</td>
</tr>
<tr>
<td>CTS 1168C</td>
<td>Configuring Windows Devices (70-697 exam)</td>
</tr>
</tbody>
</table>

Any CET, CIS or CTS prefix course not already required 2

**Total Credits:** 24.00

**Network Support Technician Technical Certificate**

**Major Code:** NWSPT-CC  CIP: 0511100121

**Program Description**

This program provides students the skills to support complex local area networks as well as wide area networks. Graduates qualify for roles as computer support specialists, network support technicians and network analysts. This certificate is upward compatible with the A.S. degree, Information Systems Technology and the A.S. degree, Network Systems Technology.

**Required Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CET 1178C</td>
<td>Network Computer Maintenance and Repair (A+)</td>
<td>3</td>
</tr>
<tr>
<td>CET 1179</td>
<td>Network Concepts and Operating Systems</td>
<td>3</td>
</tr>
<tr>
<td>CET 1600C</td>
<td>Cisco Networking Fundamentals (Net+)</td>
<td>3</td>
</tr>
</tbody>
</table>

Choose CET 1675C or 1854C:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CET 1675C</td>
<td>Introduction to IP Telephony</td>
</tr>
<tr>
<td>CET 1854C</td>
<td>Introduction to Wireless Technologies</td>
</tr>
</tbody>
</table>

Choose CTS 1327C or CTS 1168C

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CTS 1327C</td>
<td>Configuring Windows 8 (70-687 exam/MCSA)</td>
</tr>
<tr>
<td>CTS 1168C</td>
<td>Configuring Windows Devices (70-697 exam)</td>
</tr>
</tbody>
</table>

Any CET, CIS or CTS prefix course not already required

**Elective Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CTS 1168C</td>
<td>Configuring Windows Devices (70-697 exam)</td>
</tr>
</tbody>
</table>

**Total Credits:** 21.00

**Social Media and Web Applications Technical Certificate**

**Major Code:** MMWEB-CC  CIP: 0650010208

**Program Description**

This certificate prepares students for employment as Web production assistants and Web production artists. It also provides supplemental training to persons currently employed in the occupation. Students will design and develop digital media applications for Web media including social media, mobile development, video and audio. This certificate
is upward compatible with the A.S. degree, Digital Design.

Required Courses 15

COP 2822 Web Applications 3
DIG 1105C Social Media Tools 3
DIG 2500C Fundamentals of Interactive Design 3
GRA 2144C Web Publishing 3
Any COP, DIG, or GRA web-related course 3

Total Credits: 15.00

Sustainability Technical Certificate
Major Code: ENRG-CC CIP: 0615050304
Program Description
Business and industry are witnessing a growing demand for candidates with technical literacy in alternative energy sources and sustainable practices. The Sustainability Certificate program at Seminole State introduces students to emerging technologies related to energy production and consumption via a curriculum designed to integrate a broad spectrum of topics applicable to future green jobs.

This program features a multi-faceted core curriculum focused on sustainability, alternative energy sources and environmental policy in the United States. Additional elective courses give students the opportunity to customize their knowledge base with hands-on lab work and real-world applications.

Required Courses 12

ETP 2502 Alternative Energy Sources 3
ETP 2910C Projects in Sustainability 3

Choose one:

AER 1602 Electrical/Electronic Systems I 4
EET 1035C Fundamentals of AC/DC Electricity 4
ETP 2410 Solar Photovoltaic (PV) Systems 3

Elective Courses 6

Choose courses from the following list or any required courses not already taken:

AER 2870C Alternative Fuel and Propulsion Systems 3
BCN 1579 Tiny House Living: Less is More 3
BCN 2599 Green Building and Energy Efficiency 3
ETP 2050 Energy Analysis 3
ETP 2420 Solar Thermal Systems 3
MAN 2060 Sustainable Business 3
IND 2622 Sustainability in the Built Environment 3

Total Credits: 18.00

Virtualization Technical Certificate
Major Code: NWKVIR-CC CIP: 0511100116
Program Description
This program is designed to provide students with the training necessary to install, configure, troubleshoot, deploy and maintain virtual machines in a business environment. Hands-on training is provided in VMware and Microsoft technologies and prepares students to obtain the VMware Certified Professional
credential. This certificate is upward compatible with the A.S. degree, Network Systems Technology.

**Required Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CET 1178C</td>
<td>Network Computer Maintenance and Repair (A+)</td>
<td>3</td>
</tr>
<tr>
<td>CET 1179</td>
<td>Network Concepts and Operating Systems</td>
<td>3</td>
</tr>
<tr>
<td>CTS 2317</td>
<td>Advanced Security Certified Ethical Hacker</td>
<td>4</td>
</tr>
<tr>
<td>CTS 2370C</td>
<td>Virtual Infrastructure: Installation and Configuration</td>
<td>4</td>
</tr>
<tr>
<td>CTS 2371C</td>
<td>Virtual Infrastructure: Deployment, Security and Analysis</td>
<td>4</td>
</tr>
<tr>
<td>CTS 2390C</td>
<td>Installing and Configuring Windows Server 2012</td>
<td>4</td>
</tr>
</tbody>
</table>

Any CET, CIS or CTS prefix course not already required (CTS 1120 is strongly recommended).

Total Credits: 24.00

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**Elective Courses**

Choose 6 credits from the following list:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CET 2760C</td>
<td>Web Server Management</td>
<td>3</td>
</tr>
<tr>
<td>COP 2822</td>
<td>Web Applications</td>
<td>3</td>
</tr>
<tr>
<td>COP 2831</td>
<td>Web Scripting and AJAX</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credits: 18.00

---

**Web Development Technical Certificate**

**Major Code:** ITSSP-CC CIP: 0511010311

**Program Description**

This certificate prepares students for employment with businesses needing website development. The program supports online or classroom training for a flexible training schedule. The courses in this certificate will prepare students for developing websites. Students will be exposed to a wide variety of server-side programming and scripting technologies. This certificate is upward compatible with the A.S. degree, Computer Programming and Analysis.

**Required Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>COP 1000</td>
<td>Principles of Computer Programming</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credits: 12

---

**PSAVC, Automotive Service Technology**

**Post-Secondary Adult Vocational Certificate**

**Major Code:** AUTO-VC CIP: 0647060405

**Program Description**

This program prepares students to become entry-level technicians, familiar with all aspects of automotive diagnosis and repair. The latest in computerized work stations and simulators are used in the classroom. Structured laboratories give the student hands-on experience with late-model cars, using the tools and techniques employed in today’s automotive repair industry. Students successfully completing this program will be able to diagnose and repair any of the basic systems on late-model cars.

**Admission requirements:**

- Submit a completed Seminole State College application to the Admissions Office;
- If non-exempt, take the Test of Adult Basic Education (TABE) within the first six weeks of admission into the program; TABE scores must be at or above 568 for Language, 570 for Reading and 579 for Math to exit the program and receive the completion diploma;
- Register for Fall Term;
- Be able to lift and carry at least 50 pounds.
Note: Students must earn a passing grade in each course to continue in the program.

**Total program hours: 1,245 of 1,800**

**Required Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AER 0071C</td>
<td>Automotive Business Management/Employability Skills</td>
<td>60</td>
</tr>
<tr>
<td>AER 0072C</td>
<td>Automotive Fundamentals and Service</td>
<td>165</td>
</tr>
<tr>
<td></td>
<td><strong>Total</strong></td>
<td><strong>325</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AER 0199C</td>
<td>Automotive Engine Fundamentals</td>
<td>180</td>
</tr>
<tr>
<td>AER 0399C</td>
<td>Automotive Drive Trains</td>
<td>180</td>
</tr>
<tr>
<td>AER 0499C</td>
<td>Automotive Suspension and Brakes</td>
<td>270</td>
</tr>
<tr>
<td>AER 0697C</td>
<td>Automotive Electrical and Electronic Fundamentals</td>
<td>255</td>
</tr>
<tr>
<td>AER 0759C</td>
<td>Automotive Heating/Air Conditioning Fundamentals</td>
<td>135</td>
</tr>
</tbody>
</table>
School of Academic Foundations Overview

The School of Academic Foundations provides practical instruction for adults who are seeking basic academic skills, a high school diploma, preparation for the GED® exam, personal enrichment and skill building.

The unique needs of the adult learner are met using individualized instructional programs and innovative classroom instruction. Classes are offered at Seminole State College campuses and at outreach sites throughout Seminole County, with day, evening and weekend hours available.

The School offers these programs:

- Adult Basic Education/GED®
- Adult High School
- English Language Studies

Adult Basic Education

Adult Basic Education classes at Seminole State are designed for students who need to improve their skills in reading, writing and mathematics. Courses also help students improve their job readiness skills and prepare for GED® classes. To be admitted, students must reach age eighteen (18) by the last day of their first semester.

- **Admission:** Applications are taken prior to the start of each session (Fall, Spring and Summer) at the Sanford/Lake Mary, Altamonte and Oviedo campuses.
- **Testing:** Placement is based on the results of the Test of Adult Basic Education (TABE). See the Testing and Assessment section of this catalog for more information.
- **Fees:** All qualifying students pay a $30 state-mandated fee upon initial registration in any semester.

Please visit the ABE website or call 407.708.2153 for more information. Additional admission requirements may apply.

English Language Institute

The English Language Institute (ELI) at Seminole State is designed for visitors to the United States on student visas who are not applying to the College. ELI courses are based primarily on academic preparation and include an introduction to U.S. culture. ELI students study on the Sanford/Lake Mary Campus for 18 to 20 hours each week. For current tuition information, please visit the Language Institute website or call 407.708.2120.

Admissions

ELI applicants should contact the International Student Office on the Sanford/Lake Mary Campus at 407.708.2172.

Only documents in English will be accepted. Translations must be completed by an official body; a notary public does not automatically qualify as a translator. Only original documents will be accepted. Facsimiles and photocopies will not be accepted.

The U.S. Department of Homeland Security requires international students to study full-time, which equals two consecutive semesters of Monday-Thursday classes, at a minimum.

International students who seek admission to the English Language Institute on an F-1 Visa (1-20 A-B) must:

1. Submit all application materials to the International Student Office prior to the deadline;
2. Complete an International Student Form;
3. Provide a formal or informal color photograph;
4. Submit financial support documents, including:
• A signed bank letter from the student or student’s sponsor(s) (as applicable), stating when an account was opened, the type of account and its current balance. It is possible to have more than one sponsor. The sponsor(s) do not need to reside in the United States, nor must they be relatives.
• A signed and notarized Seminole State Affidavit of Support.
• If bank funds are not enough to cover the costs of study and living, then submit a signed letter from the employer of the student or sponsor, as applicable, stating job title, salary and length of time employed.

In addition, transfer students must submit the following:

• A completed International Student Transfer Form;
• Photocopies of all former 1-20’s, I-94s (both sides) and passports.

**English for Speakers of Other Languages**

English for Speakers of Other Languages (ESOL) classes are designed to provide English language training for speakers of other languages for life and work skills and basic education study. They also focus on helping students create educational plans, search for employment, obtain a better job and/or become better citizens.

Seminole State offers intensive ESOL courses in the morning and non-intensive ESOL courses in the evening on various campuses. Classes range from as few as four hours each week to as many as 20 per week. Courses are full term with specific enrollment periods at the beginning of each semester. Students study at one of six levels of English proficiency based on scores from the CASAS placement exam given by Seminole State or another adult education institution in Florida.

**Admission**

Students apply for ESOL classes by contacting one of the Academic Foundations ESOL Student Services representatives on the campus of their choice:

• Altamonte Springs Campus: 407.404.6002
• Oviedo Campus: 407.971.5016
• Sanford/Lake Mary Campus: 407.708.2420

To qualify, applicants must be:

• 18 years of age or older;
• U.S. citizens, U.S. permanent residents, refugees or holders of other qualifying immigration documentation.

**Residency and Fees**

All qualifying students pay a $30 state-mandated fee upon initial registration in any semester.

**English for Academic Purposes**

English for Academic Purposes (EAP) courses are college credit preparatory and elective credit courses specifically designed to prepare students who are speakers of other languages for higher education or professional development. Students must apply to Seminole State College and are assessed to determine their levels of English language proficiency.

Students who have studied high school outside the United States or have studied ESOL in high school are assessed to determine their levels of English language proficiency. Students whose proficiency is lower than that required for ENC 1101 are placed into English courses based on the results of placement tests and a writing sample. Once students begin the EAP course series, they must complete the entire sequence of courses within the skill area indicated. Upon completion of each skill area sequence, students take program and exit exams to qualify for other college courses.

EAP course descriptions are available in the course descriptions section of this catalog. Tuition for EAP courses follows College guidelines per credit hour.

Domestic and international students must follow the guidelines provided by the College Admissions Department and the International Student Office. Please see the Admissions section of this catalog for more information.
For more information on EAP, please visit the [English Language Studies webpage](#).

### General Education Development (GED)

The General Education Development (GED) program at Seminole State College provides non-credit instruction to prepare students to successfully complete the GED test leading to a State of Florida High School Diploma.

Instruction is provided in the subject areas of language arts, science, social studies and mathematics. To be admitted to the GED Prep Program, students must reach age eighteen (18) by the last day of their first semester.

### Residency and Fees

All qualifying students pay a $30 state-mandated fee upon initial registration in any semester.

### Admission

Applications for the GED program are accepted on the Sanford/Lake Mary, Altamonte and Oviedo campuses.

- Students 18 years of age or older are required to submit the following:
  1. Documentation of age;
  2. A completed GED application.

- Students who wish to transfer directly from a Seminole County high school or from a surrounding county must provide proof of withdrawal from the previous school attended.
- Any student who seeks admission to the GED program and has been expelled or is being recommended for expulsion from Seminole County Public Schools or a surrounding school district will not be considered for admission until the student has completed the terms of the expulsion order and is eligible to return to the home high school.
- Additional admission requirements may apply.

### State of Florida Diploma Requirements

For the most recent requirements to receive a State of Florida Diploma, visit the [GED Department webpage](#).

### Graduation

Students who receive a State of Florida High School Diploma and have attended Seminole State are eligible to participate in the College’s graduation ceremony which is held at the end of Fall and Spring terms.

### Scholarships

The GED program provides a competitive scholarship program for students to continue their college-level studies at Seminole State.

For more information about the GED program, please visit the [GED Website](#).
Course Numbering and Prefixes

State of Florida Course Numbering System

Courses in this catalog are identified by prefixes and numbers that were assigned by Florida’s Statewide Course Numbering System (SCNS). This numbering system is used by all public postsecondary institutions in Florida and 27 participating nonpublic institutions. The major purpose of this system is to facilitate the transfer of courses between participating institutions. Students and administrators can use the online SCNS to obtain course descriptions and specific information about course transfer between participating Florida institutions. This information is at the SCNS website.

Each participating institution controls the title, credit and content of its own courses and recommends the first digit of the course number to indicate the level at which students normally take the course. Course prefixes and the last three digits of the course numbers are assigned by members of faculty discipline committees appointed for that purpose by the Florida Department of Education in Tallahassee. Individuals nominated to serve on these committees are selected to maintain a representative balance as to type of institution and discipline field or specialization.

The course prefix and each digit in the course number have a meaning in the SCNS. The listing of prefixes and associated courses is referred to as the “SCNS taxonomy.” Descriptions of the content of courses are referred to as “statewide course profiles.”

Example of Course Identifier: ENC 1101

<table>
<thead>
<tr>
<th>Prefix</th>
<th>Level Code (first digit)</th>
<th>Century Digit (second digit)</th>
<th>Decade Digit (third digit)</th>
<th>Unit Digit (fourth digit)</th>
<th>Lab Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC</td>
<td>1</td>
<td>1</td>
<td>0</td>
<td>1</td>
<td>No laboratory</td>
</tr>
<tr>
<td>English</td>
<td>Lower (Freshman)</td>
<td></td>
<td>Freshman Composition Skills</td>
<td></td>
<td>component in this course.</td>
</tr>
<tr>
<td>Composition</td>
<td>Level at this Institution</td>
<td>Freshman Composition Skills</td>
<td>Freshman Composition Skills</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

General Rule for Course Equivalencies

Equivalent courses at different institutions are identified by the same prefixes and same last three digits of the course number and are guaranteed to be transferable between participating institutions that offer the course, with a few exceptions, as listed below in Exception to the General Rule for Equivalency.

For example, a freshman composition skills course is offered by 59 different postsecondary institutions. Each institution uses “ENC_101” to identify its freshman composition skills course. The level code is the first digit and represents the year in which students normally take the course at a specific institution. In the SCNS taxonomy, “ENC” means “English Composition,” the century digit “1” represents “Freshman Composition,” the decade digit “0” represents “Freshman Composition Skills,” and the unit digit “1” represents “Freshman Composition Skills I.”

In the sciences and certain other areas, a “C” or “L” after the course number is known as a lab indicator. The “C” represents a combined lecture and laboratory course that meets in the same place at the same time. The “L” represents a laboratory course or the laboratory part of a course that has the same prefix.
and course number but meets at a different time or place.

Transfer of any successfully completed course from one participating institution to another is guaranteed in cases where the course to be transferred is equivalent to one offered by the receiving institution. Equivalencies are established by the same prefix and last three digits and comparable faculty credentials at both institutions. For example, ENC 1101 is offered at a community college. The same course is offered at a state university as ENC 2101. A student who has successfully completed ENC 1101 at a Florida College System institution is guaranteed to receive transfer credit for ENC 2101 at the state university if the student transfers. The student cannot be required to take ENC 2101 again since ENC 1101 is equivalent to ENC 2101. Transfer credit must be awarded for successfully completed equivalent courses and used by the receiving institution to determine satisfaction of requirements by transfer students on the same basis as credit awarded to the native students. It is the prerogative of the receiving institution, however, to offer transfer credit for courses successfully completed that have not been designated as equivalent. NOTE: Credit generated at institutions on the quarter-term system may not transfer the equivalent number of credits to institutions on the semester-term system. For example, 4.0 quarter hours often transfers as 2.67 semester hours.

The Course Prefix

The course prefix is a three-letter designator for a major division of an academic discipline, subject matter area or subcategory of knowledge. The prefix is not intended to identify the department in which a course is offered. Rather, the content of a course determines the assigned prefix to identify the course.

Authority for Acceptance of Equivalent Courses

Section 1007.24(7), Florida Statutes, states:

Any student who transfers among postsecondary institutions that are fully accredited by a regional or national accrediting agency recognized by the United States Department of Education and that participate in the statewide course numbering system shall be awarded credit by the receiving institution for courses satisfactorily completed by the student at the previous institutions. Credit shall be awarded if the courses are judged by the appropriate statewide course numbering system faculty committees representing school districts, public postsecondary educational institutions and participating nonpublic postsecondary educational institutions to be academically equivalent to courses offered at the receiving institution, including equivalency of faculty credentials, regardless of the public or nonpublic control of the previous institution. The Department of Education shall ensure that credits to be accepted by a receiving institution are generated in courses for which the faculty possess credentials that are comparable to those required by the accrediting association of the receiving institution. The award of credit may be limited to courses that are entered in the statewide course numbering system. Credits awarded pursuant to this subsection shall satisfy institutional requirements on the same basis as credits awarded to native students.

Exceptions to the General Rule for Equivalency

Since the initial implementation of the SCNS, specific disciplines or types of courses have been excepted from the guarantee of transfer for equivalent courses. These include courses that must be evaluated individually or courses in which the student must be evaluated for mastery of skill and technique. The following courses are exceptions to the general rule for course equivalencies and may not transfer. Transferability is at the discretion of the receiving institution.

A. Courses not offered by the receiving institution.
B. For courses at non-regionally accredited institutions, courses offered prior to the established transfer date of the course in question.
C. Courses in the ___900-999 series are not automatically transferable and must be evaluated individually. These include such courses as Special Topics, Internships, Apprenticeships, Practica, Study Abroad, Theses and Dissertations.
D. Applied academics for adult education courses.
E. Graduate courses.
F. Internships, apprenticeships, practica, clinical experiences and study abroad courses with numbers other than those ranging from 900-999.

G. Applied courses in the performing arts (Art, Dance, Interior Design, Music and Theatre) and skills courses in Criminal Justice (academy certificate courses) are not guaranteed as transferable. These courses need evidence of achievement (e.g., portfolio, audition, interview, etc.).

Courses at Non-Regionally Accredited Institutions

The SCNS makes available, at [http://scns.fldoe.org](http://scns.fldoe.org), a report titled “Courses at Non-regionally Accredited Institutions,” that contains a comprehensive listing of all non-public institution courses in the SCNS inventory as well as each course’s transfer level and transfer effective date. This report is updated monthly.

Questions about the SCNS should be directed to: Carlene McNeil, Director, Curriculum, Credentialing and Academic Scheduling, Seminole State College, Office of Course and Curriculum Development; 100 Weldon Blvd., Sanford, FL 32773, or the Florida Department of Education, Office of Articulation, 1401 Turlington Building; Tallahassee, FL 32399-0400. Special reports and technical information may be requested by contacting the Statewide Course Numbering System office at 850.245.0427 or [http://scns.fldoe.org](http://scns.fldoe.org). Appeals regarding course credit transfer decisions should be directed to the Office of Enrollment Services, Seminole State College, 100 Weldon Blvd., Sanford, FL 32773.

Guide to Course Prefixes and Corresponding Disciplines

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Terms listed are terms typically offered and are subject to change.

*Courses designated with an asterisk (*) will not meet the requirements for an Associate in Arts or Bachelors degree.

ACG2021  Principles of Financial Accounting

Fall, Spring, Summer  3.00 Credits - 3.00 Hours

This course introduces the student to the theory and practice of financial accounting. Topics include the accounting cycle, analysis of financial statement transactions, financial statement preparation, accounting for assets, liabilities, equities, revenues and expenses. Accounting for entities including partnerships and corporations is introduced. Prerequisites: APA 1111C or MAC 1105; with a grade of "C" or higher.

ACG2021H  Honors Principles of Financial Accounting

Fall, Spring, Summer  3.00 Credits - 3.00 Hours

This course introduces the student to the theory and practice of financial accounting. Topics include the accounting cycle, analysis of financial statement transactions, financial statement preparation, accounting for assets, liabilities, equities, revenues and expenses. Accounting for entities including partnerships and corporations is introduced. Prerequisites: Acceptance into Honors program and APA 1111C or MAC 1105; with a grade of "C" or higher.

ACG2071  Principles of Managerial Accounting

Fall, Spring, Summer  3.00 Credits - 3.00 Hours

This course introduces the student to the use of accounting information by managers. Topics include the use of accounting information for planning and control, capital investment, performance evaluation, decision-making, cash flow statements and financial statement analysis. Prerequisite: ACG 2021.

ACG2071H  Honors Principles of Managerial Accounting

Fall, Spring  3.00 Credits - 3.00 Hours

This course introduces the student to the use of accounting information by managers. Topics include the use of accounting information for planning and control, capital investment, performance evaluation, decision-making, cash flow statements and financial statement analysis. Prerequisites: Acceptance into Honors program and ACG 2021.

ACG2100  Intermediate Accounting Fundamentals

Spring  3.00 Credits - 3.00 Hours

This course expands on topics covered in Financial Accounting course ACG 2021 and presents them within a conceptual framework determined by generally accepted accounting principles. Financial accounting functions, theory and recognition and measurement of assets are covered. Prerequisite: ACG 2021 with a grade of "C" or higher. Corequisite: ACG 2071.

ACG2360  Cost Accounting

Fall  3.00 Credits - 3.00 Hours

This course is a study of the fundamentals of cost accounting within an industrial organization. The accounting functions relative to materials, labor and factory overhead are treated in detail. Job order and process cost systems are fully explored. Standard cost systems, budgeting and managerial control functions
are also discussed. Prerequisites: ACG 2021 and ACG 2071 with a grade of "C" or higher.

**ACG2941  Cooperative Education Internship in Accounting**

**Offered as Needed**  1.00 Credit - 1.00 Hour

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn cooperative education credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student’s academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student’s chosen major as identified in the student’s program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

**ACG2942  Cooperative Education Internship in Accounting**

**Offered as Needed**  2.00 Credits - 2.00 Hours

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn cooperative education credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student’s academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student’s chosen major as identified in the student’s program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

**ACG2944  Accounting AICE A-Level**

**Offered as Needed**  3.00 Credits - 0.00 Hours

Credit for this course is granted to students with passing scores of A, B, C, D or E on the Cambridge AICE British (Level A) exam.

**ACG2949  Cooperative Education Internship in Accounting**

**Offered as Needed**  3.00 Credits - 3.00 Hours

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn cooperative education credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student’s academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student’s chosen major as identified in the student’s program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

**ACG3131  Intermediate Accounting I**

**Fall, Spring, Summer**  3.00 Credits - 3.00 Hours

This course deals with financial accounting practice and theory, including generally accepted accounting principles (GAAP), the conceptual framework, accounting information systems, including financial statement reporting and disclosures, the time value of money, cash controls, accounting and reporting for cash, receivables, inventories and long-term assets. Prerequisites: ACG 2021 and ACG 2071.
ACG3361 Intermediate Managerial Accounting

Fall, Spring, Summer 3.00 Credits - 3.00 Hours

A study of budgeting and cost control systems, including a detailed study of manufacturing cost accounts and reports, job order costing and process costing. Includes introduction to alternative costing methods such as activity-based and just-in-time costing. Reviews planning of profit, cost, sales, cost and profit analysis, profit performance, pricing decisions and measurement. Prerequisites: ACG 2021 and ACG 2071.

* ACR0050C HVACR Refrigeration Concepts

Fall, Spring, Summer 4.16 Credits - 125.00 Hours

This course encompasses classroom/lab study of refrigeration concepts within the HVACR industry. Areas of study include refrigeration theory and applications, refrigerant identification, its application and the handling and storage procedures. Students will also gain knowledge in refrigeration components and troubleshooting methods as well as characteristics of heat types and the application of heat. Lab fee required. Prerequisite: ACR 0100C.

* ACR0100C HVACR Electrical Concepts

Fall, Spring 4.16 Credits - 125.00 Hours

This course encompasses classroom/lab study of the electrical concepts within the HVACR industry. Areas of study include safety practices, tool identification and use, mathematical skills used in the industry as well as HVACR application and diagram application. Students will gain knowledge in electrical theory, design, flow, wiring and sequence of operation. Lab fee required.

* ACR0217C HVACR Technical Proficiency II

Fall 5.00 Credits - 150.00 Hours

This course encompasses classroom/lab study of advanced technical proficiency skills in the HVACR industry. Areas of study include hydronic systems, steam systems, as well as the properties of air. The students will also gain knowledge in refrigerant cycles, measuring indoor air quality, pneumatic control systems and thermal storage systems. Lab fee required. Prerequisite: ACR 0604C.

* ACR0311C HVACR Technical Engineering I

Spring 5.00 Credits - 150.00 Hours

This course encompasses classroom/lab study of HVACR technical engineering skills. Areas of study include calculation of commercial heating and air-conditioning loads, air distribution loads, air distribution systems as well as commercial airside systems. Students will also gain knowledge in energy conservation equipment, building management systems and alternative HVAC systems within various case studies. Lab fee required. Prerequisite: ACR 0217C.

* ACR0423C HVACR Technical Engineering II

Spring 5.00 Credits - 150.00 Hours

This course encompasses classroom/lab study of advanced HVACR technical engineering skills. Areas of study include electrical generation and distribution components, refrigeration-system vibration and insulation as well as commercial refrigeration pipe-sizing and troubleshooting procedures. Students will also gain knowledge in refrigeration storage systems, ice-making machines and refrigeration electrical-system skills. Lab fee required. Prerequisite: ACR 0311C.

* ACR0505C HVACR Service Practices

Fall, Spring, Summer 4.16 Credits - 125.00 Hours

This course encompasses classroom/lab study of basic service practices in the HVACR industry. Areas of study include electrical motors, residential heating and air conditioning systems, ice machines and basic principles for ventilation piping and sizing. Students will gain knowledge in resume writing skills, job
interview techniques and proper service call procedures. Lab fee required. Prerequisite: ACR 0800C.

* ACR0590C HVACR Advanced Service Practices

Fall, Spring, Summer 4.16 Credits - 125.00 Hours

This course encompasses classroom/lab study of advanced service practices in the HVACR industry. Areas of study include digital controls, pneumatic controls and basic duct construction. Students will also gain knowledge in building pressurization, levels of blueprint reading and service call training. Lab fee required. Prerequisite: ACR 0505C.

* ACR0591C HVACR Technical Skills

Fall, Spring, Summer 4.16 Credits - 125.00 Hours

This course encompasses classroom/lab study of HVACR technical skills. Areas of study include project development, heat load calculations and hydronic specialties. Students will gain knowledge in a more advanced study of duct construction and ice machines, control sequence and application and perform a technical skills assessment. Lab fee required. Prerequisite: ACR 0590C.

* ACR0604C HVACR Technical Proficiency I

Fall 5.00 Credits - 150.00 Hours

This course encompasses classroom/lab study of technical proficiency skills in the HVACR industry. Areas of study include combustion theory and safety precautions for using combustion-type heating equipment, and the operations of gas valves and regulators as well as maintaining, testing, and adjusting commercial heating and air conditioning accessories. Students will also gain knowledge in retail and industrial refrigeration systems. Lab fee required. Prerequisite: ACR 0591C.

* ACR0800C HVACR Service Applications

Fall, Spring, Summer 4.16 Credits - 125.00 Hours

This course encompasses classroom/lab study of service applications within the HVACR industry. Areas of study include troubleshooting heating, air-conditioning and refrigeration control systems, soldering, brazing and welding techniques and mechanical joining methods. Students will gain knowledge in the policies and procedures for service technicians, professional ethics and legal responsibilities as well as system design basics. Lab fee required. Prerequisite: ACR 0050C.

* AER0071C Automotive Business Management/Employability Skills

Spring 2.00 Credits - 60.00 Hours

Classroom instruction is provided in the organization and management of small automotive shops, employer-employee and customer relations, processing of work orders, parts inventory control, job search, relocation and interview techniques. Students will identify the advantages and disadvantages of owning and managing a business, identify acceptable work ethic and explain procedures for managing employer-employee and customer relations. Lab fee required.

* AER0072C Automotive Fundamentals and Service

Fall 5.50 Credits - 165.00 Hours

This course begins with an introduction to the automotive systems, tools and equipment and proper procedures for performing lubrication, tire and minor maintenance service on automotive vehicles. Included are use of service manuals, both paper and computer driven, use of measuring and special tools, use of digital volt-ohmmeters, safety and hazardous materials handling and identification and operation and minor service of various automotive systems. Lab fee required.

* AER0199C Automotive Engine Fundamentals
Summer 6.00 Credits - 180.00 Hours

The purpose of this course is to provide the student with an in-depth study of automotive engines, nomenclature of parts, engine types, sizes and operating principles. Engine overhaul procedures are studied and performed including valve train service and machining. Emphasis is placed on proper diagnoses of engine problems including loss of compression, lubrication of components, cylinder balance, noise and vibration problems. Lab fee required. Prerequisite: AER 0072C or permission of instructor.

* AER0399C  Automotive Drive Trains

Summer 6.00 Credits - 180.00 Hours

This course introduces the student to the relationship between the engine, clutch, transmission, drive axle and differential. Organized learning experiences are provided in the operation, service and maintenance of mechanical and hydraulic clutches, manual and automatic transmissions, transaxles and differentials. Automatic transmission and transaxle operation and minor service is included. Lab fee required. Prerequisite: AER 0072C or permission of instructor.

* AER0499C  Automotive Suspension and Brakes

Fall 9.00 Credits - 270.00 Hours

In this course, emphasis is placed on safety and the use of proper procedures for diagnosing, inspecting and repairing brake and suspension systems. Theory and principles of operation are combined with laboratory work which includes wheel alignment, suspension and brake systems, inspection, diagnosis and repair. Lab fee required. Prerequisite: AER 0072C or permission of instructor.

* AER0697C  Automotive Electrical and Electronic Fundamentals

Spring 8.50 Credits - 255.00 Hours

This course provides an in-depth study of electrical and electronic theory, test equipment, wiring diagram interpretation, engine, body and chassis electrical systems. The student, on simulators, computer-based trainers and on-vehicle applications, will demonstrate application of theory. Included are actual work experiences and the use of modern diagnostic tools and equipment. Lab fee required. Prerequisite: AER 0072C or permission of instructor.

* AER0759C  Automotive Heating/Air Conditioning Fundamentals

Spring 4.50 Credits - 135.00 Hours

This course is a systematic study of the heating and ventilation system, the engine cooling system, air conditioning system operation, temperature controls, refrigerants, recovery and recycling. Procedures for diagnosis, service and repair of air conditioning components are also covered. Lab fee required. Prerequisite: AER 0072C or permission of instructor.

* AER1073  Parts and Service

Fall 2.00 Credits - 2.00 Hours

This course will instruct the student in management policies and procedures as related to parts department operation and service department operation. Lab fee required.

* AER1082  Introduction to Vehicle Systems and Minor Service

Fall 3.00 Credits - 6.00 Hours

This course is designed to introduce the student to the various systems of the automobile. It includes instruction in shop practices. The student will learn minor repair procedures, including lubrication, wheel and tire, exhaust system service and new car pre-delivery services. Lab fee required.

* AER1197  Engine Diagnoses and Repair
Spring 4.00 Credits - 8.00 Hours

This course is a study of the principles of operational and problem diagnoses of the internal combustion engine. The theory of operation of the various engines in use is presented. Engines will be properly disassembled, parts identified, inspected, measured and reassembled. Proper testing and break-in procedures along with approved diagnostic troubleshooting procedures will be emphasized. Lab fee required. Prerequisite: AER 1602 or permission of instructor.

* AER1496 Steering and Suspension Systems

Summer 3.00 Credits - 6.00 Hours

The student will develop the knowledge and skills related to the operation and function of steering and suspension systems. Alignment, testing, diagnosis and repair of modern vehicle systems will be emphasized. Lab fee required. Prerequisite: AER 1602.

* AER1596C Brake Systems, Anti-Lock Brakes and Traction Control Systems

Spring 4.00 Credits - 8.00 Hours

This course is a study of the theory and operation of brake systems. Students will learn all aspects of the diagnosis, repair and testing of brake systems including drum and disc brakes and power brake operation and repair, anti-lock brake, traction control and stability control systems. Lab fee required. Prerequisite: AER 1602 or permission of instructor.

* AER1602 Electrical/Electronic Systems I

Fall 4.00 Credits - 8.00 Hours

A comprehensive course introducing the student to the principles of electricity and electronics as applied to electrical systems. The principles of Ohm’s Law will lead the student into the use of digital volt ohmmeters and oscilloscopes utilizing lab and hands-on exercises. Proper diagnostic skills will be taught and applied through the troubleshooting and repair of problems on live vehicles. Lab fee required.

* AER1695 Chassis Electronics

Summer 3.00 Credits - 6.00 Hours

This course will cover automotive chassis-related electrical and electronic systems. Covered systems will include, but not be limited to, instrumentation, ride control, supplemental inflatable restraint system, four wheel steering and power accessories. Theory of operation and diagnosis will be emphasized. Lab fee required. Prerequisites: AER 1602 and ENC 1101 with a grade of “C” or higher or permission of program manager.

AER1758 HVAC Systems

Summer 4.00 Credits - 8.00 Hours

This course is designed to develop an understanding of the theory and operation of modern heating and air conditioning systems as used on vehicles. Included are proper diagnostic and repair procedures. Recycling and storage of CFC’s and the effect on the environment is stressed. Lab fee required. Prerequisite: AER 1602.

* AER2298 Automatic Transmissions/Transaxles

Spring 4.00 Credits - 8.00 Hours

This course covers the operation of modern transmission and drive train components. The student will learn in detail overhaul, testing, diagnosis and repair procedures. Courses related to automatic transmission/transaxles will be included in the curriculum. These are subject to change as new courses replace outdated and obsolete courses. Lab fee required. Prerequisites: AER 1602 and ENC 1101 with a grade of “C” or higher or permission of program manager.

* AER2398 Manual Transmissions/Drive Trains
Spring 3.00 Credits - 6.00 Hours

This course covers the operation of modern manual transmission and drive train components. Overhaul, testing, diagnosis and repair procedures will be emphasized. Noise, vibration and harshness will be taught. Lab fee required. Prerequisites: AER 1602 and ENC 1101 with a grade of "C" or higher or permission of program manager.

* AER2694 Electrical/Electronic Systems II

Fall 4.00 Credits - 8.00 Hours

This course will continue the study of electricity and electronics. It will begin with a review of semiconductor diodes and transistors and continue on through digital devices and microprocessors as applied to electronic and computer-controlled systems. Emphasis will be placed on testing and diagnosis of vehicle communication systems and subsystems. Hybrid, high voltage and electrical safety procedures will be covered. Lab fee required. Prerequisites: AER 1602 and ENC 1101 with a grade of "C" or higher or permission of program manager.

* AER2820C Driveability Diagnosis

Summer 3.00 Credits - 6.00 Hours

This course covers classroom and lab experiences related to approved techniques for diagnosis of driveability problems. Course content will include, but not be limited to, brake, steering and suspension, transmission and drive train, engine and performance diagnoses, including various computer-controlled systems. Lab fee required. Prerequisites: AER 1602 and ENC 1101 with a grade of "C" or higher or permission of program manager.

* AER2840 Engine Control Systems

Fall 4.00 Credits - 8.00 Hours

This course will teach the theory and operation of engine control systems. Emphasis is on approved diagnostic procedures, testing and repair of fuel injected gasoline engine controls. Covered topics include fuel injection, spark and emission control systems and diagnosis. Lab fee required. Prerequisites: AER 1602 and ENC 1101 with a grade of "C" or higher or permission of program manager.

* AER2870C Alternative Fuel and Propulsion Systems

Spring 3.00 Credits - 6.00 Hours

This course introduces the student to emerging technology and alternative fuel propulsion systems. Safety, theoretical operation and service procedures are discussed and practiced in the laboratory environment. Personal protective equipment, high voltage systems, hybrid and electric vehicle components and diagnostic service procedures are emphasized. Hybrid vehicle powertrain sub-systems are explored and unique features that distinguish these vehicles from conventional automobiles are discussed. Prerequisite: AER 2694.

* AER2905 Directed Independent Study in Automotive

Offered as Needed 3.00 Credits - 3.00 Hours

This course is scheduled for individual ASE Certified Technicians to facilitate the transition into the Automotive Service Management Technology Associate in Science Degree.

* AER2920 Selected Studies in Automotive - Automotive Practicum

Fall, Spring, Summer 2.00 Credits - 2.00 Hours

This course offers the automotive student additional lab experiences to complete the necessary requirements for the Automotive A.S. degree program or automotive dual enrollment. The lab experiences will vary depending on the needs of the student. Lab experiences include automotive service shop workflow processes such as safety, diagnostics, repair and interpreting service information.
AER2931  Selected Studies in Automotive - Automotive Practicum

Fall, Spring, Summer 1.00 Credit - 1.00 Hour

This course offers the automotive student additional lab experiences to complete the necessary requirements for the Automotive A.S. degree program or automotive dual enrollment. The lab experiences will vary depending on the needs of the student. Lab experiences include automotive service shop workflow processes such as safety, diagnostics, repair and interpreting service information.

* AER2940  Cooperative Education Internship in Automotive Technology

Fall, Spring, Summer 1.00 Credit - 1.00 Hour

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn cooperative education credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student’s academic program. Prerequisites: Student must have a degree plan of AUTO-AAS at Seminole State College, appropriate job/internship placement and permission from the Career Development Center and Automotive department.

* AER2941  Cooperative Education Internship in Automotive Mechanics

Fall, Spring, Summer 1.00 Credit - 1.00 Hour

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn cooperative education credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student’s academic program.

AER2942 Cooperative Education Internship in Automotive Technology

Fall, Spring, Summer 2.00 Credits - 2.00 Hours

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn cooperative education credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student’s academic program. Prerequisites: Student must have a degree plan of AUTO-AAS at Seminole State College, appropriate job/internship placement and permission from the Career Development Center and Automotive department.

* AER2943  Cooperative Education Internship Automotive Technology

Fall, Spring, Summer 1.00 Credit - 1.00 Hour

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn cooperative education credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student’s academic program.
<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Offered As Required</th>
<th>Credits</th>
<th>Hours</th>
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<tr>
<td>AER2949</td>
<td>Cooperative Education Internship in Automotive Technology</td>
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<td>Origins of American Civilization</td>
<td>Offered as Needed</td>
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<td>AMH2010</td>
<td>United States History to 1865</td>
<td>Fall, Spring, Summer</td>
<td>3.00</td>
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<tr>
<td>AMH2010H</td>
<td>Honors United States History to 1865</td>
<td>Fall, Spring, Summer</td>
<td>3.00</td>
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This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn cooperative education credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student's academic program. Prerequisites: Student must have a degree plan of AUTO-AAS at Seminole State College, appropriate job/internship placement and permission from the Career Development Center and Automotive department.

Credit for this course is awarded to entering students with appropriate scores on the DSST (DANTES) examination in A History of Vietnam War.

This course begins with European arrival in the New World and moves on to colonial America, examining early America regionally. Pre-revolutionary America warrants special attention, including the French and Indian War leading to the Stamp Act and the activities of Boston's "Sons of Liberty." The Declaration of Independence and the U.S. Constitution are examined in detail. Jeffersonian and Jacksonian democracy, westward expansion and the events and issues leading to the American Civil War conclude the course. The role of women and various ethnic groups in the development of America are considered throughout the course. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisite or corequisite: ENC 1101.

This course begins with European arrival in the New World and moves on to Colonial America, examining early America regionally. Pre-revolutionary America warrants special attention, including the French and Indian War leading to the Stamp Act and the activities of Boston's "Sons of Liberty." The Declaration of Independence and the U.S. Constitution are examined in detail. Jeffersonian and Jacksonian democracy, westward expansion and the events and issues leading to the American Civil War conclude the course. The role of women and various ethnic groups in the development of America are considered throughout the course. Honors level content. Permission required from Honors director. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisites
or corequisites: ENC 1101 with a grade of "C" or higher and be an Honors program student.

**AMH2020**  United States History 1865 to Present

**Fall, Spring, Summer**  3.00 Credits - 3.00 Hours

This course begins with the "Reconstruction" period and examines the problems of reunifying America. The nation's industrial period gets close attention, as does the rise of American cities and their accompanying social and political problems. U.S. Imperialism and the Spanish-American War are examined. The "Progressive" period, which includes emphasis on the American Labor Movement and the demand for women's rights are included. World War I and its aftermath in the "Roaring Twenties" are analyzed. The Great Depression and World War II are detailed. The conflicts of the late twentieth century, including the Cold War, Korea, Vietnam and the American Civil Rights Movement are examined. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisite or corequisite: ENC 1101.

**AMH2020H**  Honors United States History 1865 to Present

**Fall, Spring, Summer**  3.00 Credits - 3.00 Hours

This course begins with the "Reconstruction" period and examines the problems of reunifying America. The nation's industrial period gets close attention, as does the rise of American cities and their accompanying social and political problems. U.S. Imperialism and the Spanish-American War are examined. The "Progressive" period, which includes emphasis on the American Labor Movement and the demand for women's rights are included. World War I and its aftermath in the "Roaring Twenties" are analyzed. The Great Depression and World War II are detailed. The conflicts of the late twentieth century, including the Cold War, Korea, Vietnam and the American Civil Rights movement are examined. Honors level content. Permission required from Honors director. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisites or corequisites: ENC 1101 with a grade of "C" or higher and be an Honors program student.

**AMH2035**  The United States 1945 to Present

**Fall, Spring**  3.00 Credits - 3.00 Hours

This course examines the major political, social, economic, cultural, military and diplomatic development that shaped the development of the modern American nation since 1945, including World War II, the Cold War, the McCarthy Era, the complacent fifties, the turbulent sixties, the disillusioning seventies and the search for new directions since, to include the 1980's. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisite or corequisite: ENC 1101.

**AMH2035H**  Honors The United States 1945 to Present

**Fall, Spring**  3.00 Credits - 3.00 Hours

This course examines the major political, social, economic, cultural, military and diplomatic development that shaped the development of the modern American nation since 1945, including World War II, the Cold War, the McCarthy Era, the complacent fifties, the turbulent sixties, the disillusioning seventies and the search for new directions since, to include the 1980's. Honors level content. Permission required from Honors director. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisites or corequisites: ENC 1101 with a grade of "C" or higher and be an Honors program student.

**AMH2070**  History of Florida

**Fall**  3.00 Credits - 3.00 Hours

This course presents the history of Florida from the pre-Columbian era to the present with a special focus on Central Florida. Topics include pre-contact, colonial
and modern periods with emphasis on political developments, population growth and associated social, economic and environmental issues. Corequisite: ENC 1101.

**AMH2090 United States Women’s History**

**Fall, Spring, Summer** 3.00 Credits - 3.00 Hours

This course will cover the role of women in American history from the colonial period to the present. Emphasis will be placed upon the contributions of women to the development of colonial America and their role in pre-Revolutionary times. A separate section will analyze women during the War of Independence and the writing of the U.S. Constitution. Women during the early Republic on the eve of the Civil War and their role in the Reconstruction of America will likewise be discussed. Also addressed is the topic of women as leaders of the "Progressive" movement and during World War I and World War II. The "Women’s Lib" movement of the 1960s and 1970s is examined and the role of women in America today concludes the course. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisite or corequisite: ENC 1101.

**AMH2090H Honors United States Women’s History**

**Fall, Spring** 3.00 Credits - 3.00 Hours

This course will cover the role of women in American history from the colonial period to the present. Emphasis will be placed upon the contributions of women to the development of colonial America and their role in pre-Revolutionary times. A separate section will analyze women during the War of Independence and the writing of the U.S. Constitution. Women during the early Republic on the eve of the Civil War and their role in the Reconstruction of America will likewise be discussed. Also addressed is the topic of women as leaders of the "Progressive" movement and during World War I and World War II. The "Women’s Lib" movement of the 1960s and 1970s is examined and the role of women in America today concludes the course. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisite or corequisite: ENC 1101.

**AMH2091 African American History**

**Fall, Spring** 3.00 Credits - 3.00 Hours

This course analyzes the tribal and national background of Africans before their forced migration to Latin and North America. It examines the so-called "Triangle Trade," Africans in colonial and revolutionary America and the lives of free Black Americans as well as those held in bondage. A close look at the Abolitionist Movement and the American Civil War is included. Prominent African Americans from Benjamin Banneker and Phyllis Wheatley to Martin Luther King and Maya Angelou will be studied. The political, social, economic and religious positions and circumstances of African Americans in the twentieth century will conclude the course. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisite or corequisite: ENC 1101.

**AMH2095 Native American History**

**Fall, Spring** 3.00 Credits - 3.00 Hours

This course begins with the origins of various tribes and a survey of ancient, pre-colonial civilizations in North America. Conflict and survival during European colonization are examined in detail as well as tribal responses to rebellion within the British Empire. Intertribal alliances and the United States Removal Policy warrant special attention, including the relationship between colonization of western territories and the U.S. Civil War. Government assimilation policies, intertribal activism and government reorganization of tribes will also be discussed. Native experiences during World War II and postwar activism will conclude the course. Social, political, economic and geographic diversity within and between tribes will be discussed throughout the course as will the struggle between colonization and decolonization. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisite or corequisite: ENC 1101.
AMH2095H  Honors Native American History

Fall, Spring 3.00 Credits - 3.00 Hours

This course begins with the origins of various tribes and a survey of ancient, pre-colonial civilizations in North America. Conflict and survival during European colonization are examined in detail as well as tribal responses to rebellion within the British Empire. Intertribal alliances and the United States Removal Policy warrant special attention, including the relationship between colonization of western territories and the U. S. Civil War. Government assimilation policies, intertribal activism and government reorganization of tribes will also be discussed. Native experiences during World War II and postwar activism will conclude the course. Social, political, economic and geographic diversity within and between tribes will be discussed throughout the course as will the struggle between colonization and decolonization. Honors level content. Permission required from Honors director. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisites or corequisites: ENC 1101 with a grade of "C" or higher and be an Honors program student.

AML2010  American Literature I

Fall 3.00 Credits - 3.00 Hours

American Literature I is a survey of the historical and cultural development of American belles-lettres from 1630 to the late nineteenth century with attention to the influence of prevalent ideas and expressions of the age. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisite: ENC 1102 with a grade of "C" or higher or permission of instructor.

AML2020  American Literature II

Spring 3.00 Credits - 3.00 Hours

This course is a survey of the historical and cultural development of American literature from the late nineteenth through the twentieth century. It focuses on the fiction, poetry and drama that precede and constitute the Modern Era. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisite: ENC 1102 with a grade of "C" or higher or permission of the instructor.

AML2600  Survey of African American Literature

Fall 3.00 Credits - 3.00 Hours

This course will provide a brief, but comprehensive study of the writing styles of selected African American writers. This study will include a historical perspective of the racial climate in American society, the connection between literature by African Americans and will examine current criticism on selected texts. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisite: ENC 1102 with a grade of "C" or higher or permission of the instructor.
ANT1410  Social Anthropology IB

Offered as Needed  3.00 Credits - 0.00 Hours

Credit for this course is awarded to entering students with an appropriate score on the International Baccalaureate (IB) examination in Social Anthropology.

ANT2000  General Anthropology

Fall, Spring, Summer  3.00 Credits - 3.00 Hours

This course covers the study of man. It is an introductory course covering the economic, cultural, social and political development and technology of primitive societies. Attitudes, approach to problems and the general way of life of primitive societies are compared with modern societies. The course also provides a brief introduction to the development of fossil man and archaeology. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. This class satisfies the General Education State Core Social Science/History requirement for AA degree seeking students. Prerequisite: Eligibility to enroll in ENC 1101 OR test scores that indicate ENC 1101 eligibility OR completion of appropriate college developmental courses for ENC 1101 with grades of “C” or higher OR completion of EAP coursework for ENC 1101 eligibility with grades of “C” or higher.

ANT2410  Introduction to Cultural Anthropology

Fall, Spring, Summer  3.00 Credits - 3.00 Hours

This course will explore the nature, characteristics and content of culture from an anthropological perspective by examining the economy, art, religion, politics, language and kinship patterns of individual human societies. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Credit for this course is also awarded to entering students with appropriate scores on the International Baccalaureate (IB) examination in Social Anthropology. Prerequisite: Eligibility to enroll in ENC 1101 OR test scores that indicate ENC 1101 eligibility OR completion of appropriate college developmental courses for ENC 1101 with grades of “C” or higher OR completion of EAP coursework for ENC 1101 eligibility with grades of “C” or higher.

ANT2930  Selected Studies in Anthropology

Offered as Needed  3.00 Credits - 3.00 Hours

In this course, topics of current interest are presented in group instruction. This course may be taken four times for credit. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisite: ENC 1101 with a grade of “C” or higher or corequisite ENC 1101.

ANT2941  Cooperative Education Internship in Anthropology

Offered as Needed  1.00 Credit - 1.00 Hour

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn cooperative education credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student’s academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student’s chosen major as identified in the student’s program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

ANT2949  Cooperative Education Internship in Anthropology

Offered as Needed  3.00 Credits - 3.00 Hours

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the
assigned faculty advisor is required. Students may earn cooperative education credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student’s academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student’s chosen major as identified in the student’s program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement, permission from the Career Development Center and ENC 1101 with a grade of “C” or higher. Corequisite: ENC 1101.

ANT2950 Travel Study in Anthropology
Offered as Needed 3.00 Credits - 3.00 Hours

This travel study course combines preparation on campus, foreign travel and study abroad in the discipline of anthropology with variable content depending on the specific program in which the student enrolls. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisite: ENC 1101 with a grade of “C” or higher or corequisite ENC 1101.

APA1111C Office Accounting I
Fall, Spring, Summer 3.00 Credits - 3.00 Hours

This course provides instruction and practice in the fundamentals of accounting. Selected topics include accounts payable and receivable, cash control systems, worksheets, financial statements, adjusting and closing entries, purchases and cash payments, sales and cash receipts and payroll. This course may be used to provide a foundation for financial accounting. Activities are recorded manually and in an accounting software program. Lab fee required.

APA1112C Office Accounting II Using QuickBooks
Fall, Spring, Summer 3.00 Credits - 3.00 Hours

In this course, students will learn to use Quickbooks, a computerized accounting software program. Selected topics include setting up a company, setting up and modifying a chart of accounts, tracking invoices and customer payments, entering and paying bills, tracking inventory, using banking features and preparing financial reports. Lab fee required. Prerequisite: APA 1111C or ACG 2021.

APA2941 Cooperative Education Internship in Accounting
Offered as Needed 1.00 Credit - 1.00 Hour

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn cooperative education credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student’s academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student’s chosen major as identified in the student’s program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

APA2942 Cooperative Education Internship in Accounting
Offered as Needed 2.00 Credits - 2.00 Hours

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn cooperative education credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student’s academic program.
program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student’s chosen major as identified in the student’s program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Description</th>
<th>Offered/Prerequisite Notes</th>
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<tbody>
<tr>
<td>APA2949</td>
<td>Cooperative Education Internship in Accounting</td>
<td>Offered as Needed</td>
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<td></td>
<td>This course is designed to provide students the</td>
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<td>may be a component of this course and regular contact with the assigned faculty advisor</td>
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<td>is required. Students may earn cooperative education credits based on the completion of</td>
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<td>the required work experience and satisfactory completion of assignments including, but not</td>
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<td>limited to, seminars and a project. This course may be repeated based upon the student’s</td>
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<td>academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses)</td>
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<td>completed at Seminole State College which includes course(s) specifically aligned with the</td>
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<td>student’s chosen major as identified in the student’s program plan, a Seminole State</td>
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<td>College cumulative GPA of at least 2.5, appropriate job/internship placement and permission</td>
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<td>from the Career Development Center.</td>
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<tr>
<td>ARC1301</td>
<td>Architectural Design I</td>
<td>Fall, Spring</td>
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<tr>
<td></td>
<td>This course introduces the student to the basic</td>
<td>concepts of architectural design including aspects and determinants of form and space.</td>
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<td></td>
<td>Drafting skills and the concepts of graphic communication are introduced and developed.</td>
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<td>Lab fee required.</td>
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<tr>
<td>ARC1313</td>
<td>Architectural Design II</td>
<td>Spring, Summer</td>
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<tr>
<td></td>
<td>This course is a continuation of Architectural Design I</td>
<td>With an emphasis on the application of ordering concepts and exploring form through 3D</td>
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<td>modeling. Lab fee required. Prerequisite:</td>
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<tr>
<td>ARC2930</td>
<td>Selected Studies in Architectural Design</td>
<td>Fall, Spring, Summer</td>
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<td>In this course topics of current interest are presented</td>
<td>group instruction. This course may be taken four times for credit. Lab fee required.</td>
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<tr>
<td>ARC2941</td>
<td>Cooperative Education Internship in Architectural</td>
<td>Fall, Spring, Summer</td>
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<td></td>
<td>Design</td>
<td>This course is designed to provide students the opportunity to apply classroom theory to</td>
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<td>practical, work-related applications. Seminars may be a component of this course and</td>
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<td>satisfactory completion of assignments including, but not limited to, seminars and a</td>
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<td>cumulative GPA of at least 2.5, appropriate job/internship placement and permission from</td>
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<td>the Career Development Center.</td>
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<td>ARC2942</td>
<td>Cooperative Education Internship in Architectural</td>
<td>Fall, Spring, Summer</td>
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<td>the Career Development Center.</td>
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ARC2949  Cooperative Education Internship in Architectural Design

Fall, Spring, Summer  3.00 Credits - 3.00 Hours

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn cooperative education credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student’s academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student’s chosen major as identified in the student’s program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

ARE2000  Art and Creative Expression

Fall, Summer  3.00 Credits - 3.00 Hours

This course provides a study of the techniques used in art, music, storytelling and dramatic activities with young children, birth through age eight, with emphasis on interdisciplinary learning. Students plan, implement and evaluate experiences that will contribute to the creative, motor, affective, perceptual, cognitive and aesthetic development of the young child.

ARH1000  Art Appreciation

Fall, Spring  3.00 Credits - 3.00 Hours

This course introduces students to art from a variety of cultures and historical contexts. Topics include major art movements, varieties of materials and aesthetic theories. Coursework covers formal terms, elements and principles common to the study of art and architecture. The course stresses the relationship of design principles to various art forms including, but not limited to, sculpture, painting and architecture. Upon completion, students should be able to identify and analyze a variety of artistic styles, periods and media and students will have an increased vocabulary of art terminology. This class satisfies the General Education State Core Humanities requirement for AA degree seeking students. Prerequisite: Eligibility to enroll in ENC 1101 OR test scores that indicate ENC 1101 eligibility OR completion of appropriate college developmental courses for ENC 1101 with grades of “C” or higher OR completion of EAP coursework for ENC 1101 eligibility with grades of “C” or higher.

ARH2050  Art History I

Fall, Spring, Summer  3.00 Credits - 3.00 Hours

This course is an integrated study of the main developments of the visual art forms (architecture, sculpture and painting) from Paleolithic man to the Early Renaissance. World art will be integrated into the content. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisite: Eligibility to enroll in ENC 1101 OR test scores that indicate ENC 1101 eligibility OR completion of appropriate college developmental courses for ENC 1101 with grades of “C” or higher OR completion of EAP coursework for ENC 1101 eligibility with grades of “C” or higher.

ARH2051  Art History II
<table>
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<th>Course Code</th>
<th>Course Title</th>
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<th>Credits</th>
<th>Hours</th>
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<tr>
<td>ART1012</td>
<td>Visual Arts IB</td>
<td>Offered as Needed</td>
<td>3.00</td>
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<tr>
<td>ART1014</td>
<td>Visual Arts IB</td>
<td>Offered as Needed</td>
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<tr>
<td>ART1201C</td>
<td>Design Fundamentals I</td>
<td>Fall, Spring, Summer</td>
<td>3.00</td>
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<tr>
<td>ART1203C</td>
<td>Design Fundamentals II</td>
<td>Fall, Spring, Summer</td>
<td>3.00</td>
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<tr>
<td>ART1300C</td>
<td>Drawing I</td>
<td>Fall, Spring, Summer</td>
<td>3.00</td>
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<tr>
<td>ART1301C</td>
<td>Drawing II</td>
<td>Fall, Spring, Summer</td>
<td>3.00</td>
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<tr>
<td>ART2330C</td>
<td>Figure Drawing</td>
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</table>
Fall 3.00 Credits - 5.00 Hours

This course approaches the representation of the human figure through the study of structure, proportion, scale, anatomy and life qualities. Emphasis is on the act of seeing, recording and interpreting. Live models are used with an exploration of dry and wet media. Recommended for art majors and animation majors. Lab fee required. Prerequisite: ART 1301C with a grade of "C" or higher or permission of instructor.

ART2400C  Printmaking I

Spring 3.00 Credits - 5.00 Hours

This course is an introduction to the basics of printmaking. Technical presentations will familiarize the student with intaglio, relief, silkscreen processes and concepts of image-making. Students experience the artistic growth of imagery and technique while learning the use of tools, techniques and machinery used in printmaking. Emphasis is placed on the unique image-making properties of the processes explored. Use of the computer to explore photographic printmaking is introduced. This course is suitable for both the art major and the non-art major. Lab fee required. Prerequisite: ART 1201C or ART 1300C.

ART2401C  Printmaking II

Fall 3.00 Credits - 5.00 Hours

The student will use skills gained in Printmaking I to further explore technical and aesthetic issues related to the intaglio, relief and silkscreen processes. Use of the computer as it relates to printmaking is further explored. Contemporary issues of printmaking and visual art are addressed. Lab fee required. Prerequisite: ART 2400C.

ART2500C  Painting I

Fall, Spring 3.00 Credits - 5.00 Hours

This course is an introduction to technical and formal issues in acrylic and/or oil painting. This course is designed to assist the student in developing a visual language by emphasizing conceptual form, structure and content of the work produced. Students explore different methods of achieving visual dexterity with a focus on technique as it applies to meaning. A historical context to painting as a serious art form is introduced. This course is suitable for both the art major and the non-art major. Lab fee required. Prerequisite: ART 1201C or ART 1300C.

ART2501C  Painting II

Fall, Spring 3.00 Credits - 5.00 Hours

The student uses skills gained in Painting I to explore a personal vision with regard to painting concept and image development. Discovery, individual voice and focus will be used to promote the student’s interests through specific projects. This course considers contemporary issues in painting with an emphasis on movements and attitudes prevalent in the post-World War II art world. Lab fee required. Prerequisite: ART 2500C.

ART2570C  Fresco Painting

Fall, Spring 3.00 Credits - 5.00 Hours

This course is an introduction to the techniques, materials, history and theory of fresco painting. Lab fee required. Prerequisite: ART 1300C.

ART2750C  Ceramics I

Fall, Spring, Summer 3.00 Credits - 5.00 Hours

This course is an introduction to techniques and a variety of content and expression available to the ceramic hand-builder. The emphasis is to enable the student to realize dimensional imagery in clay from sculpture to pottery. The complete ceramic process is introduced. Students are encouraged to create individual expressions. This course is suitable for both the art major and the non-art major. Lab fee required.
Fall, Spring, Summer 3.00 Credits - 5.00 Hours

This is an intermediate-level course where the student explores the ceramic process ranging from sculpture to pottery. This course further develops techniques and a variety of content and expression available in both wheel thrown pottery and hand-building. Assignments are used to explore the connection among potential functions, aesthetics and concepts. Students are encouraged to give expression to a personal statement within the ceramic process. Lab fee required. Prerequisite: ART 2750C.

ART2906C Directed Studies in Ceramics

Fall, Spring 3.00 Credits - 3.00 Hours

This course is scheduled for the individual student who wishes to explore special ceramics topics in greater depth than is possible in existing ceramics courses. The student must present a learning contract to the faculty member who is to direct the work. This course may be taken two times for credit. Lab fee required. Prerequisites: ART 2750C and ART 2751C and instructor permission.

ART2930C Selected Studies in Art

Offered as Needed 3.00 Credits - 3.00 Hours

In this course topics of current interest are presented in group instruction. Lab fee required.

ART2941 Cooperative Education Internship in Art

Offered as Needed 1.00 Credit - 1.00 Hour

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn cooperative education credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student’s academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student’s chosen major as identified in the student’s program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

ART2942 Cooperative Education Internship in Art

Offered as Needed 2.00 Credits - 2.00 Hours

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn cooperative education credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student’s academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student’s chosen major as identified in the student’s program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

ART2949 Cooperative Education Internship in Art

Offered as Needed 3.00 Credits - 3.00 Hours

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn cooperative education credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student’s academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at
Seminole State College which includes course(s) specifically aligned with the student’s chosen major as identified in the student’s program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

**ART2950   Travel Study in Art**
Offered as Needed 3.00 Credits - 3.00 Hours

This is an art travel/study course combining preparation on campus, travel and study. Content is variable depending on the program in which the student enrolls and the specific topics to be covered. Students must be 18 years of age on or before departure.

**ASH1044   Introduction to the Modern Middle East DSST Exam DANTES**
Offered as Needed 3.00 Credits - 0.00 Hours

Credit for this course is granted to students with scores of 47 or higher on the DSST Examination (DANTES) in Introduction to the Modern Middle East.

**ASH2021   East Asian History (China, Japan and Korea)**
Spring 3.00 Credits - 3.00 Hours

This course examines the history of China, Japan and Korea from 1600 to the present. It will examine the major political, cultural and religious influences during this period. It will also examine the influence of East Asia on the European and American economies and vice versa. Prerequisite: ENC 1101.

**ASL1140   American Sign Language I**
Fall, Spring, Summer 4.00 Credits - 4.00 Hours

This course is designed as an introduction to the principles of American Sign Language (ASL) and the deaf culture. The student will be instructed in the study of ASL linguistic structure and develop a 300+ conceptually accurate sign vocabulary. Emphasis will be placed on conversational expressive/receptive skills and protocol. Lab fee required.

**ASL1150   American Sign Language II**
Fall, Spring, Summer 4.00 Credits - 4.00 Hours

In this course, the deaf culture and principles related to an intermediate level of conceptual sign language will be emphasized. Complex grammatical structure and construction will be introduced. Students will develop advanced receptive and expressive conversation skills. Lab fee required. Prerequisite: ASL 1140.

**ASL2160   American Sign Language III**
Fall, Spring 4.00 Credits - 4.00 Hours

This course is designed to be a continuation of American Sign Language II and is intended to increase competence in American Sign Language (ASL). Receptive and expressive skills are further developed. The student will study cultural anthropology as related to the deaf, sign syntax analysis, neural basis of sign linguistics, the community of the deaf, educational effect, deaf history and accommodations. Lab fee required. Prerequisites: ASL 1140 and ASL 1150 with a grade of “C” or higher.

**AST1002   Introduction to Astronomy**
Fall, Spring, Summer 3.00 Credits - 3.00 Hours

This course is a survey of the elementary aspects of the astronomical universe. Topics include the history and growth of astronomy, instrumentation, solar system, stars, galaxies and cosmology. Star-gazing sessions and planetarium trips are included to identify the prominent constellations and stars. This class satisfies the General Education State Core Science requirement for AA degree seeking students.
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<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Term(s)</th>
<th>Credits - Hours</th>
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<tr>
<td>AST1002L</td>
<td>Introduction to Astronomy Laboratory</td>
<td>Fall, Spring</td>
<td>1.00 Credit - 3.00 Hours</td>
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<td>This is a basic astronomy laboratory for those registered in Introduction to Astronomy. Laboratory work will include constellation identification, telescope work, use of the planetarium and an introduction to the basic experimental techniques used in astronomy. Lab fee required. Prerequisite or corequisite: AST 1002.</td>
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<tr>
<td>AST2930</td>
<td>Selected Studies in Astronomy</td>
<td>Offered as Needed</td>
<td>3.00 Credits - 3.00 Hours</td>
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<tr>
<td>BAN1501</td>
<td>Money and Banking DSST Exam DANTES</td>
<td>Offered as Needed</td>
<td>3.00 Credits - 0.00 Hours</td>
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<td>Credit for this course is granted to students with scores of 48 or higher on the DSST Examination (DANTES) in Money and Banking.</td>
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<tr>
<td>* BCA0001</td>
<td>Introduction to the Construction Industry</td>
<td>Fall</td>
<td>3.00 Credits - 90.00 Hours</td>
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<tr>
<td></td>
<td>This course encompasses the fundamentals of the construction field. Students will gain knowledge with a basic introduction to the construction industry including safety, math skills, blueprint reading, hand and power tools and basic rigging. Students will obtains CPR, First Aid and OSHA certifications and will acquire human relations skills, interpersonal relationship skills and workplace productivity skills. In addition, students will be introduced to the basic functions of a computer.</td>
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<tr>
<td>* BCA0002</td>
<td>Basic Construction Skills</td>
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<tr>
<td>Fall, Spring</td>
<td>3.10 Credits - 93.00 Hours</td>
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<td>This course will provide a basic introduction to construction and will include basic safety, basic math, introduction to tools, basic rigging, introduction to blueprints and the identification of electrical conductors, devices and conduits.</td>
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<tr>
<td>* BCA0301</td>
<td>Pre-Apprenticeship Basic Construction Skills B</td>
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<tr>
<td>Spring</td>
<td>6.00 Credits - 180.00 Hours</td>
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<td>This course will provide information on the National Electrical Code, blueprint reading and job site use, material identification, electrical safety on the job site, electrical theory mathematics, formulas, power tools and their use, OSHA, CPR and First Aid and the use and installation of electrical wiring, material and equipment.</td>
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<tr>
<td>* BCA0441L</td>
<td>Plumbing OJT</td>
<td>Fall, Spring, Summer</td>
<td>21.33 Credits - 640.00 Hours</td>
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<tr>
<td></td>
<td>This application-based course encompasses the actual on-the-job training performance and proficiency of all plumbing trade skills. This course may be repeated up to four times.</td>
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<tr>
<td>* BCA0442L</td>
<td>Plumbing OJT</td>
<td>Fall, Spring, Summer</td>
<td>22.67 Credits - 680.00 Hours</td>
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<tr>
<td></td>
<td>This application-based course encompasses the actual on-the-job training performance and proficiency of all plumbing trade skills. This course may be repeated up to eight times.</td>
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</tr>
<tr>
<td>* BCA0451</td>
<td>Fundamentals of Plumbing II</td>
<td>Fall</td>
<td>3.00 Credits - 90.00 Hours</td>
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<td></td>
<td>This course encompasses the fundamentals of trade math, drawings and specifications, trenching, grading and joining pipe. The student will develop the skills</td>
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</table>
used in connecting sewer mains and installing roof, floor and area drains and their supports.

* BCA0452 Fundamentals of Plumbing III
Fall 3.00 Credits - 90.00 Hours

This course encompasses the fundamentals of drawings, local plumbing code, offsets and angles, venting and waste installation. Students will be introduced to the equipment necessary for installing lift stations and sump pumps.

* BCA0453 Fundamentals of Plumbing IV
Fall 3.00 Credits - 90.00 Hours

This course encompasses the fundamentals of sizing water supply and drainage systems along with fixture demand and code requirements.

* BCA0454 Advanced Plumbing I
Spring 3.00 Credits - 90.00 Hours

This advanced course encompasses a basic introduction to the construction industry along with trade-specific math skills and blueprint reading. Students will also gain knowledge in the techniques of pipe joining, pipe cutting, pipe threading and installation of various piping systems.

* BCA0455 Advanced Plumbing II
Spring 3.00 Credits - 90.00 Hours

This advanced course encompasses layout and installation of piping systems and fixtures. The student will gain knowledge in basic fixtures, valves, pneumatic and hydrostatic testing and shall be able to demonstrate setting fixtures.

* BCA0456 Advanced Plumbing III
Spring 3.00 Credits - 90.00 Hours

This course encompasses water pressure, shock arrestors, back flow preventers, filtering and softening water, sanitizing water supply, fixture location, piping for solar heating and natural gas fired heating units.

* BCA0457 Advanced Plumbing IV
Spring 3.00 Credits - 90.00 Hours

This course covers compressed air piping systems, corrosive resistant waste piping, medial gas piping and private waste disposal and water supply systems. The student will also gain knowledge in the installation of swimming pools and hot tubs.

* BCA0458* Fundamentals of Fire Sprinklers I
Fall, Spring 2.00 Credits - 60.00 Hours

This course encompasses the fundamentals of the construction field. Students will gain knowledge with a basic introduction to the construction industry including safety, math skills, blueprint reading, hand and power tools and basic rigging. Students will obtain CPR, First Aid and OSHA certifications.

* BCA0459 Fundamentals of Fire Sprinklers II
Fall 2.00 Credits - 60.00 Hours

This course encompasses additional fundamentals of the construction field. Students will acquire human relations skills, interpersonal relationship skills, workplace productivity skills and will be introduced to the basic functions of a computer. In addition, this course encompasses the types of pipe hangers, supports and restraints found on the job and identifies various materials in threading piping systems. The student will also gain knowledge in flanged, grooved and plain-end fittings.

* BCA0460 Fundamentals of Fire Sprinklers III
Fall 2.00 Credits - 60.00 Hours
This course encompasses general math trade skills and types of construction and plans used for the installation of sprinkler systems. The student will also gain knowledge in basic hydraulic concepts and selection of hydraulic design methods.

* BCA0473  Fundamentals of Fire Sprinklers IV  
Fall  2.00 Credits - 60.00 Hours  
This course encompasses the fundamentals of fire pumps and the beginning basics of special extinguishing systems.

* BCA0474C Intermediate Fire Sprinklers I  
Spring  2.00 Credits - 60.00 Hours  
This course encompasses additional fundamentals of the construction field. Students will acquire human relations skills, interpersonal relationship skills, workplace productivity skills and will be introduced to the basic functions of a computer. In addition, this course encompasses the types of pipe hangers, supports and restraints found on the job site and identifies various materials in threading piping systems. The student will also gain knowledge in flanged, grooved and plain-end fittings.

* BCA0475  Intermediate Fire Sprinklers II  
Spring  2.00 Credits - 60.00 Hours  
This course encompasses the installation of underground fire mains and trim outs, purification and flow tests, test forms and approving authority requirements and tests, standpipe systems and classifications and codes.

* BCA0476  Intermediate Fire Sprinklers III  
Spring  2.00 Credits - 60.00 Hours  
This course encompasses the chemical and physical properties of water, the different water supplies available for automatic fire sprinkler systems and the fundamentals of fire pumps. The student will also gain knowledge in the different types of pre-action and deluge systems along with troubleshooting techniques.

* BCA0477  Intermediate Fire Sprinklers IV  
Fall  2.00 Credits - 60.00 Hours  
This course encompasses a more advanced look at special extinguishing systems, system design and inspection and maintenance.

* BCA0478  Advanced Fire Sprinklers I  
Summer  1.20 Credits - 36.00 Hours  
This advanced course encompasses types of fire sprinkler systems, control valves, fire sprinkler symbols and hazards and required code capacities and times.

* BCA0479  Advanced Fire Sprinklers II  
Summer  1.20 Credits - 36.00 Hours  
This course encompasses the final testing and inspection of a fire protection system, spacing location, position of sprinkler heads, hydraulic calculated systems, types of fire protection systems and valves, supplemental fire detection tests and code requirements.

* BCA0494  Advanced Fire Sprinklers III  
Summer  1.20 Credits - 36.00 Hours  
This course encompasses an advanced look at special extinguishing systems and the inspection and maintenance of fire sprinkler systems. The student will also gain knowledge in the responsibilities and leadership skills needed to be a foreman.

* BCA0495  Advanced Fire Sprinklers IV  
Summer  1.20 Credits - 36.00 Hours
This is an advanced course encompassing foremanship responsibility.

* BCA0496L Fire Sprinkler OJT
Fall, Spring, Summer  21.33 Credits - 640.00 Hours
This application-based course encompasses the actual on-the-job training performance and proficiency of all fire sprinkler trade skills. This course may be repeated up to three times.

* BCA0497L Fire Sprinkler OJT
Fall, Spring, Summer  22.67 Credits - 680.00 Hours
This application-based course encompasses the actual on-the-job training performance and proficiency of all fire sprinkler trade skills. This course may be repeated up to six times.

BCN1001  Introduction to the Built Environment
Fall, Summer  3.00 Credits - 3.00 Hours
This course will familiarize pre-construction students with the nature and functioning of the construction industry and the building construction curriculum, labs and technology. The specific roles, practices and techniques within the construction industry will be emphasized and will include knowledge of the organizational structure associated with the design and construction process (architect, engineer, general contractor, subcontractor and material suppliers) and current trends in industry.

BCN1060C  Basic Home Maintenance
Fall, Spring, Summer  2.00 Credits - 2.00 Hours
Routine home maintenance is the key to prevent small problems from turning into large, more expensive repairs. Maintenance also ensures the proper operation and optimal performance of the main mechanical systems of the home. This course is designed to help the homeowner create a personal Monthly Home

Maintenance Checklist and to identify essential equipment for a toolkit. Step-by-step, in-class demonstrations will offer the student hands-on experience as to how to undertake these tasks. Topics include, but are not limited to, the proper cleaning and replacement of air-conditioner filters, how to flush the air conditioner drain line to prevent clogs, hot water heater maintenance (i.e., drain the tank to remove calcium build-up), repairing a leaky faucet or toilet and weatherizing doors and windows. Safety guidelines will be presented throughout the course and will include basic hand and power tool safety and electrical panel safety. Lab Fee required.

BCN1221  Principles of Building Construction
Fall, Spring, Summer  3.00 Credits - 3.00 Hours
This course offers insight into the principles and practices of commercial and industrial building construction using structural steel, timber and concrete. The course introduces the student to the systems, methods and equipment available and commonly used on construction projects, from site work through certificate of occupancy.

BCN1579  Tiny House Living: Less is More
Fall, Spring, Summer  3.00 Credits - 3.00 Hours
This course addresses the Tiny House phenomenon from a lifestyle, design and construction perspective. Students will be introduced to the Tiny House Movement, basic “Living Small” concepts, design principles and construction considerations. Various types of Tiny Homes, from homes on wheels to semi-permanent, will be presented and the pros/cons of each discussed. Design topics discussed include space efficiency, appropriate interior finishes, multi-purpose furnishings/appliances, sustainability (eco-friendly) features and technologies. Construction budgets, building codes and ordinances will provide the Tiny House homeowner with guidelines as he or she transitions into this up-and-coming lifestyle. Students will be provided a scaled “Tiny House” kit to design and assemble as a final project. Lab Fee required.
BCN2230  Construction Materials and Methods I
Fall, Spring, Summer  3.00 Credits - 4.00 Hours
An introduction to the art of building, this course deals with whole systems of building that include heavy timber framing, wood platform framing, masonry load bearing walls, structural steel framing, concrete framing and enclosures. The evolutionary development of the system, the properties of its major materials, the possibilities and limitations of the building method and the basis for choosing among systems is covered.

BCN2231  Construction Materials and Methods II
Fall, Spring  3.00 Credits - 4.00 Hours
An in-depth study of the techniques, structure, characteristics, analysis and application of modern construction and engineering materials with an emphasis on the processing, structure, properties and performance interrelationship. Students will gain an understanding of material science and use experimentation to discover applications and techniques of materials. An emphasis will be placed on high-performance materials within the built environment. Prerequisite: BCN 2230.

BCN2251C  Building Construction Documents
Fall, Spring  3.00 Credits - 3.00 Hours
This intermediate course provides knowledge of how building construction and architectural drawings are prepared. An emphasis will be placed on the extraction and management of information from these documents as it applies to scope of work, submittals, RTI, addendums and change orders. This course will familiarize students with light construction building systems and assemblies, topics include basic construction abbreviations, symbology, various scaling of drawings, MEP building systems and techniques. Students must complete this course with a grade of “C” or higher. Lab fee required. Prerequisites: BCN 1221 and BCN 2230. Prerequisite/corequisite: BCT 2770.

BCN2272  Blueprint Reading
Fall, Summer  3.00 Credits - 3.00 Hours
Blueprint Reading is a study of the principles involved in the use and interpretation of drawings and specifications commonly used in light construction. Topics include history of recorded drawings, architectural and structural details, materials, structural, mechanical and electrical systems and related building code requirements. Lab fee required.

BCN2599  Green Building and Energy Efficiency
Fall, Spring  3.00 Credits - 3.00 Hours
During this course, students will examine the environmental impacts of building construction and explore the fundamental concepts of energy efficient design. Topics include sustainable site planning, green materials and resources, indoor environmental quality, water reduction and waste management. This class will prepare students to take the Leadership in Energy and Environmental Design (LEED) Green Associate exam.

BCN2721  Construction Scheduling and Planning
Spring, Summer  3.00 Credits - 4.00 Hours
This is an introductory course in project scheduling methods using Bar Charts, Critical Path Method (CPM), Precedence Diagram Method and Linear Scheduling. Students will develop an understanding of resources, costs, updating/expediting and controlling costs associated with construction projects. Primavera P6 will be used to create the various schedules. Lab fee required. Prerequisites: BCN 1221 and BCN 2230. Prerequisite or corequisite: BCT 2770.

BCN2726  Construction Planning and Scheduling II
Fall  3.00 Credits - 4.00 Hours
This is an advanced course in project scheduling methodology and cost control. Students will schedule a commercial office building and warehouse of 25,000
square feet. Emphasis will be placed on earned value method, time impact analysis for delay claims and Monte Carlo Simulations for risk analysis. All scheduling logic, manpower assessments and cost control information will be entered into the CPM scheduling program (Primavera P6). A wide variety of reports will be produced and presented in a formal client presentation. Lab Fee required. Prerequisite: BCN 2721 with a grade of "C" or higher.

BCN2930 Selected Studies in Building Construction

Fall, Spring, Summer 3.00 Credits - 3.00 Hours

In this course, topics of current interest are presented in group instruction. This course may be taken four times for credit. Lab fee required.

BCN2941 Cooperative Education Internship in Building Construction

Fall, Spring, Summer 1.00 Credit - 1.00 Hour

This course is designed to provide students the opportunity to apply the classroom theory to practical, work-related applications to provide students a general exposure to various aspects of the construction industry. Students are expected to seek and complete the required 50 internship hours with general contractors, subcontractors, architectural and engineering firms, project owners or material suppliers in order for the work experience to be considered as qualified learning experience. Seminars may be a component of this course. Students may earn cooperative education based on the completion of the required hours, approved work experience and satisfactory completion of assignments including, but not limited to, seminars, work portfolios and internship reports. Students shall secure an internship opportunity and/or employer sponsorship prior to seeking departmental approval. This course may be repeated based upon the student’s academic plan. Prerequisite: Dean and/or department approval of employer and job responsibilities prior to registration in this course, a minimum of 12 technical college credits (excluding prep courses) in Building Construction completed at Seminole State College which includes courses specifically aligned with the student’s chosen major as identified in the student’s program plan, a Seminole State cumulative GPA of at least 2.5 and an appropriate job/internship placement. Self-registration is available upon final permission granted through the Career Development Center.

BCN2942 Cooperative Education Internship in Building Construction

Fall, Spring, Summer 2.00 Credits - 2.00 Hours

This course is designed to provide students the opportunity to apply the classroom theory to practical, work-related applications to provide students a general exposure to various aspects of the construction industry. Students are expected to seek and complete the required 100 internship hours with general contractors, subcontractors, architectural and engineering firms, project owners or material suppliers in order for the work experience to be considered as qualified learning experience. Seminars may be a component of this course. Students may earn cooperative education based on the completion of the required hours, approved work experience and satisfactory completion of assignments including, but not limited to, seminars, work portfolios and internship reports. Students shall secure an internship opportunity and/or employer sponsorship prior to seeking departmental approval. This course may be repeated based upon the student’s academic plan. Prerequisite: Dean and/or department approval of employer and job responsibilities prior to registration in this course, a minimum of 12 technical college credits (excluding prep courses) in Building Construction completed at Seminole State College which includes courses specifically aligned with the student’s chosen major as identified in the student’s program plan, a Seminole State cumulative GPA of at least 2.5 and an appropriate job/internship placement. Self-registration is available upon final permission granted through the Career Development Center.

BCN2949 Cooperative Education Internship in Building Construction

Fall, Spring, Summer 3.00 Credits - 3.00 Hours

This course is designed to provide students the opportunity to apply the classroom theory to practical, work-related applications to provide students a general exposure to various aspects of the construction industry. Students are expected to seek and complete the required 100 internship hours with general contractors, subcontractors, architectural and engineering firms, project owners or material suppliers in order for the work experience to be considered as qualified learning experience. Seminars may be a component of this course. Students may earn cooperative education based on the completion of the required hours, approved work experience and satisfactory completion of assignments including, but not limited to, seminars, work portfolios and internship reports. Students shall secure an internship opportunity and/or employer sponsorship prior to seeking departmental approval. This course may be repeated based upon the student’s academic plan. Prerequisite: Dean and/or department approval of employer and job responsibilities prior to registration in this course, a minimum of 12 technical college credits (excluding prep courses) in Building Construction completed at Seminole State College which includes courses specifically aligned with the student’s chosen major as identified in the student’s program plan, a Seminole State cumulative GPA of at least 2.5 and an appropriate job/internship placement. Self-registration is available upon final permission granted through the Career Development Center.
This course is designed to provide students the opportunity to apply the classroom theory to practical, work-related applications to provide students a general exposure to various aspects of the construction industry. Students are expected to seek and complete the required 150 internship hours with general contractors, subcontractors, architectural and engineering firms, project owners or material suppliers in order for the work experience to be considered as qualified learning experience. Seminars may be a component of this course. Students may earn cooperative education based on the completion of the required hours, approved work experience and satisfactory completion of assignments including, but not limited to, seminars, work portfolios and internship reports. Students shall secure an internship opportunity and/or employer sponsorship prior to seeking department approval. This course may be repeated based upon the student’s academic plan. Prerequisite: Dean and/or department approval of employer and job responsibilities prior to registration in this course, a minimum of 12 technical college credits (excluding prep courses) in Building Construction completed at Seminole State College which includes courses specifically aligned with the student’s chosen major as identified in the student’s program plan, a Seminole State cumulative GPA of at least 2.5 and an appropriate job/internship placement. Self-registration is available upon final permission granted through the Career Development Center.

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<th>Course Code</th>
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<tbody>
<tr>
<td>BCN2950</td>
<td>Travel Study in International Construction Management</td>
<td>3.00</td>
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<td><strong>Summer</strong></td>
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The importance of construction activities in a global economy will be explored through travel and exploration of historical and contemporary buildings having architectural and structural significance. Students will be exposed to international construction management techniques, ethical issues in international construction and current efforts in sustainable design and construction. Lectures and coursework are complemented by walking tours led by experienced faculty and guest industry professionals. Students must be 18 years of age on or before departure.

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<th>Course Code</th>
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<tbody>
<tr>
<td>BCN3225C</td>
<td>Soil Mechanics and Foundations</td>
<td>3.00</td>
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<td><strong>Spring</strong></td>
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This course provides an understanding of the origin, composition and structure of soils. An emphasis will be placed on the fundamental properties of soils including permeability, consolidation, shear strength and the engineering properties of soil. Types of foundations will be examined for load and bearing capacity. An introduction to methods of analysis and the interpretation of reports. Testing of soils for physical properties will be conducted as part of a lab. Lab Fee included. Prerequisites: BCN 1221, BCN 2230.

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<tbody>
<tr>
<td>BCN3565C</td>
<td>Electrical Systems in Construction</td>
<td>3.00</td>
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<td><strong>Fall, Spring</strong></td>
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This course will examine the fundamental principles of electrical sources, wiring and circuitry. An emphasis will be placed on proper placement, planning and the capacities of electrical components and systems (i.e. wiring, lighting, security, etc.) as related to the construction industry and field management of these systems. The student will further develop an understanding of current national electrical codes and requirements. A lab component is included.

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<tr>
<td>BCN3708</td>
<td>Building Specifications, Contracts and Codes</td>
<td>3.00</td>
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<td><strong>Spring, Summer</strong></td>
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Encompassing a comprehensive overview of the CSI divisions, this course will focus on local and state building codes and ADA handicap requirements. With an in-depth review of the different types of contracts, students will learn contract development, execution and delivery methods.

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<th>Course Code</th>
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<tr>
<td>BCN3724C</td>
<td>Advanced Construction Planning</td>
<td>3.00</td>
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<td><strong>Fall, Spring</strong></td>
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This is an advanced course in project planning and scheduling methodologies involving computer
simulation, scheduling software and lean construction. Students will learn lean construction concepts involved in construction planning, work structuring, supply chain management, “pull” scheduling on a multi-story commercial construction project with a goal to reduce waste in all aspects of construction. Students will lead construction planning workshops and perform formal client presentations. Prerequisite: BCN 2721 or department permission.

BCN3730  Construction Safety, Health and the Environment

Fall, Spring  3.00 Credits - 3.00 Hours

This course identifies construction safety issues, concerns, requirements and procedures associated with Occupational Safety and Health Administration (OSHA) and construction projects. Issues relating to health and the environment will be addressed. Analysis of cost, planning, administration, inspection, prevention and safety processes on the job site will be emphasized. Loss prevention and control will be discussed and the pursuit of a drug-free workplace will be stressed.

BCN4258  Building Information Modeling (BIM)

Spring  3.00 Credits - 3.00 Hours

This course explores a number of related computer graphics programs and how they can be combined to enhance construction communication and presentations. Illustration and drafting software will be introduced. 3D modeling software (Revit) is included. Prerequisite: ETD 1320C.

BCN4503  Plumbing and Fire Protection Systems

Fall, Spring  3.00 Credits - 3.00 Hours

Students will be introduced to the advanced building plumbing and fire protection systems associated with residential and commercial structures. Particular emphasis will be given to the plumbing and fire protection systems. Different types of advanced systems in each discipline will be discussed and evaluated. The student will be exposed to design processes and system selections for each building system used. Prerequisite: ETC 3270.

BCN4612C  Advanced Construction Estimating

Fall, Spring  3.00 Credits - 3.00 Hours

This advanced course covers the analysis and determination of construction costs such as indirect and overhead costs from a general contractor and/or construction manager perspective. Advanced topics presented include pre-construction services, industry project procurement processes, project delivery systems and contracts, the preparation of bid proposals and bidding strategies. An emphasis will be placed on professional ethics. Students will be responsible for the development of a detailed cost estimate and bid proposal for a commercial building construction project. A subscription to RSMeans Cost Data Student Package RSMeans Online is required for this course. Prerequisites: BCT 2770, BCN 2721 and MAC 1105 or higher level mathematics course with a grade of “C” or higher or department permission.

BCN4731C  OSHA Analysis and Design of Safety Systems

Fall  3.00 Credits - 3.00 Hours

This is an advanced course in the management of construction safety programs including an in-depth analysis of OSHA and the design of industrial safety management programs. Students will develop a safety program that provides sound implementation of OSHA and state provision. Course topics will include the design safety systems, inspection procedures, documentation, corrective measures, incentive programs, management and employee relations. Prerequisite: BCN 3730.
This course introduces the basic principles and applications of construction finance. An emphasis will be placed on the acquisition and management of construction loans, mortgages and construction accounting. Prerequisite: Any ACG, APA or FIN course.

BCN4787C  Construction Capstone Project

Spring, Summer  3.00 Credits - 3.00 Hours

In this senior capstone course, the student will use knowledge and skills developed throughout the study in the Construction program to simulate the development and management of a complete construction project. The student will be responsible for preparing a capstone project binder for a commercial construction project. The student should be able to prepare the following as part of the capstone project: a contractor’s qualification statement, a company’s financials constructability analysis, contract agreements, construction cost estimate, general conditions, project construction schedule, value engineering proposal and project construction administration documents. As part of the final grade, the student will produce a formal oral presentation to a jury committee from industry. This course should be completed at the end of the B.S. Construction program. A subscription to RSMeans Cost Data Student Package RSMeans Online is required for this course. This course must be completed with a grade of “C” or higher. Prerequisites: CONST-BS program plan and BCN 2721, BCT 2770, BCN 4612C and BCN 4753 or department permission.

BCN4946  Senior Construction Management Internship

Fall, Spring, Summer  3.00 Credits - 3.00 Hours

This advanced course is designed to provide students the opportunity to apply the construction management knowledge and skills learned in the classroom to practical, work-related applications in the construction industry. Students are expected to seek and complete the required 300 internship hours with general contractors, subcontractors, architectural and engineering firms, project owners or material suppliers. The internship experience shall be in one or more of the following areas in construction project management in order for the work experience to be considered as qualified learning experience: pre-construction services, bidding and estimating, scheduling, construction field supervision, field engineering and construction administration. Seminars may be a component of this course to enhance the learning experience. Students may earn cooperative education credits based on the completion of required hours, work experience and satisfactory completion of assignments including, but not limited to, seminars, work portfolios and internship report. Students shall secure an internship opportunity and/or employer sponsorship prior to seeking department approval. Prerequisite: Dean and/or department approval of employer and job responsibilities prior to registration in this course, a minimum of 12 technical college credits (excluding prep courses) in Building Construction completed at Seminole State College which includes courses specifically aligned with the student’s chosen major as identified in the student’s program plan, a Seminole State cumulative GPA of at least 2.5 and an appropriate job/internship placement. Self-registration is available upon final permission granted through the Career Development Center.

BCT1763  Work Place Safety and Worker's Compensation Insurance

Fall, Spring, Summer  3.00 Credits - 3.00 Hours

This introductory course provides need-to-know information for students working in the construction environment. The course identifies safety best practices adopted to reduce or prevent workplace accidents and injuries based on current Occupational Safety and Health Administration (OSHA) standards as related to the building construction industry. Other topics introduced include current worker’s compensation laws affecting the construction industry, methods available to reduce worker’s compensation premiums, identifying the direct impact of long-term injuries, minimizing risk and identifying protective clothing and equipment for safe working conditions.

BCT2731  Project Management Simulation
<table>
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<th>Course Code</th>
<th>Title</th>
<th>Dates</th>
<th>Credits - Hours</th>
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<tbody>
<tr>
<td>BCT2770</td>
<td>Estimating Fundamentals</td>
<td>Fall, Spring</td>
<td>3.00 Credits - 4.00 Hours</td>
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<td></td>
<td>An overview of estimating. Topics include the analysis and determination of costs, the classification of materials, labor and subcontracted work into the smallest manageable units and the development of a simple estimate. Lab fee required.</td>
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<tr>
<td>BCT2771C</td>
<td>Intermediate Construction Estimating</td>
<td>Spring</td>
<td>3.00 Credits - 4.00 Hours</td>
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<td>This is an intermediate-level course where the student further develops skills in construction cost estimating and the bidding process. An emphasis will be placed on advanced building elements of building construction applied on more complex project types. Students will be introduced to on-screen, take-off programs and computer-based estimating software such as Timberline. Lab fee required. Prerequisite: BCT 2770 with a grade of “C” or higher.</td>
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<tr>
<td>BCT2774C</td>
<td>Construction Estimating II - Using Timberline</td>
<td>Summer</td>
<td>3.00 Credits - 4.00 Hours</td>
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<td>Students will apply basic concepts, knowledge and skills developed in construction estimating to include labor, material take offs and cost calculations using the latest industry estimating software, Timberline. General conditions, bonds, overhead and profits will also be factored in as students prepare cost estimates for a mid-size commercial project. Lab Fee required. Prerequisite: BCT 2770 with a grade of “C” or higher.</td>
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<tr>
<td>BCT2930</td>
<td>Selected Studies in Building Construction Trades</td>
<td>Fall, Spring, Summer</td>
<td>3.00 Credits - 3.00 Hours</td>
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<td>In this course topics of current interest are presented in group instruction. Lab fee required.</td>
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<tr>
<td>* BCV0001C</td>
<td>Residential Wiring-CE</td>
<td>Fall, Spring</td>
<td>3.10 Credits - 6.00 Hours</td>
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<td></td>
<td>This continuing education course is designed for individuals currently working in the profession seeking cross disciplinary training in residential wiring. This course covers residential wiring in accordance with the National Electrical Code. Topics include computation of circuit loads, wire sizes, type(s) of switches, ground fault requirements and appliance circuits. Special circuits for heating, pools and spas, service equipment and calculations and low voltage circuits will also be introduced. Lab fee required.</td>
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<tr>
<td>* BCV0002C</td>
<td>Commercial Wiring - CE</td>
<td>Fall, Spring</td>
<td>3.10 Credits - 6.00 Hours</td>
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<td></td>
<td>This continuing education course is designed for individuals currently working in the profession seeking cross disciplinary training in commercial wiring. This course complies with the National Electrical Code requirements for commercial installations. Topics included are electrical services, circuits, conduit systems, heating and cooling systems, overcurrent protection, emergency systems and panelboard selections. Lab required.</td>
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<tr>
<td>* BCV0004</td>
<td>Construction Science and Math Skills</td>
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</tbody>
</table>
Fall 2.50 Credits - 75.00 Hours

This course introduces basic construction science and mathematics skills for individuals in facilities maintenance. Emerging technologies as they apply to the construction industry in terms of materials and processes will be highlighted. Other areas of study include the proper handling of hazardous materials to avoid potential health-related illnesses that result from exposure to chemicals and hazardous materials. Students will also gain knowledge in basic construction mathematics skills as they apply to measurements, the calculation of work hours and labor costs.

* BCV0011C Construction Safety Skills

Fall 2.50 Credits - 75.00 Hours

This course encompasses construction safety skills. Areas of study include Occupational Safety and Health Administration (OSHA) rules and regulations, the importance of Material Safety Data Sheets (MSDS) and the use of safety equipment. Students will also gain knowledge in safe basic hand and power tool use as well as the various components, materials and hardware used in residential, commercial and industrial applications. Students will be introduced to disaster and emergency response plans and how to create plans for workplace accidents. Lab fee required.

* BCV0129C Basic Carpentry Skills

Fall 2.50 Credits - 75.00 Hours

This course introduces basic carpentry skills for the various building systems such as roof, wall and ceiling framing and the use of proper building materials. Students will also gain knowledge in rough and finish carpentry skills. An emphasis will be placed on the safe use of hand and power tools. Areas of study include interpretation of plans and scaled drawings, the calculation of materials and the importance of thermal and moisture protection in the built environment. Lab fee required.

* BCV0188C Introduction to Drywall and Painting

Fall 2.00 Credits - 75.00 Hours

This course introduces basic drywall and painting skills and techniques. Students will gain hands-on experience installing, finishing and preparing drywall for the application of finishes. Other topics covered in the course include identifying the various tools and equipment and the types of products available in today's marketplace, including primers, paints and stains. Installation of wall coverings and specialty texture techniques will also be presented. Lab fee required.

* BCV0331C Introduction to Masonry

Spring 2.50 Credits - 75.00 Hours

This introductory course provides an overview of the trade and fundamental masonry skills. Through hands-on learning activities, students will acquire skills in mixing various types of mortar, properly laying out square corners, striking mortar joints and installation techniques. Other topics covered in the course include the identity of masonry equipment, hand and power tools of the trade, masonry ratios, determining masonry strengths and appropriate applications. Lab fee required.

* BCV0441C Principles of Heating, Air Conditioning Systems

Spring 2.50 Credits - 75.00 Hours

This introductory course provides an overview of heating, ventilation, air conditioning and refrigeration (HVACR) systems in residential and commercial settings. Students will gain knowledge of heating and cooling principles, calculate heating and cooling loads, determine the appropriate refrigerant level and repair/ troubleshoot techniques. Emerging technologies in the HVACR industry such as computer monitoring control systems and air quality management will be introduced. Lab fee required.
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<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Schedule</th>
<th>Credits</th>
<th>Hours</th>
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<tbody>
<tr>
<td>BCV0501C</td>
<td>Plumbing Concepts</td>
<td>Fall, Spring, Summer</td>
<td>3.00 Credits</td>
<td>90.00 Hours</td>
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<td>This course encompasses classroom and lab study of</td>
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<td></td>
<td>the fundamentals of the plumbing trade. Areas of</td>
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<td>study include the history of plumbing, safe working</td>
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<td>practices, plumbing tools and the introduction to</td>
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<td>plumbing math and plumbing drawings. Students will</td>
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<td>gain knowledge in plastic pipe, copper pipe, cast-iron</td>
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<td>pipe and carbon steel pipe, their related fittings as</td>
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<td>well as an introduction to drain, waste and vent (DWV) and</td>
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<td>water distribution systems.</td>
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<tr>
<td>BCV0511C</td>
<td>Plumbing Service Practices</td>
<td>Fall, Spring, Summer</td>
<td>3.00 Credits</td>
<td>90.00 Hours</td>
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<td>This course encompasses classroom and lab study of</td>
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<td>basic skills used in service practices of the plumbing</td>
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<td>industry. Areas of study include plumbing math</td>
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<td>knowledge and skills, information on the plumbing trade</td>
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<td>industries’ job opportunities and trends as well as</td>
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<td>language arts knowledge and skills. Students will</td>
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<td>gain knowledge in the importance of health, safety</td>
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<td>and environmental management systems in the trade</td>
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<td>and their importance as well as knowledge in interpreting blueprints, fire-stopping and the installation and testing of drain, waste and vent (DWV) piping. Prerequisite: BCV 0501C.</td>
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<tr>
<td>BCV0513L</td>
<td>Basic Plumbing Skills</td>
<td>Spring</td>
<td>2.50 Credits</td>
<td>75.00 Hours</td>
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<td>This introductory course provides an understanding of basic plumbing components and systems. In a lab setting, the course integrates hands-on experience working with various pipes, fittings, connectors and fixtures commonly used in the plumbing trade. Students will also gain knowledge in the installation of bathroom and kitchen fixtures and hardware. The testing and inspecting of plumbing systems will also be introduced. Lab fee required.</td>
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<tr>
<td>BCV0521C</td>
<td>Plumbing Advanced Service Practices</td>
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<td>Fall, Spring, Summer</td>
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<td>3.00 Credits</td>
<td>90.00 Hours</td>
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<td>This course encompasses the competencies essential to the plumbing trade. Areas of study include personal money management skills, oral and written communication skills, employability skills, professional ethics, techniques for the sizing of water supply piping and potable water treatment systems. Students will gain knowledge in more extensive applied math in the plumbing trade, the installation of backflow preventers, the different types of venting used in drain, waste and vent (DWV) systems and basic building codes in the plumbing industry. Prerequisite: BCV 0521C.</td>
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<tr>
<td>BCV0551C</td>
<td>Introduction to Fire Sprinkler Systems</td>
<td>Summer</td>
<td>2.00 Credits</td>
<td>60.00 Hours</td>
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<td>This course provides an overview of fire sprinkler suppression systems within the built environment. Students will become familiar with the various types of sprinklers used in the industry, the purpose, function and operation of components in wet sprinkler systems. Procedures for testing, maintenance and troubleshooting techniques will also be introduced. Students will gain knowledge in laws and building codes/regulations applicable to the fire sprinkler industry. Lab fee required.</td>
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<tr>
<td>BCV0574C</td>
<td>Plumbing Systems</td>
<td>Fall, Spring, Summer</td>
<td>3.00 Credits</td>
<td>90.00 Hours</td>
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<td>This course encompasses classroom and lab study of advanced skills used in service practices of the plumbing industry. Areas of study include plumbing-related science knowledge and skills, information technology tools used in the plumbing industry, roof, floor and area drains, installing and testing water supply piping and the installation of fixtures, valves and faucets. Students gain an introduction to electricity, the installation of water heaters, fuel gas systems and the servicing of fixtures, valves and faucets. Prerequisite: BCV 0511C.</td>
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* BCV0600C Basic Electrical Skills

**Summer** 4.00 Credits - 120.00 Hours

This introductory course provides an understanding of basic electrical theory and skills necessary for residential and commercial maintenance and repairs. An emphasis will be placed on safety practices and procedures when working with electrical systems. In a lab setting, students will gain hands-on experience working with wiring, circuitry and troubleshooting electrical systems. Other topics include how to design and calculate electrical loads, identification of types of wiring raceways, components of electrical systems and the testing/inspection of electrical systems. Lab fee required.

* BCV0604C Electrician Helper

**Fall** 10.00 Credits - 300.00 Hours

In this introductory course, students will be introduced to the electrical industry and the career paths available. Electrical trade jobsite safety, CPR and first aid will be emphasized. Students will be exposed to state and federal regulations as well as gain a basic understanding of the National Electrical Code (NEC). Other topics presented include identification of tools used in the electrical trade, blueprint reading as related to electrical construction drawings and basic mathematics as it applies to the electrical industry. Students will gain an understanding of the basic principles of electricity and Direct-Current (DC) electrical theory. This course content will be delivered in a combination of online learning and hands-on lab environment. Lab fee required.

* BCV0641C Residential Electricity I

**Fall** 5.00 Credits - 150.00 Hours

This course will focus on Alternating-Current (AC) theory and applications. Students will gain an understanding of the physical and electrical characteristics of capacitors and inductors, identification of the properties as related to an AC signal and principles of transformers to AC circuits. Students will further develop mathematical skills.

Entrepreneurship skills, types of certifications and industry credentialing requirements for the residential electrical industry will be discussed. This course content will be delivered in a combination of online learning and hands-on lab environment. Lab fee required. Prerequisite: BCV 0604C.

* BCV0642C Residential Electricity II

**Spring** 10.00 Credits - 300.00 Hours

This course is a continuation of residential electricity fundamentals. Students will be introduced to residential feeder circuits and residential wiring in accordance with the National Electrical Code (NEC). Topics explored include circuit loads, wire sizes, types of switches, ground fault requirements and appliance circuits. Special circuits for heating, pools/spas, service equipment and low-voltage circuits will also be discussed. Students will also develop troubleshooting skills for residential electric circuits. Calculations of wiring costs, drawing industrial electrical-wiring plans and skills on how to test insulation and balance a load will be developed. This course content will be delivered in a combination of online learning and hands-on lab environment. Lab fee required. Prerequisite: BCV 0641C.

* BCV0643 Residential Wiring

**Fall, Spring** 3.10 Credits - 93.00 Hours

This course covers residential wiring in accordance with the National Electrical Code, including computation of circuit loads, wire sizes, types of switches, ground fault requirements and appliance circuits. Special circuits for heating, pools and spas, service equipment and calculations and low voltage circuits will also be covered. Prerequisite: BCA 0002.

* BCV0650 Commercial Wiring

**Fall, Spring** 3.10 Credits - 93.00 Hours

This course complies with the National Electrical Code requirements for commercial installations. It covers electrical services, circuits, conduit systems, heating
and cooling systems, overcurrent protection, emergency systems and panel board selections. Prerequisites: BCA 0002 and EER 0002 and BCV 0643.

* BCV0653C Commercial Electricity I

Spring 5.00 Credits - 150.00 Hours

This course introduces the student to commercial electricity and wiring. Students will be able to distinguish the differences between residential and commercial electrical circuit requirements. Areas of study include commercial wiring branch circuit and box fill and conduit fill calculations. Conduit bending will be introduced. This course content will be delivered in a combination of online learning and hands-on lab environment. Lab fee required. Prerequisite: BCV 0642C.

* BCV0654C Commercial Electricity II

Summer 10.00 Credits - 300.00 Hours

This course is a continuation of commercial electricity as it relates to commercial service calculations and system design. Topics presented include commercial feeder circuits, the installation (according to plan specifications) of conduit, duct and raceway systems and conductors in a conduit in compliance with the appropriate electrical codes. Students will be introduced to specialized electrical skills such as solid-state control devices and data cable installations. This course content will be delivered in a combination of online learning and hands-on lab environment. Lab fee required. Prerequisite: BCV 0653C.

* BCV0664 Industrial Wiring

Fall, Spring 3.10 Credits - 93.00 Hours

This course will apply electrical codes, computation for circuits and system protections pertaining to industrial buildings and installations. It will also review for the electrical journeyman’s license test. Prerequisites: BCA 0002 and EER 0002 and BCV 0643 and BCV 0650 and EER 0212.

* BCV0680L Electrical OJT

Fall, Spring 22.67 Credits - 680.00 Hours

This application-based course encompasses actual on-the-job training performance and proficiency of all electrical trade skills. This course may be repeated up to eight times.

* BCV0910C Project Management Skills

Spring 2.50 Credits - 75.00 Hours

This course provides an overview of project management and the necessary skills to deliver projects on time and within budget. Students will gain an understanding of why project management is important and the pre-planning, processes and procedural steps involved in project management. Emphasis will be placed on the laws that are applicable in the construction industry as well as construction contracts, documents, specifications, the permitting process and building codes/regulations related to the construction process. Other areas of study include the various roles and responsibilities of stakeholders on a project such as general contractor, engineer and architect/designer. Emerging technologies in sustainability or green design continue to impact the operation and maintenance of facilities. Students will be introduced to sustainable materials, sustainable practices and processes and renewable fuels and energy as they relate to the built environment. Lab fee required.

* BCV0942C Building Maintenance Capstone

Summer 4.00 Credits - 120.00 Hours

The certificate program culminates in this capstone course. Students will demonstrate mastery of theory and skills acquired throughout the program on a comprehensive team project. In addition, students will gain knowledge of the various careers in the construction and related industries and develop employability skills such as resume’ writing and interview skills. The course also explores entrepreneurship opportunities with an emphasis on
business skills and available resources. Lab fee required.

BOT2432  Applied Mycology

Spring  3.00 Credits - 3.00 Hours

This course is intended to familiarize students with the basic biology of yeast and fungi that are of medical importance. A survey of common mycotic infections and mycotoxicosis is presented. It includes basic hands-on laboratory exercises involving the microscopic examination of samples and isolates, collecting samples for culturing yeast and fungi, preparation, inoculation and incubation of media, identification of yeast and fungal morphotypes (both microscopic and on culture media) using dichotomous or pictographic schemes, field studies and laboratory experimentation. Prerequisite: Eligibility to enroll in ENC 1101 OR test scores that indicate ENC 1101 eligibility OR completion of appropriate college developmental courses for ENC 1101 with grades of “C” or higher OR completion of EAP coursework for ENC 1101 eligibility with grades of “C” or higher.

BSC1005  Concepts of Biology

Fall, Spring, Summer  3.00 Credits - 3.00 Hours

This course is a study of the characteristics of living organisms. Unifying concepts such as metabolism, genetics, evolution and cellular organization will be investigated. Designed for non-science majors, this course does not fulfill the credit requirements for biology majors (see BSC 1010C). This class satisfies the General Education State Core Science requirement for AA degree seeking students. Prerequisite: Eligibility to enroll in ENC 1101 OR test scores that indicate ENC 1101 eligibility OR completion of appropriate college developmental courses for ENC 1101 with grades of “C” or higher OR completion of EAP coursework for ENC 1101 eligibility with grades of “C” or higher.

BSC1005C  Concepts of Biology

Fall, Spring, Summer  4.00 Credits - 5.00 Hours

This course is a study of the characteristics of living organisms with emphasis on man. Unifying concepts such as metabolism, energy utilization and reproduction will be investigated. Laboratory exercises will emphasize basic principles of biology. Designed for non-science majors, this course does not fulfill the credit requirements for biology majors. Lab fee required. This class satisfies the General Education State Core Science requirement for AA degree seeking students. Prerequisite: Eligibility to enroll in ENC 1101 OR test scores that indicate ENC 1101 eligibility OR completion of appropriate college developmental courses for ENC 1101 with grades of “C” or higher OR completion of EAP coursework for ENC 1101 eligibility with grades of “C” or higher.

BSC1020  Human Biology

Fall, Spring, Summer  3.00 Credits - 3.00 Hours

This course provides an introduction to scientific inquiry in relationship to the human body, its systems and basic functions with emphasis on homeostatic mechanisms. The structure and function of cells, tissues and organ systems will be investigated. Designed for non-science majors. This course does not fulfill the credit requirements for Biology majors. Prerequisite: Eligibility to enroll in ENC 1101 OR test scores that indicate ENC 1101 eligibility OR completion of appropriate college developmental courses for ENC 1101 with grades of “C” or higher OR completion of EAP coursework for ENC 1101 eligibility with grades of “C” or higher.

BSC1050  Biology and Environment

Fall, Spring, Summer  3.00 Credits - 3.00 Hours

This course is a study of interactions between living things and their biotic and abiotic environments with emphasis on the influence of humankind on natural systems and built environments. Designed for non-science majors, this course does not fulfill the credit requirements for biology majors. Prerequisite: Eligibility to enroll in ENC 1101 OR test scores that indicate ENC 1101 eligibility OR completion of
appropriate college developmental courses for ENC 1101 with grades of “C” or higher OR completion of EAP coursework for ENC 1101 eligibility with grades of “C” or higher.

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**BSC1050H  Honors Biology and Environment**

**Spring**  3.00 Credits - 3.00 Hours

This course is a study of plant and animal interactions in their natural environment and the influence of man on these natural systems. Active learning components may include outdoor activities and/or field trips. Designed for non-majors. Honors level content. Permission of the Honors director is required. Prerequisites: Eligibility to enroll in ENC 1101 OR test scores that indicate ENC 1101 eligibility OR completion of appropriate college developmental courses for ENC 1101 with grades of “C” or higher OR completion of EAP coursework for ENC 1101 eligibility with grades of “C” or higher and permission of Honors director or acceptance into Honors program.

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**BSC1076  Get Ready for Anatomy and Physiology**

**Fall, Spring**  1.00 Credit - 1.00 Hour

This course is a primer to prepare students to succeed in a biology or anatomy and physiology courses. The course focuses on developing and improving study skills and emphasizes personal accountability. Course content includes a review of basic math, biology, chemistry and cells and introduces anatomical terminology and body basics. This course cannot be used as a substitute for BSC 1010C.

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**BSC2004  Parasitology and Human Disease**

**Fall**  3.00 Credits - 3.00 Hours

Students will be introduced to the most common lifestyle on earth: parasitism! This course will be a broad survey of parasites of humans, domestic and wild animals. Major topics will include ecological and evolutionary aspects of parasite-host interactions with an emphasis on life cycles, anatomy and physiology of parasites and immunological, pathological and clinical responses of hosts to parasitic infection. The treatment and control of parasites will also be discussed. Prerequisite: Eligibility to enroll in ENC 1101 OR test scores that indicate ENC 1101 eligibility OR completion of appropriate college developmental courses for ENC 1101 with grades of “C” or higher OR completion of EAP coursework for ENC 1101 eligibility with grades of “C” or higher.

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**BSC2010C  General Biology I**

**Fall, Spring, Summer**  4.00 Credits - 6.00 Hours

This course is primarily for science majors or students with a strong biology background. It is a study of the molecular and cellular composition and function of living organisms. Emphasis will be given to structure, chemical metabolism and genetic mechanisms. Laboratory illustrates basic biological principles. Lab fee required. This class satisfies the General Education State Core Science requirement for AA degree seeking students. Prerequisite or corequisite: MAT 1033 or MAT 1100 or higher level mathematics course. Eligibility to enroll in ENC 1101 OR test scores that indicate ENC 1101 eligibility OR completion of appropriate college developmental courses for ENC 1101 with grades of “C” or higher OR completion of EAP coursework for ENC 1101 eligibility with grades of “C” or higher.

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**BSC2011C  General Biology II**

**Fall, Spring, Summer**  4.00 Credits - 6.00 Hours

A continuation of General Biology I, this course is designed for science majors or students requiring a full year of biology. Emphasis will be given to evolutionary relationships of living organisms. Structure, form and function of both plants and animals will be studied and ecological principles summarized. Required laboratory will correlate with lecture topics. Lab fee required. Prerequisite: BSC 2010C.

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**BSC2093C  Anatomy and Physiology I**

**Fall, Spring, Summer**  4.00 Credits - 6.00 Hours

Catalog Year 2017-18  Page 370  Generated on 12/14/2017
This is the first part of a two-semester course that investigates in detail the structure and function of humans. The course is primarily designed for students of healthcare professions, biology or physical education. We will utilize a "system" approach, examining each organ system at the cellular, tissue, organ and system levels and discuss interactions with other systems. Emphasis will be placed on the homeostatic rather than the dysfunctional individual. Lab fee required. Prerequisite: BSC 2010C with a grade of "C" or higher.

BSC2094C  Anatomy and Physiology II

Fall, Spring, Summer  4.00 Credits - 6.00 Hours

This course is the second part of a two-semester course that investigates the structure and function of humans. The course is designed for students of healthcare professions, biology or physical education. We utilize a “systems” approach, examining each organ system at the cellular, tissue, organ and system levels and discuss interactions with other systems. Emphasis will be placed on homeostatic rather than dysfunctional individuals. Lab fee required. Prerequisites: BSC 2010C and BSC 2093C with a grade of “C” or higher.

BSC2420C  Principles of Biotechnology I

Fall, Spring  4.00 Credits - 6.00 Hours

This course is designed for science or non-science majors interested in biotechnology. The course addresses both theory and biotechnology laboratory techniques/applications. The impact of biotechnology on society will also be explored. Lab fee required.

BSC2901  Directed Studies in Biology

Offered as Needed  1.00 Credit - 1.00 Hour

This course is scheduled for individual students who wish to explore topics not covered in the curriculum. The student must present a design of the study (learning contract) to the faculty member who is to direct the work. Approval from the dean or director is required prior to registration.

BSC2905  Directed Studies in Biology

Offered as Needed  3.00 Credits - 3.00 Hours

This course is scheduled for individual students who wish to explore topics not covered in the curriculum. The student must present a design of the study (learning contract) to the faculty member who is to direct the work. Approval from the dean or director is required prior to registration.

BSC2930C  Selected Studies in Biology

Offered as Needed  3.00 Credits - 3.00 Hours

In this course, topics of current interest are presented in group instruction.

BSC2934C  Selected Studies in Biology

Fall  4.00 Credits - 6.00 Hours

In this course, topics of current interest are presented in group instruction. Prerequisite or corequisite: ENC 1101.

BSC2941  Cooperative Education Internship in Biology

Offered as Needed  1.00 Credit - 1.00 Hour

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn cooperative education credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student’s academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at
Seminole State College which includes course(s) specifically aligned with the student’s chosen major as identified in the student’s program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

BSC2942  Cooperative Education Internship in Biology
Offered as Needed  2.00 Credits - 2.00 Hours

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn cooperative education credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student’s academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student’s chosen major as identified in the student’s program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

BSC2949  Cooperative Education Internship in Biology
Offered as Needed  3.00 Credits - 3.00 Hours

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn cooperative education credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student’s academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student’s chosen major as identified in the student’s program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

BSC2950  Travel Study in Biology
Offered as Needed  3.00 Credits - 3.00 Hours

This is a travel/study course combining preparation on campus, travel and study in the discipline of biology. Content is variable depending on the program in which the student enrolls and the specific topics to be covered. Students must be 18 years of age on or before departure. Department consent is required for registration.

BSC3057  Introduction to Environmental Studies
Fall, Spring, Summer  3.00 Credits - 3.00 Hours

This course covers a broad range of environmental issues that provide a foundation for the understanding of the interactions between human behavior, technology and the natural environment. Course content provides an introduction to issues of biodiversity, appreciation of human impact, principles of sustainability, biotechnology, resource conservation, legal and policy issues and ethics. Prerequisites: BSC 1005 or higher and CHM 1020 or higher and PHY 1053C or higher.

BUL2240  Legal Issues for Small Businesses
Fall, Spring, Summer  3.00 Credits - 3.00 Hours

This course focuses on the application of business law for the small business owner. Upon successful completion of the course, the student should be able to identify the various forms of business ownership and the legal and tax implications of each. Students will have an understanding of the laws covering issues such as personnel, contracts and the protection of intellectual property. The student will be able to understand and explain how to comply with the
reporting requirements for local, state and federal entities. Prerequisite: GEB 1011.

BUL2241  Business Law I

Fall, Spring  3.00 Credits - 3.00 Hours

This course is a study of law as it relates to the sources of law, courts and court procedures, torts, crimes and contracts.

BUL2241H  Honors Business Law I

Fall, Spring  3.00 Credits - 3.00 Hours

This course is a study of law as it relates to the sources of law, courts and procedures, torts, crimes and contracts. Prerequisite: Acceptance into Honors program.

BUL2242  Business Law II

Spring  3.00 Credits - 3.00 Hours

This course is a study of law as it pertains to agency, partnerships, corporations, real and personal property, wills and estates, insurance and negotiable instruments. Prerequisite: BUL 2241.

BUL3130  Legal and Ethical Environments of Business

Fall, Spring, Summer  3.00 Credits - 3.00 Hours

This course involves an analysis of the law as a dynamic, social and political institution in the business environment including contract law, torts and ethical consideration.

BUL3130H  Honors Legal and Ethical Environment of Business

Fall, Spring  3.00 Credits - 3.00 Hours

This course involves an analysis of the law as a dynamic, social and political institution in the business environment including contract law, torts and ethical consideration. Prerequisites: Acceptance into the Honors program and cumulative G.P.A. of 3.5 or higher.

CAP1760  Introduction to Data Analytics

Fall, Spring  3.00 Credits - 3.00 Hours

This course is designed for students who require or are interested in basic aspects of data mining and analytics using domain-specific data. Students learn the computerized techniques by which to organize, manipulate, report, present, depict and analyze domain-specific data in order to find or otherwise derive information. Prerequisite: CGS 2545C.

CAP2023  Game Programming I

Fall, Spring  3.00 Credits - 3.00 Hours

This course will provide basic knowledge of the various aspects of the game industry. Topics covered include types of game development careers, game development and design processes, marketing themes, copyright laws, game company structures, various types of programming languages used by different types of games and the impact of video games on modern society. Students will learn general programming concepts and common game development environments. Lab fee required. Prerequisite: COP 1000 with a grade of “C” or higher.

CBH1021H  Comparative Psychology & Animal Behavior

Fall, Spring, Summer  3.00 Credits - 3.00 Hours

This is an introduction to the basic principles of associative learning. The primary focus of the course is on how organisms learn about their relationships that occur in the environment. This will be achieved through studying the phenomena of classical and operant conditioning in animals and humans. Specific techniques for understanding behavior are presented. Prerequisites: PSY 2012 and acceptance into the Honors program or permission from instructor.
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<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>CCJ1000</td>
<td>Introduction to Private Security</td>
<td>3.00</td>
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<tr>
<td>Fall</td>
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<td>This course will provide a basic understanding of the security role in society. This course will present a global view of security along with the practical application of security principles. Students will be exposed to physical security, personnel security and risk assessments as well as industrial security, institutional security and homeland security. Students will also be introduced to security management planning and administration.</td>
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<tr>
<td>CCJ1010</td>
<td>Introduction to Criminology</td>
<td>3.00</td>
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<td>Fall, Summer</td>
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<td>This course consists of a survey of delinquent and criminal behavior patterns, including causation. Specific problems and selected case studies are examined.</td>
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<tr>
<td>CCJ1020</td>
<td>Introduction to Criminal Justice</td>
<td>3.00</td>
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<td>This course consists of the history, examination and evaluation of the courts, the police and the correctional organizations of the criminal justice system in the United States today. Contemporary problems and possible solutions are also considered.</td>
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<tr>
<td>CCJ1512</td>
<td>Gangs and Terrorism</td>
<td>3.00</td>
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<td>This course introduces the student to the interrelationships of gangs, drug traffickers, conspiracy and terrorism. This course is designed to provide the student with the knowledge of legal elements of a criminal conspiracy to include terrorism operations, drug interdiction and gang organizations.</td>
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<tr>
<td>CCJ1629</td>
<td>Introduction to Homicide</td>
<td>3.00</td>
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<tr>
<td>CCJ2053</td>
<td>Criminal Justice Ethics</td>
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<td>This course provides the basic philosophical principles necessary to analyze ethical dilemmas within the criminal justice world. This course also offers an approach that deals with real life examples of misconduct, the effects of misconduct, research on criminal justice ethics and the various policy issues in criminal justice. This course will also identify themes that run through the entire criminal justice system, for example, issues such as discretion and due process concerning practitioners in law enforcement, the courts and corrections. This course will also look at how the definition of justice is defined by criminal justice professionals who deal with these dilemmas on a daily basis.</td>
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<tr>
<td>CCJ2452</td>
<td>Managing a Criminal Justice</td>
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<td>Organization</td>
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<td>Fall, Spring, Summer</td>
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<td>This course will develop students to be effective managers by exposing them to concepts such as budget management, crafting program enhancements and proposals, project management, developing and maintaining agency policies, complying with federal and state labor laws and meeting expectations of accreditation bodies.</td>
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<tr>
<td>CCJ2460</td>
<td>Introduction to Criminal Justice</td>
<td>3.00</td>
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<tr>
<td>Supervision</td>
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Fall, Spring, Summer  3.00 Credits - 3.00 Hours
This course focuses on the fundamentals of criminal justice supervision such as motivation techniques, applying discipline appropriately, conducting effective and meaningful employee performance evaluations, operational planning and implementing staff schedules. The student will also be introduced to the concepts of effective leadership.

CCJ2482  The Public Face of Criminal Justice

Fall, Spring, Summer  3.00 Credits - 3.00 Hours
This course introduces the student to the basic skills needed for effective public speaking and an appreciation for an effective public message program. The student will learn how to handle crisis management and the media as well as how to utilize social networking resources to meet the demands of the communities they serve.

CCJ2509  Introduction to Gangs and Crime

Fall, Spring  3.00 Credits - 3.00 Hours
This course provides the student with an overview of street gangs, the social factors and the general classifications necessary for law enforcement, corrections and the public safety professional. This course explores the history, membership, activity, current trends and influence of street gangs. Students will be challenged to define community-based solutions and strategies to combat the criminal activity associated with street gangs.

CCJ2511  Intervention and Prosecution Techniques for Gangs

Fall, Spring  3.00 Credits - 3.00 Hours
This course provides the student with the knowledge and strategies to vigorously target, investigate, prosecute and prevent resurgence of criminal street gangs. This course provides an overview of the origins of gangs, the relationship between gang organizations and identification and investigation of criminal street gang members and organizations. The student will explore the factors and programs that can deter and impact gang membership and the prosecution of encountered criminal street gangs throughout the country.

CCJ2600  Deviant Criminal Behavior

Fall, Summer  3.00 Credits - 3.00 Hours
This course examines various types and topologies of deviant criminal acts and the underlying causes of behavior of the perpetrators who commit them. Specific offenders and their behaviors will be studied.

CCJ2618  Evil Minds - Violent Predators

Fall  3.00 Credits - 3.00 Hours
This course will provide a basic understanding of those individuals who engage in predator violence, including serial killers, mass murderers, serial rapists and stalkers. This course will discuss the ways law enforcement is dealing with these types of persons to detect, arrest and prosecute them. The course will also discuss ways in which male and female predators are similar and different. The course will also discuss which victims are selected and why a particular person becomes a victim.

CCJ2647  Organized Crime

Spring, Summer  3.00 Credits - 3.00 Hours
This course is an examination of organized crime, including structures, persons involved and their role, history and activities and the issues surrounding efforts to define and control it.

CCJ2650  Drugs, Alcohol and Crime

Fall, Spring  3.00 Credits - 3.00 Hours
This course examines substance abuse in the United States with an emphasis on social, historical and criminal implications.
CCJ2693  The Study of Sex Crimes  

Fall, Spring  3.00 Credits - 3.00 Hours  

This course provides a comprehensive overview of a wide range of sexual behaviors and sex crimes. This course will deal with crimes such as voyeurism and exhibitionism to rape, sex crimes against children and more. This course will study the unique and engaging case studies and first person accounts from the sex offenders. This course will study sex crimes, deviance and criminal behavior theory and analysis. The course will also deal with information on psychological profiling of sex offenders, the crimes they commit, the effects on their victims and attempted treatments.

CCJ2930  Selected Studies in Criminal Justice  

Spring  3.00 Credits - 3.00 Hours  

In this course, topics of current interest are presented in group instruction. This course may be taken three times for credit and depending upon the subject may have a lab fee required.

CCJ2939  Criminal Justice Capstone  

Fall, Spring, Summer  3.00 Credits - 3.00 Hours  

This capstone course is the conclusion of the student’s criminal justice academic experience and is the final course completed by students in the Criminal Justice Associate in Science (A.S.) degree program. The major focus of this course is to integrate the material acquired in the previous courses and apply knowledge to solve problems or issues relating to the criminal justice system or criminal justice agencies.

CCJ2940  Practicum  

Fall, Spring  3.00 Credits - 3.00 Hours  

This course is designed to provide the student with supervised work experience in public safety or social services institutions that deal with the prevention, intervention, suppression or prosecution of gang crime or activity. Participation in this course may be voluntary or paid at the discretion of the institution. The student must fulfill the requirements of a minimum of 60 hours on-the-job work experience. The student will be required to complete a writing assignment related to the work experience. Department consent required. Students must successfully complete an internship application process through the Sheriff’s Office. Students will be required to complete a criminal background check. Prerequisites: CCJ 1512 and CCJ 2509 and CCJ 2511 and CJC 2212 and CJE 1177 and CJE 1204 and CJE 2262.

CCJ2941  Cooperative Education Internship In Criminal Justice  

Summer  1.00 Credit - 1.00 Hour  

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn cooperative education credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student’s academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student’s chosen major as identified in the student’s program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

CCJ2942  Cooperative Education Internship in Criminal Justice  

Summer  2.00 Credits - 2.00 Hours  

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn cooperative education credits based on the
Completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student’s academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student’s chosen major as identified in the student’s program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

**CCJ2949  Cooperative Education Internship in Criminal Justice**

**Spring**  3.00 Credits - 3.00 Hours

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn cooperative education credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student’s academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student’s chosen major as identified in the student’s program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

**CDA3100  Introduction to Computer Architecture**

**Fall, Spring, Summer**  3.00 Credits - 3.00 Hours

This course provides an introduction to computer taxonomy, description languages, conventional computer architecture, microprogramming, instruction sets, I/O techniques, memory, survey of non-conventional architecture and software interfaces. Prerequisite: COT 3103.

**CEN3024  Software Development I**

**Fall**  3.00 Credits - 3.00 Hours

Software development concepts are introduced in the context of hands-on project implementation. SDLC, version control, design with UML, documentation, testing, 2 and 3-tier architecture. Prerequisite: COP 2805 or COP 3330.

**CEN4025  Software Development II**

**Spring**  3.00 Credits - 3.00 Hours

A continuation of Software Development I (CEN 3024) with larger and more complex projects. Enterprise-level applications are covered, including distributed and web-based systems using n-tier architecture. Prerequisite: CEN 3024.

**CEN4333  Advanced Database Development**

**Spring**  3.00 Credits - 3.00 Hours

Professional-level database access from object-oriented systems, including complex SQL queries and stored procedures. Use of object-relational frameworks. Hands-on exercises with current RDBMS software. Prerequisites: CEN 3024 and COP 3703.

**CEN4802  Software Integration, Configuration and Testing**

**Spring**  3.00 Credits - 3.00 Hours

This course addresses approaches and issues associated with integration of software subsystems and components into one system and ensures that the subsystems function together as a software system. Prerequisite: CEN 3024.

**CET1178C  Network Computer Maintenance and Repair (A+)**

**Fall, Spring, Summer**  3.00 Credits - 4.00 Hours
This course is an introduction to network maintenance and repair. Preventative maintenance and diagnosis of the microcomputer will be emphasized along with basic-to-advanced troubleshooting skills. Software and hardware tools will be used and evaluated in class. Preventative maintenance, upgrades, system diagnostics, configuration files, power, memory, drives, input/output (I/O), modems, communications, printing and how these topics interact in the network will be examined. Lab fee required. Prerequisite: CET 1179 or equivalent course.

CET1179  Network Concepts and Operating Systems

Fall, Spring, Summer  3.00 Credits - 4.00 Hours

This course is an introduction to computer networks and operating systems. Computer components are identified and their functions explained. Operating system functions include command execution, disk drive operations, file maintenance, directory maintenance, batch files and system configurations. Network topics include proper logging in, logging out, network security and network questions and solutions. Operating typical business software such as word processing, spreadsheets and database management of a network will be introduced. Lab fee required.

CET1526C  Introduction to UNIX (Linux+)

Fall  3.00 Credits - 3.00 Hours

This course introduces students to the UNIX Operating System. The course includes an overview of UNIX, simple commands, the VI Editor, file system, shell, communication, program development, shell programming and shell scripts. Lab fee required. Prerequisite: CET 1179.

CET1600C  Cisco Networking Fundamentals (Net+)

Fall, Spring, Summer  3.00 Credits - 4.00 Hours

This course is designed to prepare the student to apply and understand the basics of networking. The course introduces the architecture, structure, functions, components and models of the Internet and computer networks. The principles of IP addressing and fundamentals of Ethernet concepts, media and operations are introduced to provide a foundation for the curriculum. Students will be able to build simple LANs, perform basic configurations for routers and switches and implement IP addressing schemes. This is the first part of a four-part series designed to prepare students for the Cisco Certified Networking Associate (CCNA) exam. Lab fee required. Prerequisite: CET 1179 or equivalent course.

CET1610C  Cisco Router Technology

Fall, Spring, Summer  4.00 Credits - 4.00 Hours

This course is designed to prepare the student to apply and understand the basics of routing and switching. The course describes the architecture, components and operations of routers and switches in a small network. Students learn how to configure a router and a switch for basic functionality. Students will be able to configure and troubleshoot routers and switches and resolve common issues with RIPv1, RIPv2, single-area and multi-area Open Shortest Path First (OSPF), virtual LANs and inter-V. This is the second of a four-part series designed to prepare students for the Cisco Certified Networking Associate (CCNA) exam. Lab fee required. Prerequisite: CET 1600C.

CET1630C  Network Cabling

Fall, Spring, Summer  3.00 Credits - 3.00 Hours

This hands-on network wiring and cabling course is designed to provide students with the knowledge and skills necessary to become entry-level technicians in the network cabling industry. Students will develop critical skills needed to terminate, test and troubleshoot data and video networking wiring. Lab fee required.

CET1675C  Introduction to IP Telephony

Spring  4.00 Credits - 4.00 Hours
This course explains how companies are using IP Telephony equipment and software to efficiently upgrade existing telephone systems. In addition, the course will give the student a fundamental understanding of the architecture of voice communication and how signaling, call quality and public switched telephone networks operate in a LAN/WAN networking environment. The use of IP Telephony products will be discussed and how software allows companies to cost-effectively upgrade and eventually replace existing (legacy) telephone systems with more cost-effective and easy-to-use telephone equipment. Lab fee required. Prerequisite: CET 1600C or permission of instructor.

CET1854C  Introduction to Wireless Technologies
Fall, Spring, Summer  4.00 Credits - 4.00 Hours

This course is designed to provide students with a complete foundation of knowledge for entering into or advancing in the wireless networking industry. It covers basic RF theory to link budget math, including topics from troubleshooting to performing a site survey. This course delivers hands-on training that will benefit the novice as well as the experienced network professional. Lab fee required. Prerequisite: CET 1600C or CCNA certification.

CET2528C  Advanced UNIX Operating System
Offered as Needed  3.00 Credits - 3.00 Hours

Advanced features of the UNIX operating system will be covered in this course. Topics will include, but not be limited to, networking protocols, shell scripting, awk programming and system administration. Lab fee required. Prerequisite: CET 1526C.

CET2615C  Cisco Scaling Networks
Fall, Spring, Summer  4.00 Credits - 4.00 Hours

This course is designed to prepare the student to apply and understand the advanced principles and applications of networking. The course describes the architecture, components and operations of routers and switches in a large and complex network. Students learn how to configure and troubleshoot routers and switches for advanced functionality. Students will be able to configure and troubleshoot routers and switches and resolve common issues with Open Shortest Path First (OSPF), Enhanced Interior Gateway Routing Protocol (EIGRP), Spanning Tree Protocol (STP) and VLAN Trunking Protocol (VTP) in both IPv4 and IPv6 networks. Students will also develop the knowledge and skills needed to implement DHCP and DNS operations in a network. This is the third in a four-part series designed to prepare students for the Cisco Certified Networking Associate (CCNA) exam. Lab fee required. Prerequisites: CET 1600C and CET 1610C.

CET2620C  Cisco Connecting Networks
Fall, Spring, Summer  4.00 Credits - 4.00 Hours

This course is designed to prepare the student to apply and understand the advanced principles and applications of networking. The course discusses the WAN technologies and network services required by converged applications in a complex network. The course enables students to understand the selection criteria of network devices and WAN technologies to meet network requirements. Students learn how to configure and troubleshoot network devices and resolve common issues with data link protocols. Students will develop the knowledge and skills needed to implement IPSec and Virtual Private Network (VPN) operations in a complex network. This is the fourth in a four-part series designed to prepare students for the Cisco Certified Networking Associate (CCNA) exam. Lab fee required. Prerequisites: CET 1600C and CET 1610C and CET 2615C.

CET2625C  Building Scalable Cisco Networks
Spring  5.00 Credits - 6.00 Hours

The Building Scalable Cisco Networks (BSCN) course focuses on using Cisco routers connected in LANs and WANs typically found at medium-to-large network sites. Upon completion of this training course, students will be able to select and implement the appropriate Cisco IOS(tm) services required to build a scalable, routed network. BSCN is part of the
recommended training path for those students seeking the Cisco Certified Network Professional (CCNP), Cisco Certified Design Professional (CCDP) and Cisco Certified Internetwork certifications. Lab fee required. Prerequisite: CET 2620C or proof of CCNA certification validated by dean.

CET2626C  Building Cisco Remote Access Networks

Summer  5.00 Credits - 6.00 Hours

In the Building Cisco Remote Access Networks (BCRAN) course, students learn how to build, configure and troubleshoot a remote access network to interconnect central sites to branch offices and home offices. Students also learn how to access the central site, as well as to maximize bandwidth utilization over the remote links. BCRAN is part of the recommended training path for those students seeking the Cisco Certified Network Professional (CCNP), Cisco Certified Design Professional (CCDP) and Cisco Certified Internetwork certifications. Lab fee required. Prerequisite: CET 2625C.

CET2627C  Building Cisco Multilayer Switched Networks

Fall  5.00 Credits - 6.00 Hours

In the Building Cisco Multilayer Switched Networks (BCMSN) course, network administrators learn how to build campus networks using multi-layer switching technologies over high speed Ethernet. This course includes both routing and switching concepts, covering both Layer 2 and Layer 3 technologies. Students taking this course should already know how to configure routers, switches, VLANs access lists, ISL and STP. BCMSN is part of the recommended training path for those students seeking the Cisco Certified Network Professional (CCNP) and Cisco Certified Internetwork Expert (CCIE) certifications. Lab fee required. Prerequisite: CET 2625C.

CET2660C  Fundamentals of Network Security

Fall  4.00 Credits - 4.00 Hours

This course focuses on the overall security processes based on a security policy with an emphasis on hands-on skills in the areas of secure perimeter, secure connectivity, security management, identity services and intrusion detection. Upon completion of this course, students will be prepared for the following certification exams: Securing Cisco IOS Networks (SECUR), Cisco Secure PIX Firewall Advanced (CSPFA) and CompTIA Security+. Lab fee required. Prerequisite: CET 1610C or CCNA certification.

CET2682  Cisco Voice-Over IP

Offered as Needed  4.00 Credits - 4.00 Hours

This course lays the foundation for gaining hands-on skills and significant understanding of packet telephony by presenting the technologies that are common for both Enterprise and Service Provider students. The course is designed to capture the breadth of technical issues surrounding the design of Voice-Over-Data networks and explain a methodology that brings order to approaching problems. The purpose of this class is to discuss the technical issues of designing Voice-Over-Data networks. This course will teach the student a methodology for implementing Voice-Over-Data networks. Upon completion of this course, students will be prepared for the Cisco Voice-Over IP certification exam. Lab fee required. Prerequisite: CET 2620C or CET 1675C or CCNA certification.

CET2760C  Web Server Management

Fall  3.00 Credits - 3.00 Hours

This course prepares students to setup, configure and manage a Web server. The course includes examining Internet and Intranet solutions and how to access/connect to the internet. It also includes the fundamentals of installing and configuring a Web server. Lab fee required. Prerequisite: CET 1179 or COP 2830.

CET2930C  Selected Studies In Computer Engineering
Offered as Needed  5.00 Credits - 6.00 Hours

In this course, topics of current interest are presented in group instruction. This course may be taken four times for credit. Lab fee required.

CET2941  Cooperative Education Internship in Network Administration

Offered as Needed  1.00 Credit - 1.00 Hour

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn cooperative education credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student’s academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student’s chosen major as identified in the student’s program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

CET2942  Cooperative Education Internship in Network Administration

Offered as Needed  2.00 Credits - 2.00 Hours

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn cooperative education credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student’s academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student’s chosen major as identified in the student’s program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

CET2949  Cooperative Education Internship in Network Administration

Offered as Needed  3.00 Credits - 3.00 Hours

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn cooperative education credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student’s academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student’s chosen major as identified in the student’s program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

CET3505  Computer Operating Systems

Fall, Spring, Summer  3.00 Credits - 3.00 Hours

This course is a study of the fundamental concepts, structures and organization of operating systems. It includes the study of processes, threads, multitasking, concurrency and deadlocks, memory management and file management. Prerequisites: CET 1179 or equivalent and COT 3103.

CET3679  Principles of Telephony

Fall, Spring, Summer  3.00 Credits - 3.00 Hours

This is an introductory-level course in telephony technology. The telephony environment, tele-
management, telephony connectivity and services of telephony will be covered. Prerequisite: CET 1600C or equivalent.

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<td>Microcontroller Devices</td>
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<td>This course emphasizes the design and programming of microcontrollers. Students will be introduced to microcontroller architecture, use of programmable counter/timer arrays, analog interfaces, serial communications and other peripherals. Prerequisites: EET 1035C, COP 3330, COT 3103.</td>
</tr>
<tr>
<td>CGS1060C</td>
<td>Introduction to Computers</td>
<td>Fall, Spring, Summer</td>
<td>3.00 Credits - 3.00 Hours</td>
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<td>This course provides an introductory study of computer and Internet concepts and online web applications. It teaches important computer and digital technology concepts, skills and issues necessary to succeed in careers and in life. Students completing this course will have a solid understanding of computer hardware, software and network fundamentals in addition to learning effective use of social media, online office web applications, collaboration, email and the Internet to aid them with college studies and workforce readiness. This course utilizes lectures and hands-on computer exercises. No prior experience with computers is assumed. Lab fee required.</td>
</tr>
<tr>
<td>CGS1073</td>
<td>AICE A.S. Level Computing Exam</td>
<td>Offered as Needed</td>
<td>3.00 Credits - 0.00 Hours</td>
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<td>Credit for this course is awarded to entering students with appropriate scores on the Cambridge AICE A-Level Computing Exam.</td>
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<tr>
<td>CGS1075</td>
<td>Introduction to Computer Science I</td>
<td>Offered as Needed</td>
<td>3.00 Credits - 0.00 Hours</td>
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<td>Credit for this course is awarded to entering students with appropriate scores on the Advanced Placement (AP) examination in Computer Science A or Computer Science AB.</td>
</tr>
<tr>
<td>CGS1076</td>
<td>Introduction to Computer Science II</td>
<td>Offered as Needed</td>
<td>3.00 Credits - 0.00 Hours</td>
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<td>Credit for this course is awarded to entering students with appropriate scores on the Advanced Placement (AP) examination in Computer Science AB.</td>
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<tr>
<td>CGS1077</td>
<td>Information Systems</td>
<td>Offered as Needed</td>
<td>3.00 Credits - 0.00 Hours</td>
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<td>Credit for this course is awarded to entering students with appropriate scores on the College Level Examination Program (CLEP) examination in Information Systems and Computer Applications.</td>
</tr>
<tr>
<td>CGS1078</td>
<td>Computer Science IB</td>
<td>Offered as Needed</td>
<td>3.00 Credits - 0.00 Hours</td>
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<td>Three credits for this course are awarded to entering students with a score of 4 on the International Baccalaureate (IB) test in Computer Science. Six credits are awarded if student score is 5 or higher on the same examination.</td>
</tr>
<tr>
<td>CGS1944</td>
<td>Information and Technology for a Global Society IB</td>
<td>Offered as Needed</td>
<td>3.00 Credits - 0.00 Hours</td>
</tr>
</tbody>
</table>
Credit for this course is granted to students with International Baccalaureate (IB) scores of 4 on the Information and Technology for a Global Society exam.

CGS1945  Information and Technology for a Global Society IB

Offered as Needed  3.00 Credits - 0.00 Hours

Credit for this course is granted to students with International Baccalaureate (IB) scores of 5-7 on the Information and Technology for a Global Society exam.

CGS2100C  Computer Applications

Fall, Spring, Summer  3.00 Credits - 3.00 Hours

This is an introductory course in computer applications that focuses on the effective use of word processing, spreadsheet, database and presentation software programs. Students will gain a fundamental knowledge of Microsoft Office 365 and learn skills that have practical applications in real world business situations. This course utilizes lectures and hands-on computer exercises. Lab fee required.

CGS2108C  Advanced Computer Applications

Fall, Spring, Summer  3.00 Credits - 3.00 Hours

This is an advanced course in computer applications that focuses on the advanced use of word processing, spreadsheet, database and presentation software programs. Students will gain advanced knowledge of Microsoft Office 365 and have the necessary skills to solve real world business problems. This course utilizes lectures and hands-on computer exercises. Lab fee required. Prerequisite: CGS 2100C or department permission.

CGS2545C  Database Management

Fall, Spring, Summer  3.00 Credits - 3.00 Hours

This course is a study of database design and management. Topics include the relational model, Entity Relationship Diagrams (ERDs), database design and normalization, query languages, multi-user and distributed databases and data warehouses. Prerequisite: COP 1000 or CGS 2100C.

CHD2330  Early Literacy for Young Children

Spring  3.00 Credits - 3.00 Hours

This course describes how children acquire language and literacy and how teachers can design classrooms to promote oral and written language development. The course will stress planning for individual children, including children with special needs and English language learners as well as understanding the importance of the child’s family in language and literacy development. Up to 10 hours of field observation is required.

CHI1120  Elementary Chinese Language and Civilization I

Fall  4.00 Credits - 5.00 Hours

This course will initiate the student to the Chinese culture and the major language skills of listening, speaking, reading and writing.

CHI1121  Elementary Chinese Language and Civilization II

Spring  4.00 Credits - 5.00 Hours

A continuation of CHI 1120 to initiate the student to the Chinese culture and the major language skills of listening, speaking, reading and writing. Prerequisite: CHI 1120.

CHI1930  Chinese AP

Offered as Needed  3.00 Credits - 0.00 Hours

Credit for this course is awarded to entering students with appropriate scores on the Advanced Placement (AP) examination in Chinese.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Offered As</th>
<th>Credits</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHI1931</td>
<td>Chinese AP</td>
<td>Offered as Needed</td>
<td>3.00</td>
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<tr>
<td></td>
<td><strong>Offered as Needed</strong> 3.00 Credits - 0.00 Hours</td>
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<tr>
<td></td>
<td>Credit for this course is awarded to entering students with appropriate scores on the Advanced Placement (AP) examination in Chinese.</td>
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<tr>
<td>CHM1020</td>
<td>Contemporary Chemistry</td>
<td>Fall, Spring, Summer</td>
<td>3.00</td>
<td>3.00</td>
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<td></td>
<td><strong>Fall, Spring, Summer 3.00 Credits - 3.00 Hours</strong></td>
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<td></td>
<td>This is a one-semester course for the non-science major designed to meet the General Education requirement for the A.A. degree. Presumes no chemistry or mathematics background. Basic chemical principles are covered and related to larger topics that may include the chemistry of water and the atmosphere, energy sources, natural and man-made materials and environmental issues. Laboratory exercises during the lecture may be used to complement course material. Lab fee required. This class satisfies the General Education State Core Science requirement for AA degree seeking students.</td>
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<tr>
<td>CHM1020C</td>
<td>Contemporary Chemistry</td>
<td>Fall, Spring</td>
<td>4.00</td>
<td>5.00</td>
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<tr>
<td></td>
<td><strong>Fall, Spring 4.00 Credits - 5.00 Hours</strong></td>
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<td></td>
<td>This is a one-semester course for the non-science major designed to meet the General Education requirement for the A.A. degree. Presumes no chemistry or mathematics background. Basic chemical principles are covered and related to larger topics that may include the chemistry of water and the atmosphere, energy sources, natural and man-made materials and environmental issues. Laboratory experiments are chosen that support these topics. Lab fee required. This class satisfies the General Education State Core Science requirement for AA degree seeking students.</td>
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<tr>
<td>CHM1020H</td>
<td>Honors Contemporary Chemistry</td>
<td>Fall, Spring, Summer</td>
<td>3.00</td>
<td>3.00</td>
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<tr>
<td></td>
<td><strong>Fall, Spring, Summer 3.00 Credits - 3.00 Hours</strong></td>
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<tr>
<td></td>
<td>This is a one-semester course for the non-science major designed to meet the General Education requirement for the A.A. degree. Presumes no chemistry or mathematics background. Basic chemical principles are covered and related to larger topics that may include the chemistry of water and the atmosphere, energy sources, natural and man-made materials and environmental issues. Laboratory exercises during the lecture may be used to complement course material. Lab fee required. This class satisfies the General Education State Core Science requirement for AA degree seeking students. Prerequisite: Acceptance into Honors program.</td>
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<tr>
<td>CHM1032C</td>
<td>Foundations of College Chemistry</td>
<td>Fall, Spring, Summer</td>
<td>4.00</td>
<td>6.00</td>
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<tr>
<td></td>
<td><strong>Fall, Spring, Summer 4.00 Credits - 6.00 Hours</strong></td>
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<td>This is a one-semester course designed to introduce the principles of chemistry to nursing and allied health students. It assumes no prior chemistry background. The course can also be used as a preparation for CHM 2045C. Topics will span general, organic and biological chemistry and cover problem-solving, atomic and molecular structure, chemical reactions, bonding, gas laws, radioactivity, an introduction to organic chemistry, carbohydrates, acids/bases and other selected topics. Lab fee required. Prerequisite: MAT 1033 or higher level mathematics course or test scores indicating MAT 1033 proficiency.</td>
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<tr>
<td>CHM2045</td>
<td>General Chemistry I</td>
<td>Offered as Needed</td>
<td>3.00</td>
<td>3.00</td>
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<td></td>
<td><strong>Offered as Needed 3.00 Credits - 3.00 Hours</strong></td>
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<td>This course serves as the first semester of the two-semester general chemistry sequence. Topics covered include problem-solving, atomic and molecular structure, chemical formulas and nomenclature, chemical reactions, stoichiometry, thermochemistry, bonding models, gas laws, solutions and other selected topics. This class satisfies the General Education State Core Science requirement for AA degree seeking students. Prerequisites: CHM 1032C or high school chemistry and MAC 1105 (or higher level mathematics course) with a minimum grade of “C” or higher.</td>
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</table>
CHM2045C  General Chemistry I

Fall, Spring, Summer  4.00 Credits - 7.00 Hours

This course serves as the first semester of the two-semester general chemistry sequence. Topics covered include problem-solving, atomic and molecular structure, chemical formulas and nomenclature, chemical reactions, stoichiometry, thermochemistry, bonding models, gas laws, solutions and other selected topics. Laboratory experiments are chosen that support these topics. Lab fee required. This class satisfies the General Education State Core Science requirement for AA degree seeking students. Prerequisites: CHM 1032C or high school chemistry and MAC 1105 with a minimum grade of “C” or higher or higher level mathematics course or test scores indicating MAC 1105 proficiency.

CHM2045CH Honors General Chemistry

Fall, Spring  4.00 Credits - 7.00 Hours

This course serves as the first semester of the two-semester general chemistry sequence. Topics covered include problem-solving, atomic and molecular structure, chemical formulas and nomenclature, chemical reactions, stoichiometry, thermochemistry, bonding models, gas laws, solutions and other selected topics. Laboratory experiments are chosen that support these topics. Lab fee required. This class satisfies the General Education State Core Science requirement for AA degree seeking students. Prerequisites: acceptance into Honors program and CHM 1032C or high school chemistry and MAC 1105 with a minimum grade of “C” or higher or higher level mathematics course or test scores indicating MAC 1105 proficiency.

CHM2045L  General Chemistry I Lab

Offered as Needed  1.00 Credit - 1.00 Hour

An introduction to experimental chemistry, including separation techniques, qualitative and quantitative analysis techniques, stoichiometry, titrations and spectroscopic analysis. Students will become proficient in a variety of laboratory techniques and data acquisition. Students must have already completed or be taking concurrently CHM 2095. Corequisite or prerequisite: CHM 2045 or CHM 2095.

CHM2046  General Chemistry II

Offered as Needed  3.00 Credits - 3.00 Hours

This course serves as a continuation of CHM 2045. Topics covered include chemical bonding models, properties of solutions, thermodynamics, reaction kinetics, chemical equilibrium, electrochemistry and nuclear chemistry. The course stresses integration of chemical knowledge. Prerequisite: CHM 2045 or CHM 2045C with a minimum grade of “C” or higher.

CHM2046C  General Chemistry II with Qualitative Analysis

Fall, Spring, Summer  4.00 Credits - 7.00 Hours

This course serves as a continuation of CHM 2045C. Topics covered include chemical bonding models, properties of solutions, thermodynamics, reaction kinetics, chemical equilibrium, electrochemistry and nuclear chemistry. The course stresses integration of chemical knowledge. The laboratory is primarily qualitative analysis. Lab fee required. Prerequisite: CHM 2045C with a minimum grade of “C” or higher.

CHM2046CH Honors General Chemistry II with Qualitative Analysis

Fall, Spring  4.00 Credits - 7.00 Hours

This course serves as a continuation of CHM 2045C. Topics covered include chemical bonding models, properties of solutions, thermodynamics, reaction kinetics, chemical equilibrium, electrochemistry and nuclear chemistry. The course stresses integration of chemical knowledge. The laboratory is primarily qualitative analysis. Lab fee required. Prerequisites: acceptance into Honors program and CHM 2045C with a minimum grade of “C” or higher.
This course covers the basic principles of chemistry with applications of these principles to everyday phenomena. Lectures will include hands-on activities and demonstrations. Topics will vary to fit the specific needs of the teachers enrolled.

CHM2210C Organic Chemistry I

Fall, Spring, Summer 4.00 Credits - 6.00 Hours

This course provides a basic introduction to all organic functional groups and nomenclature followed by detailed treatment of the relationship between structure and reactivity of organic molecules. Other topics include stereochemistry and synthesis. Lab fee required. Prerequisite: CHM 2045C with a minimum grade of "C" or higher.

CHM2211C Organic Chemistry II

Fall, Spring, Summer 4.00 Credits - 6.00 Hours

This course provides a continuation of CHM 2210C. Topics covered include the chemistry and reactions of alcohols, ethers, sulfur compounds, aromatic compounds, aldehydes, ketones, carboxylic acids and amines. Various types of spectroscopy will be covered. Emphasis will be on reactivity, mechanisms and synthesis. Lab fee required. Prerequisite: CHM 2210C with a minimum grade of "C" or higher.

CHM2930 Selected Studies in Chemistry

Offered as Needed 3.00 Credits - 3.00 Hours

In this course topics of current interest are presented in group instruction.

CHM2941 Cooperative Education Internship in Chemistry

Offered as Needed 1.00 Credit - 1.00 Hour

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn cooperative education credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student’s academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student’s chosen major as identified in the student’s program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

CHM2949 Cooperative Education Internship in Chemistry

Offered as Needed 2.00 Credits - 2.00 Hours

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn cooperative education credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student’s academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student’s chosen major as identified in the student’s program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.
CHM3080  Environmental Chemistry

Fall, Spring, Summer  3.00 Credits - 3.00 Hours

This course covers the chemistry of the environment and includes processes in the atmosphere, hydrosphere and geosphere and their interactions. Topics include basic chemical principles, atmospheric reactions and pollutants, solution chemistry in natural environments, organic chemistry and “green” chemistry. Prerequisites: BSC 1005 or higher and CHM 1020 or higher and PHY 1053C or higher.

CIS2321  Systems Analysis and Design

Fall, Spring  3.00 Credits - 3.00 Hours

This course is a study of the fundamentals of systems analysis and how they are applied to the development of information systems for operations in the business environment. Major topics studied include methods of systems investigation, input/output design, system documentation, communication, implementation of new systems, control and security of systems, hardware selection and software development. Typical data processing applications are examined. Lab fee required. Prerequisite: Any 2000 level COP course with a grade of “C” or higher or department permission.

CIS2901C  Case Study in Business Programming

Fall, Spring  3.00 Credits - 3.00 Hours

This course is designed to provide an opportunity for the student to apply his/her knowledge and understanding of systems analysis and computer programming to an actual business-oriented computer application. The student designs and implements a complete system of programs using tools developed in previous courses. Lab fee required. Prerequisites: CIS 2321 with a grade of “C” or higher and CGS 2545C and COP 2833 or COP 2821 or COP 2805 or COP 2362.

CIS2941  Cooperative Education Internship in Data Processing

Offered as Needed  1.00 Credit - 1.00 Hour

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn cooperative education credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student’s academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student’s chosen major as identified in the student’s program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

CIS2942  Cooperative Education Internship in Data Processing

Offered as Needed  2.00 Credits - 2.00 Hours

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn cooperative education credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student’s academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student’s chosen major as identified in the student’s program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.
This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn cooperative education credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student’s academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student’s chosen major as identified in the student’s program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

CIS2949 Cooperative Education Internship in Data Processing

Offered as Needed 3.00 Credits - 3.00 Hours

This course provides an introduction and overview of security issues for organizational and institutional computing. Physical, software and computing systems security will be discussed. Students will be required to perform introductory security analyses, write code to automate some security preparedness tasks and set up a protection scheme for a simple PC computer. Prerequisite: CET 1179 or equivalent.

CIS4361 Applied Security

Fall, Spring 3.00 Credits - 3.00 Hours

This course provides topics in issues of security vulnerabilities and protection. Instruction includes hands-on laboratories to apply techniques and tools. Also included are current issues that impact personal and corporate computing. Prerequisites: CET 3505 and CIS 3360.

CIS4981 Capstone Project

Fall, Spring 3.00 Credits - 3.00 Hours

Students will develop an information systems project working in teams. The project will include analysis, design, development, testing and implementation. Teams will create and present a project proposal, design documentation, test plan and implementation plan to make the information system operational. Note: Students must complete this capstone course with a grade of “C” or higher as a graduation requirement for the IST-BS degree. Prerequisites: CIS 4361 and CNT 4504 and ISM 4314.

CIS4891H Honors Capstone Project

Fall, Spring 3.00 Credits - 3.00 Hours

Students will develop an information systems project working in teams. The project will include analysis, design, development, testing and implementation. Teams will create and present a project proposal, design documentation, test plan and implementation plan to make the information system operational. Note: Students must complete this capstone course with a grade of “C” or higher as a graduation
requirement for the IST-BS degree. Prerequisites:
Senior in good academic standing and IST-BS program
plan and CIS 4361 and CNT 4504 and ISM 4314 and
acceptance into the Honors program.

CJC1160  Community Based Corrections

Summer  3.00 Credits - 3.00 Hours

This course will explore the history, development and
implementation of community-based corrections,
specifically probation, parole and community control.

CJC1162  Introduction to Probation, Parole and
Community Corrections

Fall, Spring, Summer  3.00 Credits - 3.00 Hours

This course provides an in-depth study of the world of
probation and parole. Students will investigate the
conviction, adjudication and punishment of adults and
juveniles who have been convicted of a criminal
offense. This course will examine parole boards, the
courts and others who may authorize the early release
of offenders, subject to certain conditions. This course
will analyze why some adult and juvenile offenders are
permitted by the courts to remain free in their
communities and the requirements of community
supervision. The role and selection of probation and
parole officers will also be covered.

CJC2000  Introduction to Corrections

Fall, Spring  3.00 Credits - 3.00 Hours

This course is a study of corrections for students of
criminal justice to enable them to understand the
development and conduct of its complexity and scope
historically, traditionally, operationally and legally.

CJC2212  The Incarceration Connection

Fall, Spring  3.00 Credits - 3.00 Hours

This course provides an overview of the correctional
and detention structure and the management skills
necessary to understand the threat of criminal street
gangs. The student will gain an understanding of the
influences of gang members during incarceration and
the connection to the community.

* CJD0781  Crossover-Corrections to Law
Enforcement

Fall, Spring, Summer  1.60 Credits - 48.00 Hours

This course is part of a 286-hour program which
includes the following disciplines: Crossover to Law
Enforcement, Legal 3, Traffic, Patrol, Investigations
and Vehicle Operations. Law Enforcement Crossover
meets the Florida Department of Law Enforcement
and the Criminal Justice Standards and Training
Commission requirements (Chapter 943). Applicants
must have successfully completed a Florida
Corrections Basic Academy Program. Upon successful
completion of the Corrections Basic Academy and
Crossover training, the student becomes eligible to sit
for the Florida State Examination for certification. Lab
fee required.

* CJD0939A  Criminal Justice Equivalency of Training
- Law Enforcement

Fall, Spring, Summer  1.73 Credits - 52.00 Hours

This course is designed for out-of-state police officers
who wish to become Florida certified or for those
whose Florida certification has expired. Prior approval
from the Florida Department of Law Enforcement is
required. Entrance into this course must be approved
by the Training Center Director. This course will also
prepare the student to sit for the State Law
 Enforcement Certification Exam. Lab fee required.

* CJD0939B  Criminal Justice Equivalency of Training
- Corrections

Fall, Spring, Summer  1.40 Credits - 42.00 Hours

This course is designed for out-of-state corrections
officers who wish to become Florida certified or for
those whose Florida certification has expired. Prior
approval from the Florida Department of Law
Enforcement is required. Entrance into this course must be approved by the Training Center director. This course will also prepare the student to sit for the State Corrections Certification Exam. Lab fee required.

**CJE1000  Introduction to Law Enforcement**

**Fall, Summer  3.00 Credits - 3.00 Hours**

This course is designed to develop an understanding of the law enforcement profession. It examines the various approaches of modern law enforcement as well as a historical overview of law enforcement. It provides a description of policing and examines law enforcement as a balance of social, historical, political, legal, individual and organizational forces.

**CJE1177  Central America Gang Assessment**

**Fall, Spring  3.00 Credits - 3.00 Hours**

This course provides the student with an overview of the gang presence and criminal activity in El Salvador, Guatemala, Honduras, Nicaragua and Mexico and the rationale for the United States’ interest in understanding the gang phenomena in these countries. Students will explore the severity of the gang problems, causes and risk factors for gang activity. Students will examine the current strategic and programmatic recommendations to impact gang activity in these countries.

**CJE1204  Contemporary Topics in Gang Investigation**

**Fall, Spring, Summer  3.00 Credits - 3.00 Hours**

This course examines the unique and contemporary gang-related investigation topics, problems and issues that deserve greater exploration and analysis as the body of knowledge related to gang investigation evolves. The student will be introduced to the contemporary issues surrounding the course topics, historical perspectives, foundational philosophies and strategies and programs within the context of the course topics.

**CJE1640  Introduction to CSI**

**Fall  3.00 Credits - 3.00 Hours**

This course strives to depict the role of the forensic scientist in the criminal justice system. This course is designed for the non-scientific student. The course is a classroom introduction to the world of forensic science that includes Internet application, ability and limitations of the modern crime laboratory. Forensic science begins at the crime scene. If an investigator cannot recognize, collect and package evidence properly, no amount of equipment or expertise in the laboratory will salvage the situation.

**CJE1686  Cybercrime**

**Fall  3.00 Credits - 3.00 Hours**

This course is designed to evaluate computer crime in non-technological language while presenting all basic modern procedures needed to investigate and prosecute it. This course also covers both forensic and legal issues, addresses the First and Fourth Amendments, the U. S. Patriot Act, international collaborations, identity theft, SmartPhones, GPS navigation, Cloud computing, cyberbullying and cyberterrorism.

**CJE2160  Cultural Diversity in Public Safety**

**Fall, Spring  3.00 Credits - 3.00 Hours**

This course examines current research and theories of racial and ethnic discrimination within America’s criminal justice system. This course will include the analysis of patterns of criminal behavior and victimization, police practices, course processing and sentencing, the death penalty and correctional programs. This course will incorporate discussion of all major race groups found in the United States.

**CJE2262  Technology and Gang Intelligence Sharing**

**Fall, Spring  3.00 Credits - 3.00 Hours**
This course provides students with a working understanding of the technology available for communication, how that technology can be used by gangs and others inclined to engage in criminal activity and how that technology can be used by police, courts and corrections officers to identify criminal activity through intelligence collection, analysis and dissemination. This course explores the historical use of technology, provides a sampling of technology available in the present and looks at possibilities for improvements in the future. Students will learn to identify uses for technology, demonstrate a familiarity with available technology and engage in collaboratively designing and using technological frameworks to gather, analyze and share simulated intelligence.

CJE2400  Community Policing
Spring  3.00 Credits - 3.00 Hours
This course provides an examination of the growth of community policing by reviewing and researching traditional policy, community relations and community policing. It includes a view of social, behavioral and operational issues that are fundamental to effective policy and community relations.

CJE2540  Police Organization and Administration
Summer  3.00 Credits - 3.00 Hours
This course provides an overview of police administration and management. It examines various approaches to police organization and supervision. This course emphasizes the difference between management and leadership. Stress is placed on organization and individual values in order to accomplish common goals.

CJE2566  Domestic Violence, Date Rape and Stalking
Summer  3.00 Credits - 3.00 Hours
In this course, the student will develop a mature understanding of violence and abuse in intimate, dating and casual relationships. This understanding will be developed through an interdisciplinary perspective providing a contemporary view of the criminal justice experience with the diverse forms of violence and populations. This course will include dating violence, stalking, domestic violence and teen dating violence.

CJE2600  Criminal Investigation
Spring, Summer  3.00 Credits - 3.00 Hours
The fundamental principles, concepts and theory of investigation, interviews, interrogations, surveillance and sources of information, case preparations, problems in criminal investigation and investigative techniques of specific crimes are explored in this course.

CJJ2002  Juvenile Delinquency
Summer  3.00 Credits - 3.00 Hours
This course is designed to provide students with an understanding of the problem of juvenile delinquency. Topics include the history of juvenile delinquency and defining and measuring of juvenile delinquency in American society, theories of delinquency, the law enforcement role, juvenile court process, juvenile recidivism and the social and cultural influences involved in defining delinquency.

* CJK0001  Introduction to Law Enforcement
Fall, Spring  0.33 Credits - 10.00 Hours
This course provides an overview of the law enforcement training program and the requirements for students to become sworn officers, gives students instruction on basic criminal justice values and ethics, defines sexual harassment and ways to avoid compromising interactions with other officers and the public and emphasizes the command structure within a criminal justice agency. Students will also receive a basic understanding of the structure and components of the criminal justice system.
* CJK0006  Introduction and Law

Fall, Spring, Summer  2.23 Credits - 67.00 Hours

This course will introduce the student to the academy, graduation requirements and recruit expectations during their academy attendance. This course will enable students to understand the components of the criminal justice system and the proper use of the chain of command in an organization, to learn Constitutional Law and Florida Statutes and to understand the Police Code of Ethics.

* CJK0010  Human Issues

Fall, Spring, Summer  1.66 Credits - 50.00 Hours

This course will enhance awareness and understanding of human diversity issues and provide skills to enable new officers to interact effectively with people of diverse populations.

* CJK0011  Human Issues

Spring, Summer  1.33 Credits - 40.00 Hours

Crisis intervention is a major aspect of a law enforcement officer’s job. This course will enable the student to know the different types of crisis situations that they could encounter when responding to a call.

* CJK0012  Legal

Fall, Spring  2.06 Credits - 62.00 Hours

To act properly and effectively as law enforcement officers without infringing on individual rights, students must have an understanding of federal, state and local laws. Students will become familiar with case law and how it interprets and further explains enacted laws. This course will provide a solid legal foundation from which students may function as law enforcement officers.

* CJK0013  Interactions in a Diverse Community

Fall, Spring  1.33 Credits - 40.00 Hours

Miscommunication may create problems and potential safety issues. Miscommunication happens for different reasons, including unclear expressions, communication barriers or failure to understand the needs of the listener. This course explains the common communication traits of individuals based upon their cultures, experiences, physical and psychological conditions and how specific situations can challenge an officer’s effort to perform his or her duties. Officers who possess strong interpersonal skills can respond appropriately while circumventing potential emotional triggers during a crisis situation.

* CJK0014  Interviewing and Report Writing

Fall, Spring  1.86 Credits - 56.00 Hours

This course will enable the student to effectively develop interviewing techniques, note-taking skills and report-writing principles and mechanics. These are critical tasks that law enforcement officers must perform every day. The terms “incident report” and “report” will be used interchangeably throughout this course.

* CJK0015  Communications

Fall, Spring, Summer  2.56 Credits - 77.00 Hours

This course will identify issues affecting the officer’s ability to protect and enforce the law when dealing with criminal street gangs and extremist groups. This course will identify issues affecting the officer’s ability to protect and enforce the law when dealing with the elderly population, introduce the correct and efficient way to take field notes so that the information is complete, organized and legible, introduce how to thoroughly document the facts regarding a situation or incident in a logical order with correct grammar, spelling and accuracy of facts in a final written report. It will identify the interviewer’s responsibilities, the interview process, factors and techniques affecting the success of an interview, types of witnesses, signs of deception and the nature of admissions and confessions, introduce the basic concepts of statement-taking and provide skills to enable students
to effectively obtain a statement, enable the student to make the most efficient and effective use of FCIC capabilities and to perform law enforcement communications in an effective and professional manner. The student will know how many law enforcement lives are taken each year in the line of duty, comprehend ways to increase chances of survival, know fatal errors that have killed law enforcement officers, recognize the stress associated with working in situations that could be life-threatening and describe ways to deal with or reduce the stress. It will introduce the student to basic rules of officer safety when responding to a crisis situation and the recognition and assistance of citizens in crisis and enable the student recruit to apply the problem-solving model SECURE in a law enforcement response.

* CJK0017  Communications

Spring, Summer  2.53 Credits - 76.00 Hours

Law enforcement officers communicate daily with other officers, supervisors, victims, witnesses, suspects and their friends and relatives. This course covers telecommunications, communications and interpersonal skills, human interaction issues, interviewing ideology and report-writing principles and mechanics.

* CJK0020  Vehicle Operations

Fall, Spring, Summer  1.60 Credits - 48.00 Hours

This course will better prepare prospective officers to apply all applicable vehicle operations knowledge and techniques. Lab fee required.

* CJK0023  Introduction to Law Enforcement

Offered as Needed  0.13 Credits - 4.00 Hours

This course of instruction serves to familiarize the student with the criminal justice system and its functions, including the areas of law enforcement, corrections and the state and federal court systems.

* CJK0024  Legal Concepts

Offered as Needed  0.67 Credits - 20.00 Hours

This course of instruction serves to provide the student with a foundational understanding of America’s legal system and the various types of laws, with an emphasis on Florida criminal law.

* CJK0025  Patrol and Professional Communications

Offered as Needed  0.40 Credits - 12.00 Hours

This course of instruction serves to provide the student with the necessary skills to operate radio equipment, conduct interviews and prepare basic written reports.

* CJK0026  Interactions in a Diverse Community

Offered as Needed  0.40 Credits - 12.00 Hours

This course of instruction serves to provide the student with the necessary skills to communicate effectively and professionally when interacting with people from varying backgrounds under a variety of circumstances.

* CJK0027  Calls for Service and Arrest Procedures

Offered as Needed  0.80 Credits - 24.00 Hours

This course of instruction serves to provide the student with the necessary skills to respond to calls for service, make arrests and transport prisoners. Students will learn the skills necessary to perform building searches and search, inventory and impound vehicles.

* CJK0028  Traffic Stops and Crash Investigations

Offered as Needed  0.93 Credits - 28.00 Hours

This course of instruction serves to provide the student with the necessary skills to identify and take appropriate enforcement action for traffic violations,
to safely respond to and assist at the scene of traffic crashes.

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<th>Course Code</th>
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<tbody>
<tr>
<td>* CJK0029</td>
<td>Crime Scene and Courtroom Procedures</td>
<td>Offered as Needed</td>
<td>0.27</td>
<td>8.00</td>
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<td></td>
<td>This course of instruction serves to provide the student with the necessary skills to respond to and protect a crime scene and to deliver effective court testimony.</td>
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<tr>
<td>* CJK0031</td>
<td>First Aid for Criminal Justice Officers</td>
<td>Fall, Spring, Summer</td>
<td>1.33</td>
<td>40.00</td>
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<td>This course will better prepare prospective officers to apply all applicable First Responder knowledge and techniques to emergency situations. Lab fee required.</td>
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<tr>
<td>* CJK0040</td>
<td>Firearms</td>
<td>Fall, Spring, Summer</td>
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<td>This course is designed to give the student basic skills and knowledge needed to operate a firearm safely. Lab fee required.</td>
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<tr>
<td>* CJK0050</td>
<td>Criminal Justice Defensive Tactics</td>
<td>Fall, Spring, Summer</td>
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<td>This course will better prepare prospective officers to control subjects and defend themselves using appropriate defensive tactics in accordance with the Recommended Response in Resistance Matrix. Lab fee required.</td>
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<tr>
<td>* CJK0051</td>
<td>Criminal Justice Defensive Tactics</td>
<td>Fall, Summer</td>
<td>2.66</td>
<td>80.00</td>
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<td></td>
<td>This course provides physical skills training to basic recruits covering the use of force in controlling subjects and for self-defense. Although there is some classroom instruction, most of this course is physical training. Lab fee required.</td>
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<tr>
<td>* CJK0060</td>
<td>Patrol</td>
<td>Fall, Spring, Summer</td>
<td>1.90</td>
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<td>This course will enable the student to perform basic tasks and procedures associated with responding to commonly encountered patrol situations, including observing activity, interacting with citizens, handling traffic and escort assignments, responding to a call for service or alarm, searching grounds and/or buildings, approaching and interacting with a suspect, making an arrest, transporting and processing a prisoner as well as completing the appropriate documentation and/or reports of these activities. Lab fee required.</td>
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<tr>
<td>* CJK0062</td>
<td>Patrol II</td>
<td>Fall, Summer</td>
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<td>This course introduces the student to crowd control, criminal gangs and extremist groups, hazard identification, building searches and identifying weapons of mass destruction. Lab fee required.</td>
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<tr>
<td>* CJK0064</td>
<td>Fundamentals of Patrol</td>
<td>Fall, Spring, Summer</td>
<td>1.16</td>
<td>35.00</td>
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<td>Law enforcement officers will spend the majority of their time patrolling an assigned area. This course provides an overview of the law enforcement techniques and tactics that officers use while on patrol. The course focuses on the use of communications equipment, Community Oriented Policing, officer safety and survival skills, basic instruction on responding to calls, making arrests as well as helpful resources.</td>
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<tr>
<td>* CJK0065</td>
<td>Calls for Service and Special Risk Groups</td>
<td>Fall, Spring, Summer</td>
<td>1.20</td>
<td>36.00</td>
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</table>
Law enforcement officers will spend the majority of their time patrolling an assigned area. While patrolling, officers will respond to a variety of calls for service and will vary between non-criminal and criminal incidents. Non-criminal calls for service may range from a request for information to performing a security check of a structure. Criminal calls for service are any incidents involving an alleged violation of criminal law. This course provides an overview of the more common calls for service that an officer may encounter.

* CJK0070 Investigations

Fall, Spring, Summer 1.76 Credits - 53.00 Hours

This course will introduce the student to the process of performing an investigation. Lab fee required.

* CJK0075 Investigating Offenses

Fall, Spring, Summer 1.46 Credits - 44.00 Hours

This course introduces the student to the process of investigating specific offenses. Lab fee required.

* CJK0077 Criminal Investigations

Fall, Spring, Summer 1.66 Credits - 50.00 Hours

Of all the tasks assigned to law enforcement, none is more important than conducting an impartial investigation to bring a suspect to justice. This is the main reason officers have earned the public’s trust over years of service. The quality of an investigation will undergo scrutiny beginning with the supervisor’s review of the initial report and ending with the appeal process. Officers must conduct each investigation with attention to accuracy, detail and professionalism. Officers will establish a reputation in court and in public based upon the quality of their work. This course will identify the key elements of crimes most frequently encountered during a shift to help the officer avoid some common mistakes made in the field.

* CJK0078 Crime Scene to Courtroom

Fall, Spring, Summer 1.16 Credits - 35.00 Hours

Upon arriving at an incident or crime scene, an officer will take a sequences of steps to protect all parties, gather information, identify, separate and interview subjects and complete the initial investigation successfully. The single most significant part of the initial stage of a criminal investigation is the processing of the crime scene, identifying types of evidence that might be present at a scene based on an evaluation of the incident or crime and knowing when and how to get help in searching the scene. The first priority is to secure, protect and preserve the scene to avoid contaminating the evidence. The second priority must be to search for, identify, document, collect and maintain the physical evidence or the prosecution of the suspect may be in jeopardy.

* CJK0084 DUI Traffic Stops

Fall, Spring, Summer 0.80 Credits - 24.00 Hours

Law enforcement officers make numerous traffic stops daily. All too often, drivers are impaired by the use of alcohol or drugs, making them a hazard to themselves and other motorists. This course will train officers to detect impaired driving, administer field sobriety tests, make arrests when appropriate and record the evidence of a DUI offense.

* CJK0087 Traffic Stops

Fall, Spring, Summer 1.00 Credit - 30.00 Hours

Law enforcement officers make numerous traffic stops daily. This course prepares basic recruits for traffic stops.

* CJK0088 Traffic Crash Investigations

Fall, Spring, Summer 1.06 Credits - 32.00 Hours

Law enforcement officers conduct traffic crash investigations by following a step-by-step approach that encompasses the initial response to the scene,
scene assessment and protection, the identification and analysis of information gathered from witnesses, the thorough investigation of the crash, the evaluation of physical evidence collected, returning the crash scene to normal, taking appropriate enforcement action and documenting the crash.

* CJK0092  Critical Incidents

Fall, Spring, Summer  1.46 Credits - 44.00 Hours

Law enforcement officers must be prepared to address many situations in the course of patrolling their assigned areas. This course provides an overview of law enforcement techniques and tactics employed in confronting large scale or critical incidents.

* CJK0095  Criminal Justice Special Topics - Physical Training

Fall, Spring, Summer  0.66 Credits - 20.00 Hours

This course introduces the student to the concept of fitness for living. Each student shall have the opportunity to evaluate one’s self and engage in a planned program for fitness.

* CJK0095C  Criminal Justice Special Topics - Physical Training for Corrections or CPO

Fall, Spring, Summer  0.66 Credits - 20.00 Hours

This course introduces the student to the concept of fitness for living. Each student shall have the opportunity to evaluate one’s self and engage in a planned program for fitness. Lab fee required.

* CJK0096  Criminal Justice Physical Fitness

Spring, Summer  2.00 Credits - 60.00 Hours

This course introduces the student to the concept of fitness for living. Each student shall have the opportunity to evaluate one’s self and engage in a planned program for fitness.

* CJK0100  Criminal Justice Interpersonal Skills

Fall, Spring  2.06 Credits - 62.00 Hours

The student will learn community relations within a corrections environment, techniques and courtesy with emphasis given to assisting the inmate with rules and regulations. Intervention techniques for various situations including suicide, violence and other crises are studied. Human diversity, stress recognition and reduction are included. Lab fee required.

* CJK0101  Interpersonal Skills II

Fall, Spring  1.66 Credits - 50.00 Hours

This course will provide the student with knowledge about human adjustment to imprisonment. The criminal types and careers are studied. Special population subgroup needs and programs are explored and inmate supervision techniques are examined. Lab fee required.

* CJK0102  Correctional Operations

Spring, Summer  2.13 Credits - 64.00 Hours

In this course, students learn the operation of a correctional facility. Safety and health care for inmates, inmate control procedures, property and classifications procedures are learned along with bonding and release regulations. Inmate disciplinary functions are taught according to state rules and regulations. Accountability and bookkeeping procedures, patrol techniques and hazards to the officer are also covered. Lab fee required.

* CJK0132  Private Security Officer

Fall, Spring, Summer  1.33 Credits - 40.00 Hours

This course prepares students to meet the certification requirements for an unarmed Private Security Officer (Class “D” license).
* CJK0133  Basic Law Enforcement - Auxiliary
          Training

Fall          2.10 Credits - 63.00 Hours

This course is designed to prepare students to assist
law enforcement agencies as auxiliary police officers
functioning under the direct supervision and direction
of sworn law enforcement officers.

* CJK0134  Armed Private Security Officer

Fall          0.93 Credits - 28.00 Hours

This course prepares students for the Armed Private
Security Officer advanced certified training for the
Class "G" license and for specialized security such as
those employed by nuclear generating plants and
hospitals. Prerequisite: CJK 0132.

* CJK0200  Overview of Corrections

Fall, Spring, Summer          0.46 Credits - 14.00 Hours

This course will instruct the student on the legal,
ethical, and professional requirements of a
Correctional Officer. Instruction will include
certification requirements, inmates' rights, use of
force, and applicable state and Federal statutes.

* CJK0204  Law Enforcement Cross-Over to
          Correctional Introduction

Fall, Spring          1.96 Credits - 59.00 Hours

This course introduces the CMS law enforcement
officer to competencies needed to qualify as a
traditional corrections officer. This course covers the
criminal justice communications and interpersonal
skills necessary for a CMS law enforcement officer. This
includes interactions with youth offenders and the
mentally or physically handicapped along with crisis
intervention techniques and suicide prevention
training. It also includes the history and philosophy of
corrections, prisoner and correction officer rights and
responsibilities, ethical and professional behavior,
classification of offenses, legal terms and courtroom
procedures and the use of force, search and seizure
concepts.

* CJK0205  Law Enforcement Cross-Over to
          Correctional Responding to Incidents &
          Emergencies

Fall, Spring, Summer          0.40 Credits - 12.00 Hours

This course will instruct the student in recognizing
actual and potentially hazardous situations
encountered in a correctional setting. Students will be
instructed in the proper response procedures.

* CJK0211  Cross-Over Corrections to Law
          Enforcement Introduction

Fall, Spring, Summer          3.13 Credits - 94.00 Hours

This course includes the basic knowledge and skills for
the certified corrections officer(s) to cross over to
become law enforcement officer(s) in law,
interpersonal communications, radio communications,
note-taking, report-writing, interviewing, ethics,
professionalism, court structure, working with
communities, diverse and special populations and
information about the criminal justice system in
Florida and the Criminal Justice Standards and
Training Commission.

* CJK0212  Cross-Over Corrections to Law
          Enforcement CMS High Liability

Fall, Spring, Summer          0.26 Credits - 8.00 Hours

This course is designed for the certified corrections
officer(s) to cross over to law enforcement. This course
focuses on high liability areas containing the following
law enforcement course material: CJK 0031 prepares
prospective officers to apply basic first aid knowledge
and techniques to emergencies. CJK 0040 includes
firearms safety. Lab fee required.

* CJK0213  Cross-Over Corrections to Law
          Enforcement CMS Tactical Applications
Fall, Spring, Summer 1.33 Credits - 40.00 Hours

This course includes the basic knowledge and skills for certified corrections officers to cross over to become law enforcement officers in tactical applications. Module 11 includes information about the Florida court system structure and how courts relate to law enforcement, rules of the court and pre-trial, trial and post-trial.

* CJK0221 Correctional Cross-Over to Law Enforcement Introduction and Legal

Spring 1.56 Credits - 47.00 Hours

This course includes the basic knowledge and skills for certified corrections officer(s) in law, criminal justice values and ethics, sexual harassment, constitutional law, classification of offenses, search and seizure, standards of legal justification, laws of arrest, laws of interrogation, criminal intent, level of criminal involvement, drafting probable cause affidavits, use of force, legal considerations in juvenile law and information about the criminal justice system in Florida and the Criminal Justice Standards and Training Commission.

* CJK0222 Correctional Cross-Over to Law Enforcement Communication

Spring 1.86 Credits - 56.00 Hours

Law enforcement officers communicate daily with other law enforcement personnel, victims, witnesses, suspects, friends and relatives. This course will cover gathering information, correctly identifying their audience, conducting a basic interview, root causes of miscommunication, the organization of information chronologically, the organization of information categorically, information documentation, taking a statement, report classifying, using grammar correctly in writing reports and completing the arrest/probable cause affidavit.

* CJK0223 Correctional Cross-Over to Law Enforcement Human Issues

Spring 1.06 Credits - 32.00 Hours

Law enforcement officers respond to many calls involving suicidal, disabled, elderly, juveniles and those who are abusing legal/illegal substances. This course will enable the student to respond to the crisis call of the suicidal person, assess the risk of suicide and provide the most appropriate intervention to calm the situation. The student will learn to recognize the signs and symptoms specific to the disability and provide the proper intervention. The student will also assess the juvenile behavioral characteristics and provide the most appropriate intervention. The student will recognize the call involving substance abuse and with officer safety in mind, identify the substance and paraphernalia on scene and provide the most appropriate intervention.

* CJK0240 Law Enforcement Auxiliary Introduction

Offered as Needed 0.90 Credits - 27.00 Hours

This is an introductory course in police auxiliary training and will give the student a general understanding of the various aspects of the duties of the law enforcement officer.

* CJK0241 Law Enforcement Auxiliary Patrol and Traffic

Offered as Needed 0.63 Credits - 19.00 Hours

This course addresses the skills and techniques that are needed by auxiliary officers to do patrol tactics and respond to various types of calls. This course also introduces methods of approach to various high-risk situations and hazards and techniques involving traffic-related incidents.

* CJK0242 Law Enforcement Auxiliary Investigations

Offered as Needed 0.56 Credits - 17.00 Hours

This course introduces the student to the methods and techniques of crime scene and criminal investigations.
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<tr>
<td>*CJK0270</td>
<td>Criminal Justice Legal I</td>
<td>Spring, Summer</td>
<td>1.53</td>
<td>46.00</td>
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<td>This course is an introduction overview of the</td>
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<td>criminal justice system. The student learns the</td>
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<td>history of corrections, the foundation and basic</td>
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<td>components of the legal system as well as court</td>
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<td>and trial procedures. Professional behavior,</td>
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<td>ethics and the primary responsibilities of the</td>
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<td>corrections officer are studied along with an</td>
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<td>overview of inmates' legal rights and</td>
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<td>classification of offenses. Lab fee required.</td>
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<td>*CJK0280</td>
<td>Criminal Justice Physical Fitness Training</td>
<td>Spring</td>
<td>1.33</td>
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<td>This course introduces the student to the</td>
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<td>concept of fitness for living. Each student</td>
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<td>self and engage in a planned program for fitness.</td>
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<td>*CJK0280C</td>
<td>Criminal Justice Officer Physical Fitness</td>
<td>Fall, Summer</td>
<td>1.33</td>
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<tr>
<td>*CJK0285</td>
<td>Criminal Justice Legal II</td>
<td>Fall, Spring</td>
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<td>Constitutional law and its application to</td>
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<td>corrections officers’ needs, evidence procedures,</td>
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<td>search and seizure and an in-depth coverage of</td>
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<td>specific offenses are the focus of this course.</td>
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<td>Lab fee required.</td>
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<tr>
<td>*CJK0286</td>
<td>Criminal Justice Communications</td>
<td>Fall, Spring</td>
<td>1.40</td>
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<td>In this course, the student is introduced to the</td>
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<td>report-writing process from the interview, taking</td>
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<td>statements and note-taking to the final</td>
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<td>correctional report produced. Inter-personal</td>
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<td>communication skills are covered along with</td>
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<td>radio and telephone equipment and procedures.</td>
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<td>*CJK0290</td>
<td>Correctional Cross-Over to Law Enforcement</td>
<td>Fall, Spring, Summer</td>
<td>1.60</td>
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<td>Introduction and Legal Overview</td>
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<td>Cross-Over Training to Florida CMS Law</td>
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<td>legal foundation for the law enforcement</td>
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<td>*CJK0291</td>
<td>Correctional Cross-Over to Law Enforcement</td>
<td>Fall, Spring, Summer</td>
<td>1.86</td>
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<td>Human Interaction and Communication</td>
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<td>interviewing skills, telecommunications equipment</td>
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<td>and procedures and report-writing.</td>
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<td>*CJK0292</td>
<td>Correctional Cross-Over to Law Enforcement</td>
<td>Fall, Spring, Summer</td>
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<td>Response to Human Issues</td>
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<td>foundation for responding and interviewing in a</td>
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<td>variety of situations involving persons with</td>
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<td>disabilities, substance abuse and other crises.</td>
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<td>*CJK0293</td>
<td>Overview of Law Enforcement</td>
<td>2.13</td>
<td>64.00</td>
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This course provides an overview of the law enforcement training program and the requirements for students to become law enforcement officers, gives students instruction in criminal justice values and ethics, provides students with an understanding of the criminal justice system and instructs students in the relevant aspects of criminal and constitutional law.

| *CJK0294    | Correctional Cross-Over to Law Enforcement Patrol II | 0.66    | 20.00 |

This course is part of the Correctional Officer Cross-Over Training to Florida CMS Law Enforcement Basic Recruit Training Program, Criminal Justice Standards and Training Commission (CJSTC) Program 1191 and provides basic patrol training for the law enforcement profession.

| *CJK0295    | Correctional Cross-Over to Law Enforcement Officer Wellness | 1.16    | 35.00 |

This course is part of the Correctional Officer Cross-Over Training to Florida CMS Law Enforcement Basic Recruit Training Program (CJSTC) Program 1191. The academy and instructor are charged with developing wellness and nutritional materials for this course. The wellness nutritional component can be in outline format and should be structured to improve the overall health of the recruits. The plan should cover the basic elements of nutrition, weight control, stress management and other applicable topics. Training centers may also choose to include a physical fitness component. However, instructors are not required to conduct the two physical fitness tests required by CJSTC rules in a full basic recruit training program or submit form CJSTC-67A.

| *CJK0296    | Reporting Procedures                               | 1.07    | 32.00 |

This course covers note-taking, interviewing and report-writing principles and mechanics. These are critical tasks that law enforcement officers must perform every day. During any investigation, the most important thing an officer can find is the truth. Lawful and effective interviews can lead an officer directly to the truth. Therefore, it is crucial to justice that officers develop effective interviewing techniques and note-taking skills. In addition, officers must develop effective report-writing skills. A poorly written report that contains inadequate or inaccurate information can discredit the best of investigations and demean the writer’s competence and professionalism.

| *CJK0297    | Interactions in Crisis Situations                  | 0.33    | 10.00 |

This course offers students instruction in how to respond to crisis situations in a law enforcement context. Topics include medical, psychological and emotional situations and the correct responses.

| *CJK0300    | Introduction to Corrections                        | 1.06    | 32.00 |

This course provides students with an overview of the correctional officer training program and the requirements for becoming a certified officer. It also provides instruction on basic criminal justice values, ethics and a foundational knowledge of the law and the ability to apply that law to specific incidents.

| *CJK0305    | Communications                                     | 1.33    | 40.00 |

This course provides students with practical communication skills for managing and supervising inmates, giving directions, answering questions and interacting with others in a professional and safe manner. The course includes interpersonal communication, telecommunications, interviewing, note-taking and report-writing.
* CJK0310  Officer Safety

Fall, Spring, Summer       0.53 Credits - 16.00 Hours

This course provides students with an overview of officer safety and security concerns, identification, manipulation and deception, contraband and searches.

* CJK0315  Facility and Equipment

Fall, Spring, Summer       0.26 Credits - 8.00 Hours

This course provides students with an overview and basic knowledge of standard equipment and materials used to keep correctional facilities clean, safe and secure. Students will also learn to identify common problems found when managing equipment.

* CJK0320  Intake and Release

Fall, Spring, Summer       0.60 Credits - 18.00 Hours

This course provides students with an overview of the various intake, classification and release processes used by county and state facilities.

* CJK0325  Supervising in a Correctional Facility

Fall, Spring, Summer       1.33 Credits - 40.00 Hours

This course provides students with an overview of the role of the correctional officer in the care, custody and control of inmates. Students will also learn the importance of developing supervisory and observational skills, practicing officer safety and following policies and procedures to ensure the safe operation of a correctional facility.

* CJK0330  Supervising Special Populations

Fall, Spring, Summer       0.66 Credits - 20.00 Hours

This course provides students with an awareness of special populations and the appropriate responses when interacting with and supervising a variety of individuals that have been grouped together.

* CJK0335  Responding to Incidents and Emergencies

Fall, Spring, Summer       0.53 Credits - 16.00 Hours

This course provides students with an awareness and ability to apply knowledge, training and reasonable judgment to ensure the safety and security of all persons at the facility during an emergency.

* CJK0340  Officer Wellness and Physical Abilities

Fall, Spring, Summer       1.00 Credit - 30.00 Hours

This course is designed to prepare students to perform the physical duties as a correctional officer through the implementation of a physical fitness training plan and a nutritional component.

* CJK0345  Law Enforcement Cross-Over to Correctional Officer Wellness

Fall, Spring, Summer       0.40 Credits - 12.00 Hours

This course prepares the student for participation in lifestyle activities which will promote health and wellness.

* CJK0352  Cross-Over Handgun Transition Course

Fall, Spring, Summer       0.80 Credits - 24.00 Hours

This course provides training and transitions a student from the use of a semi-automatic handgun to a revolver or vice versa. Students must demonstrate proficiency for both handgun daytime and handgun nighttime using the course of fire specified in this course.

* CJK0393  Cross-Over Program Updates

Fall, Spring, Summer       0.26 Credits - 8.00 Hours

This course is designed for instructors to deliver expanded or updated instruction on curriculum topics contained in the cross-over program. The eight hours
do not have to be taught in one block but may be
distributed as needed throughout the program with
the approval of the training center director. For
example, additional time may be used to integrate
updated techniques or instruction from the high
liability textbook, apply relevant case law or review
topics from the curriculum textbook not specifically
designated for classroom instruction. Because these
hours may be distributed to other courses in the cross-
over program, a written end-of-course exam is not
required for the cross-over program updates course.

* CJK0421  Dart-Firing Stun Gun Use

Fall, Spring, Summer  0.20 Credits - 6.00 Hours

This course will introduce the student to the basics of
the stun gun and the dart-firing stun gun and will
provide fundamental knowledge on this emerging tool
in criminal justice. This is a competency-based course.
Lab fee required.

* CJK0422  Dart-Firing Stun Gun

Fall, Spring, Summer  0.26 Credits - 8.00 Hours

This course will introduce the student to the basics of
the stun gun, particularly the dart-firing stun gun and
provide knowledge of its practical use. Lab fee
required.

* CJK0480  Emergency Preparedness

Spring, Summer  0.86 Credits - 26.00 Hours

This course will cover facility tensions, such as riots, by
teaching students prevention procedures and
techniques. It will also explore the handling of unusual
disturbances, firefighting principles and emergency
procedures for natural or man-made disasters. Lab fee
required.

* CJK0930  Directed Studies in Criminal Justice

Offered as Needed  0.33 Credits - 10.00 Hours

This course is scheduled for individual students who
wish to explore topics not covered in the curriculum.
The student must present a design of the study
(learning contract) to the faculty member who is to
direct the work. Approval from the department chair
or director is required prior to registration.

CJL1130  Criminal Procedure

Fall, Spring  3.00 Credits - 3.00 Hours

This course provides an understanding about
balancing the power of government and the freedoms
and privacy of citizens to allow the government
enough power to serve and protect its citizens without
unnecessarily invading individual rights.

CJL2100  Criminal Law

Spring, Summer  3.00 Credits - 3.00 Hours

This course identifies and defines principles and
doctrines of law with emphasis on Florida criminal and
civil statutes that provide sanctions for inappropriate
behavior within our society.

CJL2131  Criminal Evidence

Fall, Summer  3.00 Credits - 3.00 Hours

The purpose of this course is to point out why the
evidence of the law court follows its present direction.
Course content includes considering rules of evidence
and rules of exclusion. Tests of admissible evidence
applied by the courts, including direct and
circumstantial evidence, will be covered.

CJL2500  U.S. Court Systems

Fall  3.00 Credits - 3.00 Hours

This course will provide students with an
understanding of the court system. Students will study
the abilities courts have to regulate our lives, shape
what is acceptable and what is forbidden. Students
will also study how the court system works to avoid
violating people’s rights and liberties. This course covers topics such as the role of courts in modern society, pressure on the courts and how that pressure is handled, various levels of courts, professionals who work in the system, the role of the victim, rights of the defendant and a step-by-step program to show how a case works its way through the court system. Students may be required to attend a session in an actual courtroom at the discretion of the instructor.

CLA1010  Classical Studies AICE AS-Level

Offered as Needed  3.00 Credits - 0.00 Hours

Credit for this course is granted to students with passing scores of A, B, C, D or E on the Cambridge AICE British (Level AS) exam.

CLP2140  Abnormal Psychology

Spring  3.00 Credits - 3.00 Hours

This course will examine the clinical description and etiology of psychological disorders from an integrative perspective. Emphasis will be placed on theories of causation and current research on treatment modalities. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisites: PSY 2012. Eligibility to enroll in ENC 1101 OR test scores that indicate ENC 1101 eligibility OR completion of appropriate college developmental courses for ENC 1101 with grades of “C” or higher OR completion of EAP coursework for ENC 1101 eligibility with grades of “C” or higher.

CNT1401  Cybersecurity Literacy

Fall, Spring, Summer  3.00 Credits - 3.00 Hours

This course prepares the non-technical student to understand how Cybersecurity affects them in their personal and career lives. A basic understanding of cybersecurity terminology provides the foundation to consider the best practices and behaviors related to laptop/desktop systems, mobile devices, accessing free Wifi, utilizing social media, working with personal and work-related email accounts and utilizing the cloud for storage.

CNT3406  Enterprise Security

Fall, Spring  3.00 Credits - 3.00 Hours

This course covers the issues of providing computer security in an enterprise environment. Students will learn the threats to any enterprise and how to properly address these threats with an appropriate response. Prerequisite: CIS 3360.

CNT3940  Cooperative Internship in Information Systems Technology

Fall, Spring, Summer  3.00 Credits - 3.00 Hours

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn cooperative education credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student’s academic program. Prerequisite: Junior in good academic standing.

CNT4422  Securing the Cloud

Fall, Spring  3.00 Credits - 3.00 Hours

This course covers the intricacies of providing security in cloud-based computing. Students will learn how to provide a sturdy and stable framework to secure their organization’s piece of the cloud through consideration of alternate approaches, such as private vs. public clouds, SAAS vs IAAS and loss of control and trust. Prerequisite: CIS 3360.

CNT4504  Computer Networks and Distributed Processing
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<th>Course</th>
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<tr>
<td><strong>Spring, Summer</strong> 3.00 Credits - 3.00 Hours</td>
<td>In this course, students will study architectures, protocols and layers in distributed communication networks and develop client-server applications. Topics include the OSI and TCP/IP models, transmission fundamentals, flow and error control, switching and routing, local and wide-area networks, wireless networks and client-server models. Students will extend course topics via programming assignments, library assignments and other requirements. Prerequisites: CDA 3100 and CET 3679.</td>
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<tr>
<td><strong>CNT4514 Wireless Networks and Portable Devices</strong> Fall, Summer 3.00 Credits - 3.00 Hours</td>
<td>Students in this course will study wireless and emerging network technologies. They will examine the effects of mobility on network issues such as architecture, security, privacy, file systems, resource discovery, resource management (including energy usage), personal online identities and other areas. Students will acquire hands-on experience with mobile and sensor platforms. Prerequisite: CIS 3360.</td>
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<tr>
<td><strong>CNT4524 Mobile Security</strong> Fall, Spring 3.00 Credits - 3.00 Hours</td>
<td>This course covers the issues of providing information security for mobile devices in our ever-changing corporate environment. As each generation of portable electronic devices and storage media becomes smaller, higher in capacity and easier to transport, it is becoming increasingly difficult to protect the data on these devices while still enabling their productive use in the workplace. Prerequisite: CIS 3360.</td>
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<td><strong>CNT4704 Network Design and Planning</strong> Fall, Spring 3.00 Credits - 3.00 Hours</td>
<td>In this course students will examine computer network goals, models and designs for both local-area and wide-area networks with specific emphasis on internetworking principles. They will evaluate current network technologies and use these in the planning of a network. Through simulation techniques and graph and queuing theory, students will plan the capacity of a network and analyze its performance. Prerequisites: CIS 3360, CNT 4504 and CNT 4514.</td>
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<tr>
<td><strong>CNT4704H Honors Network Design and Planning</strong> Fall, Spring 3.00 Credits - 3.00 Hours</td>
<td>In this course, students will examine computer network goals, models and designs for both local-area and wide-area networks with specific emphasis on internetworking principles. They will evaluate current network technologies and use these in the planning of a network. Through simulation techniques and graph and queuing theory, students will plan the capacity of a network and analyze its performance. Prerequisites: CIS 3360, CNT 4504, CNT 4514 and acceptance into the Honors program.</td>
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<tr>
<td><strong>COP1000 Principles of Computer Programming</strong> Fall, Spring, Summer 3.00 Credits - 3.00 Hours</td>
<td>This course covers the basic concepts of computer programming. Students use a structured approach using the Java programming language to design and program logic techniques such as iteration, initialization, conditional processing, accumulation and sequencing. Also considered are programming style and program efficiency. Logic techniques and data formats are illustrated using high level programming languages. This class utilizes classroom lecture and hands-on programming exercises. A working knowledge of the Windows PC including starting programs, saving files and copying files is required. Lab fee required.</td>
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| **COP1332 Visual Basic Programming** Fall, Spring, Summer 3.00 Credits - 3.00 Hours | Students will learn the Visual Basic programming language through classroom lectures and hands-on lab exercises. Topics covered include selection statements,
iteration, event-driven programming, data files, databases, menus and ActiveX controls. Lab fee required. Prerequisite: COP 1000 or department permission.

COP1651C Introduction to Wireless Programming
Fall, Spring 3.00 Credits - 3.00 Hours
This course provides students with an introduction to wireless device programming. Students will learn the basic features of the Windows Mobile Internet Toolkit used for “smart phones” and hand-held PCs. In addition, the course will cover building and delivering web services, installation and software maintenance. Lab fee required. Prerequisite: COP 1000 with a grade of “C” or higher.

COP2224 C++ Programming
Fall, Spring, Summer 3.00 Credits - 3.00 Hours
This course provides an introduction to object-oriented programming and the C++ programming language. Students will create, document, run and debug programs using computer facilities on campus. Key topics include variables, classes, objects, selection, iteration, strings, arrays, pointers and functions. Lab fee required. Prerequisite: COP 2800 with a grade of “C” or higher or department permission.

COP2228 Advanced C++ Programming
Fall, Spring 3.00 Credits - 3.00 Hours
The student applies the Visual C++ programming language to more advanced problems by designing, implementing and documenting computer applications. Key topics include class constructors and destructors, function overloading, operator overloading, dynamic memory allocation, encapsulation, inheritance and polymorphism. Selected classes from the C++ Standard Template Library (STL) are also covered. Lab fee required. Prerequisite: COP 2224 with a grade of “C” or higher or department permission.

COP2360 C# Programming
Fall, Spring, Summer 3.00 Credits - 3.00 Hours
This course provides an introduction to the C# programming language. Students will learn the basic features of the language, including selection, iteration, data types and scope. In addition, the course will cover the object-oriented aspects of the language including encapsulation, inheritance and polymorphism. Lab fee required. Prerequisite: COP 1000.

COP2362 Advanced C# Programming
Fall, Spring 3.00 Credits - 3.00 Hours
In this course, the student will use the more advanced features of the C# programming language to create complex applications that utilize graphical user interfaces, databases, multithreading, Internet communications and multimedia. Lab fee required. Prerequisite: COP 2360 or department permission.

COP2654C iPhone Programming
Fall, Spring 3.00 Credits - 3.00 Hours
This course is an introduction to creating iPhone applications. The student is introduced to the Apple development environment and development tools. Significant time is spent learning the Objective-C programming language. Objective-C topics include data types, expressions, selection, iteration, methods, classes, objects and object-oriented concepts. Basic iPhone applications are developed, incorporating features such as touch input and control of basic user interface widgets. An iPhone is not required. Lab fee required. Prerequisite: COP 1000.

COP2658C Advanced iPhone Programming
Fall, Spring 3.00 Credits - 3.00 Hours
This course focuses on developing applications for the Apple iPhone. It assumes the student has a basic understanding of Objective-C. Topics include Apple
development tools, building multi-view applications, saving data using a database, drawing with a graphics library, using images and sound, determining device locations and distances and tracking motion using the accelerometer. The business of the iPhone Developer Program, distributing, marketing and selling iPhone applications will be covered. An iPhone is not required. Lab fee required. Prerequisite: COP 2654C.

**COP2660 Android Programming**

**Fall, Spring** 3.00 Credits - 3.00 Hours

This course is an introduction to creating Android mobile applications. The student is introduced to the Android development environment and development tools. Significant time is spent learning the Java programming language. Java topics include data types, variables, expressions, selection, iteration, methods, classes, objects and object-oriented concepts. Android applications are developed with basic user interface objects and layouts. A mobile device is not required. Prerequisite: COP 1000.

**COP2662 Advanced Android Programming**

**Fall, Spring** 3.00 Credits - 3.00 Hours

This course focuses on developing applications for the Android mobile application platform. It assumes the student has a basic understanding of Java gained through the prerequisite course. User interface widgets (Views) and advanced layout options will be covered. Medium-to-advanced features such as using graphics, images, audio and video in apps will be covered. In addition, apps saving data using a database, using location-based services and tracking motion using the accelerometer will be developed. The business of distributing, marketing and selling Android applications will be addressed. A mobile device is not required. Prerequisite: COP 2660.

**COP2800 Programming in Java**

**Fall, Spring, Summer** 3.00 Credits - 3.00 Hours

This course provides an introduction to object-oriented programming using the Java programming language. Students will design, build, test and debug computer applications that utilize classes, objects, inheritance, polymorphism and interfaces. Lab fee required. Prerequisite: COP 1000 with a grade of “C” or higher or department permission.

**COP2805 Advanced Java Programming**

**Fall, Spring** 3.00 Credits - 3.00 Hours

In this course, the student will learn the more advanced features of the Java programming language and object-oriented programming. Advanced Java applications will be created that utilize graphical user interfaces, data structures, databases, multithreading, Internet communications and multimedia. Lab fee required. Prerequisite: COP 2800 with a grade of "C" or higher or department permission.

**COP2821 Advanced Visual Basic Programming**

**Fall, Spring** 3.00 Credits - 3.00 Hours

This course uses Visual Basic to solve advanced programming problems. Topics covered include advanced Windows controls, Internet controls, ActiveX controls, ActiveX documents, Multiple Documents Interface (MDI) applications, Dynamic Link Libraries (DLLs), the Component Object Model (COM) and class modules. This class utilizes classroom lectures and hands-on programming exercises. Lab fee required. Prerequisite: COP 1332 or department permission.

**COP2822 Web Applications**

**Fall, Spring, Summer** 3.00 Credits - 3.00 Hours

Web Applications introduces students to the art of web development by using industry standard tools and scripts to construct commercial-grade web pages. The course will cover the software tools available to create and develop web pages as well as hands-on experience configuring a variety of software used on a website. Lab fee required.
COP2830  Web Programming I

Fall, Spring, Summer  3.00 Credits - 3.00 Hours

Web Programming I will focus on the skills required for web application development using XHTML, client-side scripting and basic server-side scripts. This course will explore the syntax, semantics and limitations of page layout, Cascading Style Sheets and basic scripting. Implementation of server-side scripting will be covered as it pertains to form processing. Examples of tools, W3 standards and cross-browser compatibility will also be examined. Upon completion of the course, the student will be able to design, program and publish a commercial-grade website. Lab fee required.

COP2831  Web Scripting and AJAX

Spring  3.00 Credits - 3.00 Hours

This course will teach the student how to modify a document’s structure, styling and content in response to user actions and make AJAX requests to get data from the server without reloading the page. Today’s web applications, such as Google Maps and Web 2.0 sites, such as Twitter, are powered by JavaScript and AJAX. Lab fee required. Prerequisite: COP 2830.

COP2833  Data Driven Websites

Fall  3.00 Credits - 3.00 Hours

Databases drive today’s e-commerce websites. This course demonstrates how to leverage the power of a relational database through the use of SQL and server-side scripting. The student will explore server-side scripts in a variety of languages to provide dynamic website content. The course will demonstrate how to connect to data from standard ODBC-compliant databases and create database-driven websites. Upon successful completion of this course, students will be able to design, develop and publish a dynamic database-driven application suitable for use in business or e-commerce. Lab fee required. Prerequisite: COP 2836 or department permission.

COP2836  Web Programming II

Fall, Spring, Summer  3.00 Credits - 3.00 Hours

Programming on the Web server enables a website to interface with databases, access server files and create dynamic content for websites. This course introduces the student to a wide variety of server-side programming and scripting technologies. Examples of these tools and languages include Server Side Includes (SSI), Common Gateway Interface (CGI), PERL, ASP, Java Servlets, Java Server Pages (JSP) and JavaScript. The student will use this introduction to select future courses that cover these topics in detail. Prerequisite: COP 2830 or department permission.

COP2930  Selected Topics In Computer Programming

Offered as Needed  3.00 Credits - 3.00 Hours

In this course, topics of current interest are presented in group instruction. Lab fee required.

COP2931  Selected Topics in Computer Programming

Offered as Needed  1.00 Credit - 1.00 Hour

In this course, topics of current interest are presented via individual or group instruction. Generally, the student will work with a faculty member to explore a subject not covered in the standard curriculum.

COP2941  Cooperative Education Internship in Computer Programming

Offered as Needed  1.00 Credit - 1.00 Hour

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn cooperative education credits based on the completion of the required work experience and satisfactory completion of assignments including, but
not limited to, seminars and a project. This course may be repeated based upon the student’s academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student’s chosen major as identified in the student’s program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

COP2942 Cooperative Education Internship in Computer Programming

Offered as Needed 2.00 Credits - 2.00 Hours

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn cooperative education credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student’s academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student’s chosen major as identified in the student’s program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

COP2949 Cooperative Education Internship in Computer Programming

Offered as Needed 3.00 Credits - 3.00 Hours

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn cooperative education credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student’s academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student’s chosen major as identified in the student’s program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

COP3330 Object-Oriented Programming

Fall, Spring, Summer 3.00 Credits - 3.00 Hours

This course explores the concepts of object-oriented programming including abstraction, encapsulation, inheritance and polymorphism. The applications developed will focus on extracting objects from a problem domain and designing solutions based on passing messages between objects. Implementation will be done in a current object-oriented language. Prerequisite: COP 1000 or higher level computer programming course.

COP3338 Advanced Object Oriented Programming

Fall, Spring 3.00 Credits - 3.00 Hours

This course includes advanced programming topics such as multithreading, libraries, exception handling, GUI, networks, memory allocation, database connection and cross-platform development issues. Prerequisite: COP 3330.

COP3703 Database Design/Architecture

Fall, Spring 3.00 Credits - 3.00 Hours

This course is an in-depth study of database management systems. The course focuses on the relational database which is the most common model used by businesses. Key topics include an overview of database systems, database design, the relational model, physical design, indexing, transaction management, concurrency management, recovery and tuning. In addition, some non-relational topics will be
addressed such as data warehousing, decision support and data mining databases. Prerequisite: CGS 2545C.

COP4655  Application Development for Mobile Devices

Fall, Spring  3.00 Credits - 3.00 Hours

Students will study the most widely used mobile development environments used by businesses. A hands-on environment will be provided by implementing a common solution using multiple development environments and multiple devices. Prerequisite: COP 3330.

COP4813  Web Applications Programming

Spring, Summer  3.00 Credits - 3.00 Hours

This course covers the development of distributed multi-tier, web-based applications using the Java programming language. The use of the current Java Platform and Enterprise Edition (EE) platform will be integral to this process. Key topics include Enterprise Java Beans (EJB), web services, profiles, servlets and Java Server Pages (JSP). Prerequisite: COP 3330.

COT3103  Discrete Computational Analysis

Fall, Spring, Summer  3.00 Credits - 3.00 Hours

This course applies basic mathematical logic skills and foundations used in computer science and information systems technology. It is designed for students in a major of IT or IST and includes logic rules, tautologies, Boolean algebra, set theory, mathematical induction and other topics of discrete computational analysis. Prerequisite: MAC 1105 or higher level mathematics course.

CPO1421  Politics, Society, and Islam

Fall, Spring  3.00 Credits - 3.00 Hours

This course examines the political dimensions of Islam within a regional and global context. The course will analyze the foundation of Islamic thought in society, the nature of the relationship between religious and political establishments, the roots of instability and conflict in the Middle East, and the problems generated by the conceptualization of the West vs. the "rest".

CPO2002  Introduction to Comparative Politics

Spring  3.00 Credits - 3.00 Hours

This course is a comparative survey of political structures, processes and institutions around the world, including western and non-western cultures, developed and underdeveloped countries, democratic and non-democratic governments, unitary and federal systems. Credit for this course is awarded to entering students with appropriate scores on the Advanced Placement (AP) examination in Government and Politics: Comparative. Prerequisite: ENC 1101 with a grade of “C” or higher or corequisite ENC 1101.

CPO2002H  Honors Introduction to Comparative Politics

Fall, Spring  3.00 Credits - 3.00 Hours

This course is a comparative survey of political structures, processes and institutions around the world, including western and non-western cultures, developed and underdeveloped countries, democratic and non-democratic governments, unitary and federal systems. Credit for this course is awarded to entering students with appropriate scores on the Advanced Placement (AP) examination in Government and Politics: Comparative. Prerequisites: Acceptance into Honors program and ENC 1101 with a grade of “C” or higher or corequisite ENC 1101.

CRW2001  Creative Writing I

Fall, Spring  3.00 Credits - 3.00 Hours

This course provides students the opportunity for creative expression in the verbal arts. Although drama, fiction and poetry are studied and critiqued, students are free to concentrate in the genre of their choice and
are encouraged to enter contests and to submit work for publication.

CRW2002  Creative Writing II

Fall, Spring  3.00 Credits - 3.00 Hours

This course is an expansion of CRW 2001, focusing on formal writing exercises with more frequent deadlines and critiques in a workshop atmosphere emphasizing individual instruction. This course may be taken four times for credit. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisites: ENC 1101 or ENC 1101H and CRW 2001.

CRW2930  Selected Studies in Creative Writing

Offered as Needed  3.00 Credits - 3.00 Hours

In this course, topics of current interest are presented in group instruction.

CTS1120  Introduction to Internetworking Security (Security+)

Fall, Spring, Summer  3.00 Credits - 3.00 Hours

This course examines the principles, mechanisms and implementation of network security and data protection. The topics presented will help students gain the fundamentals of network security and explain what happens behind the scenes and from the point of view of a computer. Topics include definition and use of password crackers, operating system exploits, what is a Hacker, IP Spoofing, Session Hijacking, Denial of Service attacks (DOS), Buffer Overloads, general concepts of password security, how to create a company-wide security policy, how to perform security audits and how to recover from such attacks. Lab fee required. Prerequisite: CET 1179.

CTS1162  Configuring Windows Vista Client (70-620 exam/MCTS)

Offered as Needed  4.00 Credits - 4.00 Hours

This course is designed to provide students with the knowledge and skills necessary to perform installation, post-installation, configuration and day-to-day administration tasks in a single-domain or multiple-domain using Windows Vista. Lab fee required. Prerequisite or corequisite: CET 1179.

CTS1163C  Configuring Windows 7 Client (70-680 exam/MCITP)

Fall, Spring, Summer  4.00 Credits - 4.00 Hours

This course is designed to provide students with the knowledge and skills necessary to perform installation, post-installation, configuration and day-to-day administration tasks in a single domain or multiple domain environment using Windows 7. Prerequisite or corequisite: CET 1179.

CTS1168C  Configuring Windows Devices (70-697 exam)

Fall, Spring, Summer  4.00 Credits - 4.00 Hours

This course prepares the student to understand the basic and detailed requirements for configuring Windows 10 devices. The student will learn time-saving solutions, tips and workarounds. From the new Microsoft Edge browser to the personal assistant Cortana, from security to the enhanced Start menu, students will discover how the experts tackle essential Windows 10 tasks. Additionally, this course prepares students for the Microsoft Exam 70-697 (Configuring Windows Devices) and helps demonstrate real-world mastery of configuring Windows 10 devices for the enterprise. Prerequisite: CET 1179.

CTS1300  Supporting Windows XP Professional (70-270 exam/MCSE)

Offered as Needed  4.00 Credits - 4.00 Hours

This course provides students with the knowledge and skills necessary to install and configure Microsoft Windows XP Professional on stand-alone computers and on client computers that are part of a workgroup or a network environment. Topics include pre/post
installation, troubleshooting system startup, TCP/IP configuration, Internet Connection Firewall, Remote Desktop and Assistance options, along with the ability to monitor and manage files/folders/storage devices/display devices and local/network printer installations. Knowledge of Network Concepts, DOS and hardware knowledge is required. Lab fee required. Prerequisite or corequisite: CET 1179.

CTS1327C  Configuring Windows 8 (70-687 exam/MCSA)

Fall, Spring, Summer  4.00 Credits - 4.00 Hours

This course is designed to provide students with the knowledge and skills necessary to perform installation, post-installation, configuration and day-to-day administrative tasks in enterprise systems in single domain or multiple domain environments using Windows 8. Prerequisite: CET 1179.

CTS1334C  Supporting Users and Troubleshooting Applications on a MS Windows Desktop

Spring  4.00 Credits - 4.00 Hours

This course provides students with the knowledge and skills necessary to configure and troubleshoot applications and/or operating system settings regarding applications that are installed on the Microsoft Operating System stand-alone or networked client computers that may be a part of a workgroup or a network environment. Topics include application setup, e-mail and Outlook Express account configuration, Internet Explorer (IE) configuration and troubleshooting methodology, the ability to resolve issues related to usability of applications, customization of Windows settings and the ability to answer end-user questions related to application security settings. Knowledge of Network Concepts, Command Line and hardware knowledge is required. Lab fee required. Prerequisite: CTS 1162 or CTS 1163C or CTS 1327C or CTS 1300 or permission of instructor.

CTS2142  Information Technology Project Management

Fall, Spring, Summer  3.00 Credits - 3.00 Hours

This course will provide a comprehensive overview of the skills, knowledge and tools needed to effectively manage projects with special emphasis on the unique challenges of the computing and information technology industries. The course will cover all nine areas of A Guide to the Project Management Body of Knowledge (PMBOK Guide) established by the Project Management Institute as the industry standard for project management instruction.

CTS2317  Advanced Security Certified Ethical Hacker

Spring  4.00 Credits - 4.00 Hours

This course examines in great depth the principles, mechanisms and implementation of network security and data protection. Students learn to understand the topics Cipher Block Mode, Key Distribution methodology, Public Key Infrastructure, Kerberos, X.509 Directory Security, IP/Web/Email Security, SLS (Secured Sockets Layer), PGP (Pretty Good Privacy) and Network Security Management from both an internal and external security reference. Basic networking concepts and security principles required. Lab fee required. Prerequisite: CTS 1120.

CTS2343C  Windows Server 2008 Applications Infrastructure (Exam 70-643)

Offered as Needed  4.00 Credits - 4.00 Hours

This course provides students with an understanding of migrating and deploying Windows Server 2008, including installation, configuration and upgrading. Special emphasis is given to upgrading common server configurations and using the Windows Server Deployment Solution Accelerator. Students will also learn to install, configure, maintain and troubleshoot an Internet Information Services (IIS) 7.0 Web server in Windows Server 2008. Finally, students will be provided with the knowledge and skills to configure, manage, monitor and troubleshoot a Terminal Services (TS) environment. The course focuses on configuring of TS core functionality, licensing, gateway and Web access. Lab fee required. Prerequisite: CET 1179.
CTS2345C  Windows Server 2008 Active Directory  
(70-640 exam)

Spring 4.00 Credits - 4.00 Hours

This course provides the skills and knowledge necessary to configure, manage and maintain the Windows 2008 Active Directory structure. Both logical and physical components will be explained and demonstrated. Students will learn to create a forest/domain structure, organize and plan user/group strategies, deploy site configurations, understand Operation Masters and their role within the Active Directory structure and learn the basic backup and restore features of this directory service. Knowledge of Windows Vista/Windows XP and/or client interfaces is suggested. Lab fee required. Prerequisite: CET 1179.

CTS2346C  Windows Server 2008 Administrator  
(Exam-70-646)

Fall 4.00 Credits - 4.00 Hours

This course provides the skills and knowledge necessary to install and configure Windows Server 2008 and to manage and create end-user records, handle printing infrastructures, monitor remote servers, manage storage and system restore and maintenance. Knowledge of Windows Vista, XP and/or client interfaces is suggested. File/folder structure management and creation and hardware knowledge is required. Lab fee required. Prerequisites or corequisites: CTS 2345C or CTS 2390C and CTS 2347C or permission of instructor.

CTS2347C  Windows Server 2008 Network Infrastructure  
(Exam 70-642)

Fall 4.00 Credits - 4.00 Hours

This course provides students with the knowledge and skills to configure and troubleshoot a Windows Server 2008 network infrastructure. Students will learn to implement and configure secure network access and implement fault tolerant storage technologies. Students will gain an understanding of the network technologies most commonly used with Windows Server 2008 and IP-enabled networks. Students will also learn how to secure servers and maintain update compliance. Lab fee required. Prerequisite: CET 1179.

CTS2370C  Virtual Infrastructure: Installation and Configuration

Fall, Spring, Summer 4.00 Credits - 4.00 Hours

In this course, students learn the concepts and capabilities of virtual architecture with a focus on the installation, configuration and management of a VMware virtual infrastructure. This course covers fundamentals of virtual network design and implementation, fundamentals of storage area networks, virtual switching, virtual management and engineering for high availability. Prerequisite: CTS 2345C or CTS 2390C or equivalent.

CTS2371C  Virtual Infrastructure: Deployment, Security and Analysis

Fall, Spring, Summer 4.00 Credits - 4.00 Hours

This course focuses on the deployment, security and analysis of the VMware virtual infrastructure, including scripted installations, advanced virtual switching for security, server monitoring for health and resource management, high availability management, system backups and fault analysis. Prerequisite: CTS 2370C or equivalent.

CTS2372C  Virtualized Server Implementation I

Fall, Spring, Summer 4.00 Credits - 4.00 Hours

In this course, students learn the deployment, planning and analysis of the Citrix server, including the designing of terminal services and application planning. Prerequisite: CTS 2345C or CTS 2390C or equivalent.

CTS2390C  Installing and Configuring Windows Server 2012

Fall, Spring 4.00 Credits - 4.00 Hours
This course is the first of three courses designed to build the knowledge and skills necessary to implement a core Windows Server 2012 infrastructure in an existing enterprise environment. The course covers implementing, managing, maintaining and provisioning services and infrastructure in a Windows Server 2012 environment. Prerequisite: CET 1179.

CTS2391C  Administering Windows Server 2012

Spring, Summer  4.00 Credits - 4.00 Hours

This course is the second of three courses designed to build the knowledge and skills necessary to implement a core Windows Server 2012 infrastructure in an existing enterprise environment. The course covers implementing, managing, maintaining and provisioning services and infrastructure in a Windows Server 2012 environment. Prerequisite or corequisite: CTS 2390C.

CTS2392C  Configuring Advanced Windows Server 2012 Services

Fall, Summer  4.00 Credits - 4.00 Hours

This course is the final of three courses designed to build the knowledge and skills necessary to implement a core Windows Server 2012 infrastructure in an existing enterprise environment. The course covers implementing, managing, maintaining and provisioning services and infrastructure in a Windows Server 2012 environment. Prerequisite: CTS 2390C.

CTS2395C  Implementing Desktop Infrastructure

Spring, Summer  4.00 Credits - 4.00 Hours

This course is the first of two courses designed to provide students with the knowledge and skills necessary to plan, design and implement a Windows 8 desktop infrastructure. The course provides guidance on planning and deploying desktops using technologies such as User State Migration Tool, Microsoft Deployment Toolkit and Virtual Desktop Infrastructure. The course will also describe how to monitor the performance and health of the desktop infrastructure. Prerequisite or corequisite: CTS 1163C or CTS 1327C.

CTS2396C  Implementing Desktop Application Environments

Spring, Summer  4.00 Credits - 4.00 Hours

This course is the second of two courses designed to enable students to design, deploy and manage a physical and virtual Windows Server 2012 application management infrastructure. Students will learn to design, deploy and manage Windows 8 Enterprise applications in a physical and virtual environment and the cloud. Prerequisite: CTS 2390C. Prerequisite or corequisite: CTS 2395C.

CTS2411C  Information Storage Management

Fall, Spring, Summer  4.00 Credits - 4.00 Hours

In this course, students learn how to manage advanced storage systems, protocols and architecture including Storage Area Networks (SAN), Network-Attached Storage (NAS), Fiber Channel Networks, Internet Protocol SANs (IPSAN), iSCSI and Content-Addressable Storage (CAS). Prerequisite: CTS 2345C or CTS 2390C or equivalent.

CTS2434C  Microsoft SQL Implementation

Offered as Needed  4.00 Credits - 4.00 Hours

The goal of this course is to provide students with the knowledge and skills required to implement a database solution with a Microsoft SQL Server client/server database management system. Students will also gain a deeper understanding of the architecture of Microsoft SQL Server. Knowledge of the Windows 9X interface, Windows NT, DOS and hardware is required. Lab fee required. Prerequisite: CET 1179.

CTS2445  Oracle Structured Query Language (SQL)
Fall, Spring, Summer  3.00 Credits - 3.00 Hours

This class covers the industry standard Structured Query Language (SQL) and additional SQL features specific to Oracle relational databases. Students learn to create and maintain database objects and to store, retrieve and manipulate data. Classroom lecture and hands-on lab assignments reinforce the fundamental concepts. This course prepares students for the Oracle Application Developer and Database Administrator exams. Lab fee required. Prerequisite: CGS 2545C or department permission.

CTS2937C  Selected Studies in Information Technology

Offered as Needed  4.00 Credits - 4.00 Hours

In this course, topics of current interest are presented in group instruction.

DAA1100C  Contemporary/Modern Dance I

Fall  2.00 Credits - 3.00 Hours

In this course, students will learn basic exercises and combinations which promote understanding of dance theory and techniques. Improvisational exercises will also be incorporated to develop a sense of individual accomplishment and skill.

DAA1101C  Contemporary/Modern Dance II

Fall, Spring  2.00 Credits - 3.00 Hours

This course continues with exercises and combinations which promote understanding of dance theory and techniques that began in DAA 1100C, exploring them at the intermediate level. Improvisational exercises will continue to be incorporated to develop a sense of individual accomplishment and skill. Prerequisite: DAA 1100C.

DAA1200  Ballet I

Fall  2.00 Credits - 3.00 Hours

Ballet I introduces students to the basic skills and terminology of ballet. This course is designed to develop individual body awareness, strength, flexibility and an appreciation for the art of ballet.

DAA1201  Ballet II

Spring  2.00 Credits - 3.00 Hours

This course is designed to reinforce and build upon basic ballet techniques. There is an emphasis on body alignment and effective methods for gaining strength and flexibility necessary for proper ballet deportment. It includes the barre, the center floor and the basic elements of the classical ballet vocabulary. The history of ballet will also be included in this course. Prerequisite: DAA 1200.

DAA2932  Selected Studies in Dance

Fall, Spring  2.00 Credits - 3.00 Hours

In this course, topics of current interest are presented in group instruction. This course may be taken four times for credit.

DEP1401  Psychology of Adulthood and Aging Excelsior Examination

Offered as Needed  3.00 Credits - 0.00 Hours

Credit for this course is granted to students with passing scores on the Psychology of Adulthood and Aging Excelsior Examination.

DEP2004  Developmental Psychology

Fall, Spring, Summer  3.00 Credits - 3.00 Hours

This course explores the effects of genetic, psychological, maturational and social factors at various stages during the lifespan. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Some sections of DEP 2004 have service-learning
components. Please refer to class notes in schedule of classes for details. Prerequisite: PSY 2012.

DIG1100C  Web Basics - Understanding the World Wide Web
Fall  3.00 Credits - 3.00 Hours

This introductory web design course examines the process of creating existing, functional content for the World Wide Web. Students receive an understanding of html and web standards related to the development of websites. This course demonstrates how to create, edit, manage and design a website within a web authoring tool and complementary software applications. Lab fee required.

DIG1101C  Web Design for Beginners
Spring  3.00 Credits - 3.00 Hours

This course explores practical and theoretical issues related to Internet as a medium for delivering information. Emphasis will be placed on the creation of dynamic and interactive experiences on the web, integrating video, graphics, sounds, image and typography. Lab fee required. Prerequisite: DIG 1100.

DIG1105C  Social Media Tools
Fall  3.00 Credits - 3.00 Hours

This course is designed to explore the current technologies associated with Web 2.0 and social media. Topics to be covered include social networking etiquette, Real Simple Syndication (RSS), tagging, Consumer-Generated Content (CGC), blogs, wikis and podcasting. Student knowledge in the historical perspectives, prevailing definitions and industry-wide applications of Web 2.0 and social media tools will be extended. Lab fee required.

DIG2000  Introduction to Digital Media
Fall, Spring, Summer  3.00 Credits - 3.00 Hours

This course explores the avenues of contemporary digital design, highlighting the importance of process, innovation and communication. Students will become familiar with design projects ranging from traditional print, sophisticated websites, interactive digital media and motion graphics. The course will focus on developing and refining the design concept and the execution strategy. Lab fee required.

DIG2023C  Introduction to 3D Printing
Fall  3.00 Credits - 3.00 Hours

This course is an introduction to the latest emerging rapid prototyping technology, 3D printing. Using specialized software to create and export files, students will bring their digital work to life. Students will learn how to create, scan, manipulate and print three-dimensional objects. Topics include desktop 3D printing and the operation of equipment, rapid prototyping, product customization and creating new product alternatives. Literacy in basic 3D modeling, design and manufacturing is an essential skill for future STEM success and innovation. Lab fee required.

DIG2030C  Digital Video Fundamentals
Spring  3.00 Credits - 3.00 Hours

This course is an introduction to the concepts, principles, tools and techniques of producing, assembling and mixing digital video and audio. Students will understand story, creativity, planning and organizational skills as a part of the production process. Lab fee required. Prerequisite: DIG 2000.

DIG2090  Entrepreneurship for Designers
Fall, Spring  3.00 Credits - 3.00 Hours

This course provides an introduction to the commercialization of science and technology, including commercialization options, technology strategy, market analysis, product adoption likelihood, evaluating licensing opportunity, intellectual property and the market for ideas.
This course gives the student an in-depth look at character design, development, rigging and animation. Character creation will include segmented and solid model mesh of bipeds and quadrupeds. Students will examine techniques used to create facial expressions and lip sync using phonemes. Lab fee required. Prerequisite: DIG 2302C.

DIG2304 3D Environments

Spring 3.00 Credits - 3.00 Hours

This course is designed to teach an intermediate level of three-dimensional animation for digital media. Emphasis is placed on building 3D world space that tells a story. It will allow students to build upon concepts such as environments, physical motion and modeling techniques, rendering and post-production. Lab fee required. Prerequisite: DIG 2302C.

DIG2342 Motion Graphics II

Fall, Spring, Summer 3.00 Credits - 3.00 Hours

This course focuses on digital post-production used for film, animation, video, digital media and the Web. Students are challenged to integrate both technically and aesthetically, two-dimensional graphics, three-dimensional models and animations and background elements in a project-based environment. Students
will become familiar with match-moving and compositing techniques. Lab fee required. Prerequisite: DIG 2341.

DIG2351  2D Animation
Spring, Summer  3.00 Credits - 3.00 Hours

This course includes 2D tools for compositing, animation, and effects that digital media professionals, web designers, and video professionals use. Fundamentals in the design of composited layers are combined with sophisticated visuals and audio effects for animations. Students are also introduced to the use of digital assets created in object-oriented and digital imaging software. Prerequisite: DIG 2000.

DIG2500C  Fundamentals of Interactive Design
Fall, Spring  3.00 Credits - 3.00 Hours

This course covers the foundations of interactive media including user-interface design concept, optimization/performance issues, resources and tools. Students combine audio, video, imaging, animation and other media formats to construct an interactive product using industry-standard software. Lab fee required. Prerequisite: DIG 2000.

DIG2520  Digital Media Production Techniques
Fall, Spring, Summer  3.00 Credits - 3.00 Hours

This course explores the avenues of contemporary digital production. Students will learn each of the new media along with its history and connection to the worlds of art and design. This course also covers essential key concepts and techniques for image processing, digital archival, file conversion, media duplication and analyzes the computer and its peripherals to explain the different elements of a digital media studio. Lab fee required.

DIG2581  Portfolio Design
DIG2942  Cooperative Education Internship in Digital Media

Offered as Needed  2.00 Credits - 2.00 Hours

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn cooperative education credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student’s academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student’s chosen major as identified in the student’s program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

DSC1002 Introduction to Terrorism

Spring  3.00 Credits - 3.00 Hours

This course is an in-depth historical look at terrorism and its origins, types and history that will provide the student with the knowledge necessary to understand the background of yesterday and the evolution of terrorism today. Religions and nations are covered in the investigation of terrorism, its many different factions and their relationships. Discussions will explore the kinds of efforts being expanded around the world to find ways to deter or discover terrorism and find other ways to deal with it. Students will examine what the future of terrorism might be in the 21st Century.

DSC1004 National Emergency Response

Fall, Spring  3.00 Credits - 3.00 Hours

This course introduces the student to the National Response Framework (NRF) and specifies how the resources of the Federal Government will work in concert with state, local, tribal governments and the private sector to respond to incidents of national significance. The NRF is predicated on the National Incident Management System (NIMS). This course will show how NRF and NIMS provide a nationwide template for working together to prevent or respond to threats and incidents regardless of cause, size or complexity.

DIG2949  Cooperative Education Internship in Digital Media

Offered as Needed  3.00 Credits - 3.00 Hours

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn cooperative education credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student’s academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student’s chosen major as identified in the student’s program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

DSC1033 Weapons of Mass Destruction

Fall, Spring  3.00 Credits - 3.00 Hours

This course introduces the student to various types of weapons of mass destruction. The student will be introduced to basic principles of weapons of mass destruction, recognition, identification, decontamination and treatment protocols. The student will understand the importance of personal protective equipment and its proper uses and understand toxicology, physical and chemical properties associated with weapons of mass destruction.
DSC1222  Psychology Management of Weapons of Mass Destruction Victims

Fall, Spring  3.00 Credits - 3.00 Hours

This course introduces the student to a general overview of terrorism and the potential psychological effects of terrorist events on victims. The course will also provide emergency responders with appropriate skills to use at the terrorist scene to mitigate the psychological impact to the victims. The course will address the effects of terrorist events on the emergency responders themselves and offer specific techniques that the responders can use in responding to victims and other responders.

DSC1552  Critical Infrastructure Protection

Fall, Spring  3.00 Credits - 3.00 Hours

This course deals with the problem of terrorism from a criminal justice perspective. It is designed to provide the student with an understanding of the major issues associated with responding to terrorism in a democratic society. This course focuses on the threat of terrorism in the United States. This course will review strategies used to deter terrorist threats to the United States. This course will also assess the relative effectiveness of anti-terrorist activities.

DSC1562  Homeland Security Threat Strategy

Fall, Spring  3.00 Credits - 3.00 Hours

This course deals with the problems of terrorism from a criminal justice perspective. This course will provide the student with an understanding of the major issues associated with the response to terrorism in a democratic society. This course focuses on the threat of terrorism to the United States. This course will review strategies used to deter terrorist threats to the United States. This course will also assess the relative effectiveness of anti-terrorist activities.

DSC1631  Terrorism Response Planning

Fall, Spring  3.00 Credits - 3.00 Hours

This course introduces the student to various aspects of planning for potential terrorist activity. The student will be introduced to the basic principles of emergency management, communications, security threats and the effects these operations may have on personnel. The student will learn techniques for evaluating various operations for vulnerability to terrorist attacks. The student will gain knowledge of the rules and responsibilities of local agencies, federal agencies, private seaports and maritime businesses during terrorism planning and response.

DSC1751  Homeland Security and Law

Fall, Spring  3.00 Credits - 3.00 Hours

This course introduces the student to the major debates about balancing democratic freedoms with security from the Patriot Act to the U.S. Supreme Court decisions on detention powers. The course provides insight into legal strategies necessary to confront ongoing national security threats. The course examines laws designed to preserve both our security and our democratic way of life.

DSC2021  Homeland Security for Policing

Fall  3.00 Credits - 3.00 Hours

This course provides a framework for understanding the police role in homeland security. This course provides a broader understanding of how the concept of homeland security developed, what it means for the police, where within the scope of a national homeland security framework the police fit and how the police must have a broad, strategic focus for the adoption of homeland security to ensure goals and objectives are compatible. This course will present a more holistic understanding of policing for homeland security, what role the police will play in this new era and the strategic, operational and tactical considerations necessary to implement this new philosophy of policing.
* EAP0300  EAP Low Intermediate Strategies for Academic Speaking and Listening

Fall, Spring, Summer  3.00 Credits - 3.00 Hours

This course is designed for low intermediate students (non-native speakers of English) to develop the speaking and listening skills necessary for participating in classroom discussions with an emphasis on clarification through re-wording and asking questions. Additionally, an introduction to oral presentation and critical listening skills is provided.

* EAP0320  EAP Low Intermediate Reading

Fall, Spring, Summer  3.00 Credits - 3.00 Hours

This course is a low intermediate reading class for non-native speakers of English. Emphasis is placed on developing academic reading strategies with a focus on vocabulary recognition skills and identifying topic and main ideas in academic passages. Prerequisites or corequisites: EAP 0300 with grade of “C” or higher if taken as a prerequisite AND demonstrate required level of proficiency.

* EAP0385  EAP Low Intermediate Grammar/Writing

Fall, Spring, Summer  6.00 Credits - 6.00 Hours

This course is a low intermediate grammar and writing class for non-native speakers of English. Emphasis is placed on increased structure accuracy, development of vocabulary and application of logical thought processes in writing simple and compound sentences as well as short paragraphs. Prerequisites or corequisites: EAP 0300 with grade of “C” or higher if taken as a prerequisite AND demonstrate required level of proficiency.

* EAP0400  EAP Intermediate Strategies for Academic Speaking and Listening

Fall, Spring, Summer  3.00 Credits - 3.00 Hours

This course is designed for intermediate students (non-native speakers of English) to continue to develop the speaking and listening skills necessary for participating in a classroom discussion. The course includes further development in oral presentation and critical listening skills. Prerequisite: EAP 0300 with a minimum grade of "C" or higher or demonstrate required level of proficiency.

* EAP0420  EAP Intermediate Reading

Fall, Spring, Summer  3.00 Credits - 3.00 Hours

This course is an intermediate college reading class for non-native speakers of English. Emphasis is placed on recognizing a variety of textual clues (sentence connectors and transitions) to understand the meaning and organization of a text and unfamiliar vocabulary and on developing critical reading skills. Prerequisite: Demonstrate required level of proficiency or EAP 0320 with a grade of "C" or higher. Corequisite: EAP 0400 unless previously taken.

* EAP0485  EAP Intermediate Grammar/Writing

Fall, Spring, Summer  6.00 Credits - 6.00 Hours

This course is an intermediate grammar/writing class for non-native speakers of English. Emphasis is placed on the continued development of college-level vocabulary, application of linear logic used in English language writing and development of ideas in simple, compound and complex sentences and academic paragraphs. Prerequisite: EAP 0385 with a grade of “C” or higher or demonstrate required level of proficiency. Corequisite: EAP 0400 unless previously taken.

EAP1500  EAP High Intermediate/Advanced Strategies for Academic Listening

Fall, Spring, Summer  3.00 Credits - 3.00 Hours

This course is designed to provide further development of communication skills necessary for full participation in mainstream college classrooms including comprehension of extensive discourse with a focus on lecture note-taking in preparation for general education course work to high intermediate/advanced
students (non-native speakers of English). Prerequisite: EAP 0400 with grade of "C" or higher or equivalent proficiency level.

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**EAP1520**  EAP High Intermediate Reading

**Fall, Spring, Summer**  3.00 Credits - 3.00 Hours

This course is a high intermediate college reading class for non-native speakers of English. Emphasis is placed on developing advanced reading skills to locate the main idea and supporting details, distinguish between fact and opinion, make inferences and identify an author’s purpose, tone and point of view. Prerequisite: EAP 0420 with a grade of "C" or higher or equivalent proficiency level. Corequisite: EAP 1500 unless previously taken.

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**EAP1540**  EAP High Intermediate Writing

**Fall, Spring, Summer**  3.00 Credits - 3.00 Hours

This course is a high intermediate writing class for non-native speakers of English. Emphasis is placed on writing well-developed academic paragraphs and structured essays using accurate language, appropriate word choice and correct mechanics. Prerequisite: EAP 0485 with a grade of "C" or higher or demonstrated equivalent proficiency level. Corequisites: EAP 1500 and EAP 1560 unless previously taken.

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**EAP1560**  EAP High Intermediate/Advanced Grammar

**Fall, Spring, Summer**  3.00 Credits - 3.00 Hours

This course is a high intermediate/advanced grammar class designed to prepare non-native speakers of English with the linguistic skills necessary to be successful in general education classes. Emphasis is placed on developing self-editing skills and accurately using a variety of structures to express meaning. Prerequisite: EAP 0485 with a minimum grade of "C" or higher or demonstrate required level of proficiency.

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**EAP1620**  EAP Advanced Reading

**Fall, Spring, Summer**  3.00 Credits - 3.00 Hours

This course is an advanced college reading class for non-native speakers of English. Emphasis is placed on developing and practicing critical thinking skills, evaluating argument (bias) of a passage and drawing inferences and conclusions. Prerequisite: EAP 1520 with a grade of "C" or higher or equivalent proficiency level.

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**EAP1640**  EAP Advanced Writing

**Fall, Spring, Summer**  3.00 Credits - 3.00 Hours

This course is an advanced writing class for non-native speakers of English. Emphasis is placed on writing college-level essays using a variety of language to develop sophisticated ideas while employing accurate structure, appropriate word choice and correct mechanics. Prerequisite: EAP 1540 with a grade of "C" or higher or equivalent proficiency level. Corequisite: EAP 1560 unless taken previously or unless exempt.

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**ECO1000**  Basic Economics

**Fall, Spring**  3.00 Credits - 3.00 Hours

The nature of economics, production, distribution and price determination will be explored. Emphasis will be placed on practical application and policy determination. Current problems will be surveyed. The course is designed for non-business majors. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisite: Eligibility to enroll in ENC 1101 OR test scores that indicate ENC 1101 eligibility OR completion of appropriate college developmental courses for ENC 1101 with grades of “C” or higher OR completion of EAP coursework for ENC 1101 eligibility with grades of “C” or higher.

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**ECO2013**  Principles of Economics (MACRO)

**Fall, Spring, Summer**  3.00 Credits - 3.00 Hours
This is an introductory course covering the nature, scope and methods of economics, economic concepts and economic institutions. Emphasis is placed upon production, consumption, determination of prices, distribution of income, fiscal policy, national income determinants, money and banking and comparative economic systems. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. This class satisfies the General Education State Core Social Science/History requirement for AA degree seeking students. Prerequisite: Eligibility to enroll in ENC 1101 OR test scores that indicate ENC 1101 eligibility OR completion of appropriate college developmental courses for ENC 1101 with grades of “C” or higher OR completion of EAP coursework for ENC 1101 eligibility with grades of “C” or higher.

ECO2013H  Honors Principles of Economics (MACRO)

Fall, Spring, Summer 3.00 Credits - 3.00 Hours

This course deals primarily with economic problems. Emphasis is given to markets, production functions, economic role of government, agricultural problems, labor-management relations, imperfect competition, interest and capital, economic security, international trade and finance and economic development. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisite: Acceptance into Honors program. Eligibility to enroll in ENC 1101 OR test scores that indicate ENC 1101 eligibility OR completion of appropriate college developmental courses for ENC 1101 with grades of “C” or higher OR completion of EAP coursework for ENC 1101 eligibility with grades of “C” or higher.

ECO2930  Selected Studies in Economics

Offered as Needed 3.00 Credits - 3.00 Hours

In this course, topics of current interest are presented in group instruction. This course may be taken four times for credit. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisite: Eligibility to enroll in ENC 1101 OR test scores that indicate ENC 1101 eligibility OR completion of appropriate college developmental courses for ENC 1101 with grades of “C” or higher OR completion of EAP coursework for ENC 1101 eligibility with grades of “C” or higher.

ECO3223  Money and Banking
Fall 3.00 Credits - 3.00 Hours

This course provides an understanding of the role money, credit and the banking and financial systems have in the economy and how they influence economic growth. It also covers how individuals and businesses are affected by the decisions of the banking and financial systems regarding money and credit, including student loans. Students will learn the history of the financial system and how it has changed and continues to change as technology advances and globalization expands connecting economies around the world. The course will also cover how interest rates are determined by risk and time structure and how the student loan market affects students, colleges and the economy. Understanding how money, credit, banking and financial systems work helps students successfully analyze real world situations at a personal, professional and economy wide level.

ECP4530 Health Care Economics

Fall, Spring, Summer 3.00 Credits - 3.00 Hours

This course will examine the economic perspectives of health care. At the micro level, the course will examine the production, marketing, distribution, pricing and relative measures of quality of health care as it is delivered by health care agencies and programs (Medicare, Medicaid, HMOs, PPOs, etc.). Topics such as the principle-agent problem, moral hazard and information problems on the demand size will also be examined. On the supply side, managed care organizations, third-party payer systems, medical schooling and malpractice insurance will be addressed. At the macro level, topics will examine the impact of health care practices on inflation, productivity and the implications of an aging population on the national economy.

EDE2280 Arts and Wellness in Elementary Classrooms

Fall, Spring, Summer 3.00 Credits - 3.00 Hours

This course provides the prospective teacher with knowledge, skills and the dispositions to integrate arts and wellness into the elementary classroom curriculum.

EDF1002 Foundations Education DSST Examination DANTES

Offered as Needed 3.00 Credits - 0.00 Hours

Credit for this course is awarded to students with scores of 46 or higher on the DSST Examination (DANTES) in Foundations of Education.

EDF2005 Introduction to the Teaching Profession

Fall, Spring, Summer 3.00 Credits - 3.00 Hours

This is a survey course that covers the historical, sociological and philosophical foundations of education, governance and finance of education, educational policies, legal, moral and ethical issues and the professionalism of teaching. Students will be provided information on the Florida Educator Accomplished Practices and Common Core State Standards. Students are required to complete a minimum of 15 hours of field-based experience with children and youth in schools or similar settings and not via virtual modes of film or Internet. Prerequisite: ENC 1101 with a grade of “C” or higher or corequisite ENC 1101.

EDF2007 Introduction to Substitute Teaching

Fall, Spring, Summer 3.00 Credits - 3.00 Hours

This course will introduce students to key social, ethical and legal factors associated with teaching in the PK-12 school environment.

EDF2050 Measurement and Evaluation in Education

Fall, Spring, Summer 3.00 Credits - 3.00 Hours

This course examines the concepts and skills related to designing and developing classroom assessment instruments, analyzing tests and using the results to
guide instructional decision-making and to improve student learning. Pre-service and in-service teachers will learn to interpret and use standardized test results.

EDF2085  Introduction to Diversity for Educators

Fall, Spring, Summer  3.00 Credits - 3.00 Hours

Designed for the prospective educator, this course provides the opportunity to explore issues of diversity, including an understanding of the influence of exceptionalities, culture, family, gender, sexual orientation, socioeconomic status, religion, language of origin, ethnicity and age upon the educational experience. Students will explore personal attitudes toward diversity and exceptionalities. Students will be provided information on the Florida Educator Accomplished Practices and Common Core State Standards. A minimum of 15 hours of field-based experience working with diverse populations of children and youth in schools or similar settings is required. The field experience will not be via virtual modes of film or Internet. Prerequisite: ENC 1101 with a grade of "C" or higher or corequisite ENC 1101.

EDF2130  Children and Adolescent Development for Educators

Fall, Spring, Summer  3.00 Credits - 3.00 Hours

This course critically examines the developmental stages and characteristics of individuals from infancy through adolescence with application to learners in educational settings. A minimum of 8 hours of field-based experience that allows you to see developmental principles in action as you observe children from infancy through adolescence is required. Prerequisite: ENC 1101 or a non-degree plan of TEACH.

EDF2170  The Adult Learner

Fall, Spring, Summer  3.00 Credits - 3.00 Hours

This course examines the unique nature of the adult learner in higher education. Emphasis will be placed upon theories of cognitive and social learning theories in adult learning. Models and processes for course design appropriate to the adult setting will be presented. Content includes selection and design of goals, objectives and outcomes, teaching and learning activities and assessment strategies to create courses that foster learning. An overview of established training principles and practices will be provided. Learning style theory will be applied in the adult setting as well as evaluation tools for determining the success of instruction to adults. To promote students’ participation and interest, educators will learn to use games and competitions to motivate and engage students.

EDF2230  Foundations of Cooperative Learning

Fall, Spring, Summer  3.00 Credits - 3.00 Hours

This course provides an opportunity for pre-service and veteran educators to explore the use of cooperative learning strategies. Cooperative learning is an instructional method in which students interact to accomplish a specific task or project. Students will be required to work together using a variety of learning experiences to increase their understanding of implementing basic principles of cooperative learning during direct instruction, practice and assessment.

EDF2250  Introduction to Classroom Management

Fall, Spring, Summer  3.00 Credits - 3.00 Hours

This course provides pre-service and veteran educators with practical and research-based strategies to manage all students including the culturally diverse and those with special needs as well as the classroom environment. This course also discusses other topics that may impact the learning environment, including classroom arrangement, procedures and the cooperation of parents, teachers and administration.

EDF2291  Instructional Strategies

Fall, Spring, Summer  3.00 Credits - 3.00 Hours

This course examines the concepts and skills related to planning, organizing and implementing instructional
strategies and ongoing assessments that are responsive to the needs of all learners. Topics covered in this course include planning techniques, differentiated instruction and assessment strategies, effective teaching strategies, formal and informal assessment practices, safe and equitable classroom management strategies, motivational concepts and techniques to accommodate the needs of a diverse student population (ELL, culturally diverse and students with disabilities).

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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Offered</th>
<th>Credits</th>
<th>Hours</th>
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<tbody>
<tr>
<td>EDF2720</td>
<td>Children in Schools: Legal, Ethical and Safety Concerns</td>
<td>Fall, Spring, Summer</td>
<td>3.00</td>
<td>3.00 Hours</td>
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<td>This course will explore the role of education in children’s lives through the analysis of legal, ethical and safety concerns. Prerequisite: ENC 1101 or a non-degree plan of TEACH.</td>
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<td>EDF2930</td>
<td>Selected Studies in Education</td>
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<td>Selected Studies in Education</td>
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<td>Selected Studies in Education</td>
<td>Offered as Needed</td>
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<td>EDC2949</td>
<td>Cooperative Education Internship in Education</td>
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**Fall, Spring, Summer 3.00 Credits - 3.00 Hours**

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn cooperative education credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student’s academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student’s chosen major as identified in the student’s program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement, permission from the Career Development Center and ENC 1101 with a grade of "C" or higher. Corequisite: ENC 1101.

**EDP2002 Introduction to Educational Psychology**

**Summer 3.00 Credits - 3.00 Hours**

This course is an introduction to the principles and theories of psychology as applied to the process of education. Topics of study include psychological perspectives of education, learning theory and critical evaluation of the psychology of education. Prerequisite: ENC 1101 with a grade of "C" or higher or corequisite ENC 1101.

**EEC1000 Child Growth and Development**

**Fall, Spring, Summer 3.00 Credits - 3.00 Hours**

This course examines child development from conception to age eight by considering the complex interaction between heredity and environmental factors. Children's physical, social, emotional and cognitive development are discussed as well as the implications for developmentally appropriate practice. It includes the theories of Erikson, Piaget and Vygotsky. Students will be required to participate in field experience assignments in a child care setting for up to 10 hours.
Course Descriptions Listing

EEC1002  Professional Techniques in Early Childhood Education
Offered as Needed  1.00 Credit - 0.00 Hours

This course serves as articulation credit for the DCF 40 clock-hour state mandated training for all childcare providers. The course covers guidance and discipline of the young child, play as learning, computers and young children, child growth and development and rules and regulations of state requirements.

EEC1006  Montessori Philosophy of Education
Fall  3.00 Credits - 3.00 Hours

Students will be introduced to the theory of the Montessori method including evolution, relationship to Piaget, Erikson, Kohlberg, Vygotsky and others, Montessori’s definition of sensitive periods of development, the role of teacher as directress, the importance of the prepared environment and the process of normalization will be discussed so that the student will gain an appreciation of the Montessori philosophy and method of teaching.

EEC1011  Professionalism in Early Childhood Education
Fall, Spring  2.00 Credits - 2.00 Hours

This course is designed for students who are working in the childcare field and wish to complete the requirements for a DCF Florida staff credential. Students enrolled in this course will complete a portfolio to meet the requirements set by the Department of Children and Families and will be observed in their work setting. Department approval is required to enroll in this course.

EEC1523  Child Care Management
Fall, Spring, Summer  3.00 Credits - 3.00 Hours

This course will explore administrative issues relating to leadership in early childhood education, including management styles, staff development and supervision, teacher training, staff collegiality, retention and evaluation as well as collaboration with parents and community. This course meets the director credential requirements for the foundational level.

EEC1001  Observing and Recording Behavior
Fall, Spring  3.00 Credits - 3.00 Hours

This course is designed for the early childhood professional to develop basic knowledge, skills and positive dispositions needed to work in partnership with families and other professionals in order to gather data that documents the developmental progression, individual needs and progress toward learning within the classroom. An understanding of goals, benefits of documentation and other effective assessment strategies will be discussed. Up to 10 hours of observation in a childcare or VPK center is required. Prerequisites: EEC 1000 and EEC 2200.

EEC1003  Child Guidance
Spring, Summer  3.00 Credits - 3.00 Hours

This course provides child guidance and group management techniques to foster the development of self-esteem, self-control and social skills in young children. Positive reinforcement and problem resolution will be emphasized when discussing child play problems. Students will be required to participate in field experience assignments in an early childhood setting. Prerequisites: EEC 1000 and EEC 2200.

EEC1941  Early Childhood Practicum
Fall, Spring  3.00 Credits - 4.00 Hours

This course provides students with the opportunity to observe children, to gain experience working with children and to discuss what they see and learn with someone qualified to interpret behavior and to expose students to current knowledge about child development. This is a capstone course intended for the student to take the final semester. The field experience is composed of 40 clock hours conducted
in an early childhood setting. To comply with Florida State Law, Chapter 402.305 2 (a), each prospective student must be fingerprinted and undergo a FDLE Level II background screening. The cost of these procedures is the responsibility of the student. Information received is confidential and is required to determine the eligibility of the prospective student to work with children. Contact the Early Childhood Education Department for additional information about this requirement. Phone: 407 708-2413 or email: childdevelopment@seminolestate.edu. Prerequisites: EEC 1000 and EEC 1601 and EEC 2200 and EEC 2732. Corequisites: ARE 2000 and EEC 2702 and MUE 2010.

**EEC2200**  
Educational Practices in Early Childhood Education  
**Fall, Spring**  
3.00 Credits - 3.00 Hours

This course will explore developmentally appropriate practices for inclusive preschool settings. Participants will develop a framework for planning, implementation, organization and evaluation of activities in content areas such as art, math, science, music, language arts and play. The course will emphasize high-quality, developmentally appropriate practices aligned with state and national standards and guidelines. Students will be required to participate in field experience assignments in a child care setting for up to 10 hours.

**EEC2202**  
Child Care and Education Programming  
**Summer**  
3.00 Credits - 3.00 Hours

This course is a choice of two courses required at the Florida Childcare Director’s Credential advanced level. Topics include developmentally and culturally appropriate environment and curriculum professional standards, child observation, assessment, documentation and referral, health, safety and nutrition practices and alliances and families. This course may be taken for renewal of the Florida Director’s Credential.

**EEC2262**  
Curriculum Activities in Early Childhood  
**Fall, Summer**  
3.00 Credits - 3.00 Hours

Upon completion of this course, students will understand how to guide and encourage learning by ensuring that the environment is rich with materials and equipment that invite active exploration. Various curriculum approaches will be reviewed with a concentration in creating lesson plans and activities that are appropriate for children under the age of eight years of age. Students will develop a framework for planning, implementation, organization and evaluation for activities in content areas such as art, math, science, music, language arts and active play. The course will emphasize intentionality in teaching using high-quality, developmentally appropriate practices aligned with state school readiness standards. Up to 10 hours of observation in a group care setting is required.

**EEC2401**  
Families and Community  
**Fall, Spring, Summer**  
3.00 Credits - 3.00 Hours

In this course, guided readings, culturally diverse group activities and guest speakers from a variety of community resource agencies will broaden students’ horizons regarding the diverse characteristics that make up a family. Students will explore how a child’s development and learning is influenced by the family and the community where they live. The student will design and implement family involvement activities following research-based best practices. Community field experiences are integrated into the course (up to 10 hours).

**EEC2521**  
Child Care and Educational Organization Leadership and Management  
**Fall**  
3.00 Credits - 3.00 Hours

This course is designed to provide current and future child care administrators the opportunity of satisfying one of the educational requirements for the Advanced Level Child Care and Education Administrator Credential as defined by the state of Florida. It is intended to present the needed skills and information in the following areas: organizational structure and dynamics, ethics and professionalism, leadership.
personnel policies and relationships and the evaluation and retention involved in staff development.

EEC2527  Childcare Education Financial and Legal Issues

Spring  3.00 Credits - 3.00 Hours

This three-credit course is designed to satisfy one of the educational requirements for the Advanced Level Child Care and the Educational Administrator Credential as defined by the state of Florida. The goal of this course is to develop and enhance skills in legal and financial planning and on-going monitoring, budgeting and accounting, compensation and benefits, facilities and equipment, financial resources and marketing, technology and record-keeping, legal obligations, tax law, insurance and licensure, regulatory requirements and personnel law.

EEC2702  Infant Toddler Development

Fall, Spring  3.00 Credits - 3.00 Hours

This course will serve as a vehicle to deepen student knowledge of infant/toddler development by becoming familiar with play-based curriculum designed to provide caregivers with explicit ideas for creating loving, playful and stimulating experiences for young children from birth through age three. Students will be required to participate in field experience assignments in an infant toddler setting for up to 10 hours.

EEC2732  Health, Safety and Nutrition for Young Children

Fall, Spring, Summer  3.00 Credits - 3.00 Hours

This course provides a comprehensive overview of the nutrition, health and safety needs of young children. It is designed to give future and current teachers practical and easy-to-understand information that will prepare them to serve diverse young children and their families in the preschool or early elementary school setting.

EEC2930  Selected Studies in Early Childhood Education

Offered as Needed  3.00 Credits - 3.00 Hours

This course will serve as a vehicle to either deepen student knowledge of subjects addressed in Early Childhood Education introductory courses or explore issues outside the traditional curriculum. May be repeated for credit.

EEC2949  Cooperative Education Internship in Early Childhood Management

Fall, Spring, Summer  3.00 Credits - 3.00 Hours

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn cooperative education credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student’s academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student’s chosen major as identified in the student’s program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

* EER0001  Motor Control-CE

Fall, Spring  3.10 Credits - 6.00 Hours

This continuing education course is for advanced electrical personnel currently working in the profession. Topics covered in the course encompass motors, motor controls, transformers, I.O. modules, electric braking frequency drives, relays, logic devices and circuit boards.
* EER0002  DC Fundamentals

Fall, Spring 3.10 Credits - 93.00 Hours

This course examines the theories of electricity and magnetism. Students will learn and use Ohm’s Law in the calculation of various circuits. Series, parallel and series/parallel circuits will be examined. Conduction and resistance in various materials will be explained. How generators and motors operate will be examined. Prerequisite: BCA 0002.

* EER0005C Structured Cabling-CE

Fall, Spring 3.10 Credits - 6.00 Hours

This continuing education course is designed for individuals currently working in the profession seeking advanced training. In this course, students will learn what structured cabling and CCTV systems are and how to install and troubleshoot these systems. The course integrates hands-on experience working with copper and coaxial media in a lab setting. Other topics presented in the course include industry standards and code and emerging trends in premises wiring. Lab fee required.

* EER0006 Electrician Journeyman Exam Prep

Fall, Spring 2.00 Credits - 4.00 Hours

This course prepares the construction electrician (who has six years of documented field experience) for the journeyman electrician license exam. Topics covered include electrical theory, calculations required for branch circuits, feeders, motors, ranges, dryers and residential service sizing. In addition, box fill and conduit fill calculations will be covered. Extensive use of the 2011 NEC® 70 National Electrical Code will be covered as well. Entrance into this course must be approved by the Electrical/FEAT Coordinator.

* EER0052 Structured Cabling

Fall, Spring 3.10 Credits - 93.00 Hours

In this course, students will learn what structured cabling and CCTV systems are and how to install and troubleshoot them. Students get hands-on experience working with copper and coaxial media. Students will learn about standards, codes and emerging trends in premises wiring. Prerequisites: BCA 0002 and EER 0002.

* EER0212  AC Theory

Fall, Spring 3.10 Credits - 93.00 Hours

This course is an introduction to AC theory, AC circuits and single and three-phase circuits and systems. Generation of AC power, transformers and various AC motors will also be examined. Prerequisites: BCA 0002 and BCV 0643 and EER 0002.

* EER0404 Pre-Apprenticeship Residential Wiring A

Fall 6.00 Credits - 180.00 Hours

This course covers residential wiring in accordance with the National Electrical Code. Topics include blueprints, box fill, circuit locations, conductors, switches and switch control, computation of circuit loads and wire sizes for pools and spas and ground fault requirements. Prerequisites: BCA 0300 and BCA 0301.

* EER0405 Pre-Apprenticeship Residential Wiring B

Spring 6.00 Credits - 180.00 Hours

This course covers residential wiring in accordance with the National Electrical Code, computation of circuit loads, range calculations, wire sizes, service equipment, services and service entrance equipment. The course also includes types of switches and appliance circuits, special circuits for heating and air conditioning. Prerequisite: EER 0404.

* EER0434A Residential Wiring A - HS Dual Enrollment Pre-Apprenticeship
Offered as Needed 6.00 Credits - 180.00 Hours

This course covers residential wiring in accordance with the National Electrical Code - blueprints, box fill, circuit locations, conductors, switches, switch control and ground fault requirements. This pre-apprenticeship course is for Dual Enrollment students only.

* EER0441 Motor Control

Fall, Spring 3.10 Credits - 93.00 Hours

This course is for advanced electrical personnel. It will encompass motors, motor controls, transformers, I.O. modules, electric braking frequency drives, relays, logic devices and circuit boards. Prerequisites: BCA 0002 and BCV 0643 and BCV 0650 and EER 0002 and EER 0212.

* EER0940L Electrical OJT

Summer 21.33 Credits - 640.00 Hours

This application-based course encompasses actual on-the-job training performance and proficiency of all electrical trade skills. This course may be repeated up to four times.

EET1035C Fundamentals of AC/DC Electricity

Fall, Spring 4.00 Credits - 4.00 Hours

This is an introductory course in basic electricity intended for the engineering technology programs. It consists of the concepts, laws and definitions encountered in AC and DC electric circuits.

EET2930C Selected Studies in Engineering Technology

Offered as Needed 3.00 Credits - 3.00 Hours

In this course, topics of current interest are presented in group instruction. Lab fee required.

EET3085C Electricity and Electronics

Fall 3.00 Credits - 3.00 Hours

This course for electrical and non-electrical students provides a background in electrical principles, circuits, components and applications. Advanced topics include the following: direct current and voltage, resistance, ohms law, power energy and efficiency, series parallel and associated networks, oscilloscopes, capacitors, inductors, time constraints, sinusoidal AC, effective average peak values, phasors, complex numbers, series and parallel AC networks, AC theorems and maximum power transfer.

EEX2010 Introduction to Exceptional Learners (K-12)

Fall 3.00 Credits - 3.00 Hours

This course provides an overview of the characteristics and needs of exceptional learners in the K-12 classroom. Specific attention will be given to accommodating their needs in the regular classroom environment.

EEX2013 Inclusion and Special Needs in Early Childhood Education

Fall, Summer 3.00 Credits - 3.00 Hours

This course will focus on children with special needs in early childhood settings. Based on a developmental perspective, course content includes the various areas of exceptionality in terms of causes, characteristics and general intervention, strategies for adapting the learning environment, modifying instruction and making curriculum accessible to all children through inclusion of those with special needs. Attention will be given to state and federal legislation, the referral process, community resources and effective ways to work with families. Note: This course was formerly listed as EEX 2010 and is the required course for Early Childhood Education students. This course is not intended for students pursuing K-12.
EEX2758 Enhancing Family Involvement in Education

Fall, Spring, Summer 2.00 Credits - 2.00 Hours

This course is a study of the theory, research and best practices as they relate to the family-professional partnerships in both general and exceptional student education. Prerequisite: ENC 1101 or a non-degree plan of TEACH.

EGN1007 Engineering Concepts and Methods

Fall, Spring, Summer 1.00 Credit - 2.00 Hours

This course is an introduction to computer software applications involving engineering spreadsheets (Excel) and symbolic processing (MATLAB) in order to solve a variety of engineering-related problems. Prerequisite: MAC 1105 or higher level mathematics course or MTB 1329.

EGN1111C Engineering Graphics - Drawing

Fall, Spring, Summer 3.00 Credits - 3.00 Hours

This course is an introduction to the techniques of drawing for three-dimensional spatial relationships, visualization, sketching and graphical presentation. Engineering drawing, descriptive geometry and graphical solution techniques using both manual and computer methods will be emphasized. Lab fee required.

EGN2312 Engineering Analysis - Statics

Fall, Spring 3.00 Credits - 3.00 Hours

In this course, the fundamental concepts of building structures (structural mechanics) are introduced and studied. Prerequisites: MAC 2311 and PHY 2048C. Corequisite: MAC 2312.

EGN2322 Engineering Analysis Dynamics

Fall, Spring 3.00 Credits - 3.00 Hours

In this course, kinematics and kinetics of particles and rigid bodies, mass and acceleration, work and energy, impulse and momentum will be covered. Prerequisites: EGN 2312 and MAC 2312. Corequisite: MAC 2313.

EGN2440 Probability Statistics for Engineers

Fall, Spring 3.00 Credits - 3.00 Hours

This course focuses on axioms of probability, combinational and geometrical probability, probability distributions, measures of location and dispersion, sampling and sampling distributions, estimations and tests of hypotheses and engineering applications. Prerequisite: MAC 2312.

EGN2610 Engineering Economic Analysis

Fall, Spring 3.00 Credits - 3.00 Hours

This course focuses on the economic evaluation of engineering alternatives and design, time value of money and economic impact of taxes, risk and depreciation. Prerequisite: MAC 2311.

EGS1006 Introduction to the Engineering Profession

Fall, Spring, Summer 1.00 Credit - 2.00 Hours

This course will introduce the student to the role of the engineer as a creative design professional. Emphasis will be on understanding the creative process and the factors that influence it. The student will participate in engineering orientation and make case studies of selected engineering fields.

EGS2930 Selected Studies in Engineering

Offered as Needed 3.00 Credits - 3.00 Hours

In this course, topics of current interest are presented in group instruction. Lab fee required.
EGS2931  Selected Studies in Engineering

Offered as Needed  1.00 Credit - 2.00 Hours

In this course, topics of current interest are presented in group instruction. Lab fee required.

EGS2949  Cooperative Education Internship in Engineering

Fall, Spring, Summer  3.00 Credits - 3.00 Hours

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn cooperative education credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student’s academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student’s chosen major as identified in the student’s program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

EMA4003  Introduction to Materials Science

Fall, Spring, Summer  3.00 Credits - 3.00 Hours

This course is an introduction to the main families of materials and the principles behind their design, selection, development and behavior, including the relationship of their properties to structure and processing. Prerequisite: CHM 3080.

EME2004  Introduction to Project Management

Fall, Spring, Summer  3.00 Credits - 3.00 Hours

This course provides practical knowledge of project management as related to instructional design projects. Project management processes examined include all aspects required for the instructional design life cycle, including project initiation, planning, execution and closeout. Evaluation of project management knowledge and processes enables students to replicate the learning to their own real world course development.

EME2040  Introduction to Technology for Educators

Fall, Spring, Summer  3.00 Credits - 3.00 Hours

This course covers the application of instructional design principles for the use of technology to enhance the quality of teaching and learning in the classroom. The course includes hands-on experience with educational media, emerging technologies and hardware, software and peripheral for the personal computer as well as data-driven decision-making processes. Identification of appropriate software for classroom applications, classroom procedures for integrating technologies with emphasis on legal and ethical use and effective instructional strategies for teachers and students with regard to research, analysis and demonstration of technology will be covered. Students will be provided with an overview of the Florida Educator Accomplished Practices, Common Core State Standards and the National Educational Technology Standards.

EME2041  Introduction to Instructional Technologies

Fall, Spring, Summer  3.00 Credits - 3.00 Hours

This course is designed to provide students with an introduction to the field of instructional technology with an emphasis on using and integrating technology to improve the teaching and learning process. Emphasis is placed on the elements and applications of multimedia programs for use by students and teachers in K-12 and higher education as well as instructional designers in business and industry settings. Students will learn to analyze and evaluate enterprise systems for instruction such as authoring tools, learning management systems, content repositories and media. Students will investigate
innovative and effective technological advances and practices for use in teaching and learning.

**EME2450  Introduction to Distance Education**

**Fall, Spring, Summer  3.00 Credits - 3.00 Hours**

This course examines instruction and how it is effectively delivered online. Students will explore technologies, processes and products of distance education with emphasis on eLearning. Students will learn practical applications of instructional theories related to virtual and online participatory learning environments. Planning and project management for developing online learning materials and facilitating online classes will be covered. Designed for K-12 and higher education instructors and administrators as well as trainers and instructional designers from other professional settings. The course focuses on the interpretation and application of theory, research and standards-based effective practice to the design, development, facilitation and evaluation of distance education experiences.

**EME2470  Teaching and Learning in the Connected Age**

**Fall, Spring, Summer  3.00 Credits - 3.00 Hours**

This course covers the application of instructional principles for the effective use of social media tools to enhance the quality of teaching and learning online and in the classroom. This course focuses on best practices for informal learning in relation to various social media forms and addresses how mass media has been used in learning settings to convey information and promote understanding and change. The course includes hands-on experience with social media tools, emerging trends and best practices for using social media in the educational environment. Identification of appropriate social media tools for classroom applications, classroom procedures for integrating technologies with emphasis on legal and ethical use and effective instructional strategies for teachers and students with regard to social media will be covered. Students will use a variety of social software and Web 2.0 applications.

**EME2670  Introduction to Instructional Design**

**Fall, Spring, Summer  3.00 Credits - 3.00 Hours**

This course focuses on the application of instructional design principles to the development of instruction. Topics include contemporary issues and trends in instructional design, requirements for instruction, task and needs analysis, learning situations and instructional models, learner characteristics and assessing instructional outcomes. Students will plan and create online instructional materials using the instructional design process.

**EME2905  Directed Studies in Educational Technology**

**Offered as Needed  1.00 Credit - 3.00 Hours**

This course is scheduled for individual students who wish to explore topics not covered in the curriculum. The student and instructor will design a course of study (learning contract). Approval from the dean is required prior to registration. This course may be taken three times for credit.

**EML1804  Introduction to Mechatronics**

**Fall, Spring, Summer  3.00 Credits - 3.00 Hours**

In this course, students will learn about the discrete microprocessor control of mechatronics dynamic systems using state-space representation, digital controllers and design for mechatronic applications. Students design, build, program and test a robot.

**EMS0065  CPR for EMS Students**

**Fall, Spring, Summer  0.20 Credits - 6.00 Hours**

This six-hour course is designed to provide the student with training in adult, child and infant Cardiopulmonary Resuscitation (CPR). Included in this course is training in the Automated External Defibrillator (AED) and various barrier devices. A practical evaluation is required for American Heart Association (AHA) certification. This course is required
for all students applying for the EMT and Paramedic programs who are not currently certified in CPR.

EMS1119    Emergency Medical Technician

Fall, Spring, Summer    7.00 Credits - 8.40 Hours

This lecture course is designed to prepare the student for a career in the Emergency Medical Services (EMS) field as an Emergency Medical Technician in accordance with the Department of Transportation National EMT curriculum. The student will understand the role of an EMT within the EMS system. The course includes information on the EMS system, legal aspects of EMS, applied anatomy and physiology, communicable diseases, medical emergencies, trauma emergencies, communications, blood-borne pathogens and employability skills. Lab fee required.

EMS1119L    EMT Laboratory

Fall, Spring, Summer    3.00 Credits - 5.60 Hours

This laboratory course is designed to prepare the student for a career in the Emergency Medical Services (EMS) field as an Emergency Medical Technician in accordance with the Department of Transportation National EMT curriculum. The student will be able to perform various EMT skills such as patient assessment, airway management, cardiac-arrest management, cervical immobilization, bandaging, extremity immobilization, stretcher handling, IV set-up and ECG monitor set-ups. Lab fee required.

EMS1335    Emergency Vehicle Operations

Fall, Spring, Summer    1.00 Credit - 1.00 Hour

This course is designed to meet Florida state (Florida Statute 401.281, 316.003 (1) F.S.) and Florida Administrative Code 64J-1.013 requirements for safe emergency vehicle operations. This 16-hour class combines both didactic and practical (driver training) aspects of instruction in preparation for emergency vehicle operations.

EMS1431    EMT Clinical

Fall, Spring, Summer    2.00 Credits - 2.60 Hours

This clinical practice course is designed to prepare the student for a career in the Emergency Medical Services (EMS) field as an Emergency Medical Technician in accordance with the Department of Transportation's National EMT curriculum and the State of Florida's Bureau of Emergency Medical Services. The student will perform various EMT skills in hospital and field settings. The student will attend 48 hours in an emergency department and 48 hours with a local fire department. All EMS students must submit to a National Criminal Background check. Students must not have been convicted of a crime as listed in the EMS student handbook available in the EMS department. Successful completion of EMS 1431, EMS 1119 and EMS 1119L with an overall grade of 80 percent (C) in each course will allow the student eligibility to complete the National Registry certification examination and the Florida EMT certification. EMS 1431 must be completed during the same term as EMS 1119 and EMS 1119L. Lab fee required.

EMS2603    Paramedic I

Fall, Spring    4.00 Credits - 7.00 Hours

This course presents the objectives contained in the 2009 U.S. Department of Transportation National EMS Education Standards for Paramedic. This course stresses theory and procedures used by a comprehensive emergency medical system in advanced pre-hospital care of the emergency patient. Topics studied include roles and responsibilities, medical legal issues, well-being of the paramedic, illness and injury prevention, ethics, medical terminology review, patient assessment, airway management, venous access and medication administration, therapeutic communications, life span development, pathophysiology, management of shock and general pharmacology. Course must be completed with a grade of "C" (80 percent grade average) or higher to continue in the Paramedic program. This course may be repeated one time. Permission of EMS program manager is required. This course is offered in
the Fall and Spring terms. Prerequisite: Emergency Medical Technician State certification (EMT).
Prerequisite or corequisite: EMS 2666 with minimum grade of "C" if completed as a prerequisite. Corequisite: EMS 2603L.

EMS2603L Paramedic I Laboratory

Fall, Spring 4.00 Credits - 7.00 Hours

This course presents the objectives contained in the 2009 U.S. Department of Transportation National EMS Education Standards for Paramedic. This course stresses theory and procedures used by a comprehensive emergency medical system in advanced pre-hospital care of the emergency patient. Topics studied include illness and injury prevention, medical terminology review, patient assessment, airway management, venous access and medication administration, therapeutic communications, management of shock and general pharmacology. Course must be completed with a grade of "C" (80 percent grade average) or higher to continue in the Paramedic program. This course may be repeated one time. Permission of EMS program manager is required. This course is offered in the Fall and Spring terms. Lab fee required. Prerequisite: Emergency Medical Technician State Certification (EMT). Corequisites: EMS 2603 and EMS 2666.

EMS2604 Paramedic II

Spring, Summer 4.00 Credits - 7.00 Hours

This course presents the objectives contained in the 2009 U.S. Department of Transportation National EMS Education Standards for Paramedic. This course stresses theory and procedures used by a comprehensive emergency medical system in advanced pre-hospital care of the emergency patient. Topics studied include the following medical emergencies: cardiology, pulmonary, neurology, endocrinology, allergies, gastroenterology, renal, toxicology, hematology, environmental conditions, communicable diseases, gynecology, obstetrics and psychiatric emergencies. The following trauma emergencies include burns, spinal, thoracic, abdominal, musculoskeletal, head, facial, soft tissue hemorrhage and shock. Course must be completed with a grade of "C" (80 percent grade average) or higher to continue in the Paramedic program. This course may be repeated one time. Permission of EMS program manager is required. This course is offered in the Spring and Summer terms. Lab fee required. Prerequisites: EMS 2603 and EMS 2603L and EMS 2666 with grades of "C" or higher. Corequisites: EMS 2604L and EMS 2647 and EMS 2667.

EMS2605 Paramedic III

Fall, Summer 4.00 Credits - 7.00 Hours

This course presents the objectives contained in the 2009 U.S. Department of Transportation National EMS Education Standards for Paramedic. This course
stresses theory and procedures used by a comprehensive emergency medical system in advanced pre-hospital care of the emergency patient. Topics studied include the following: neonatology, pediatrics, geriatrics, abuse and assault, patients with special challenges, acute interventions for the chronic care patient, assessment based management, ambulance operations, medical incident command, rescue awareness and operations, hazardous materials incidents and crime scene awareness. Course must be completed with a grade of "C" (80 percent grade average) or higher to continue in the Paramedic program. This course may be repeated one time. Permission of EMS program manager is required. This course is offered in the Fall and Summer terms. Lab fee required. Prerequisites: EMS 2604 and EMS 2604L and EMS 2647 and EMS 2667 with grades of "C" or higher. Corequisites: EMS 2605L and EMS 2659 and EMS 2668.

EMS2605L  Paramedic III Laboratory

Fall, Summer 4.00 Credits - 7.00 Hours

This course presents the objectives contained in the 2009 U.S. Department of Transportation National EMS Education Standards for Paramedic. This course stresses theory and procedures used by a comprehensive emergency medical system in advanced pre-hospital care of the emergency patient. Topics studied include the following: emergency treatment techniques for neonatology, pediatrics, geriatrics, abuse and assault, patients with special challenges, acute interventions for the chronic care patient, assessment-based management, ambulance operations, medical incident command, rescue awareness and operations, hazardous materials incidents and crime scene awareness. Course must be completed with a grade of "C" (80 percent grade average) or higher to continue in the Paramedic program. This course may be repeated one time. Permission of EMS program manager is required. This course is offered in the Fall and Summer terms. Lab fee required. Prerequisites: EMS 2604 and EMS 2604L and EMS 2647 and EMS 2667 with grades of "C" or higher. Corequisites: EMS 2605L and EMS 2659 and EMS 2668.

EMS2647  Advanced Airway Management

Spring, Summer 1.00 Credit - 1.00 Hour

This course presents the objectives contained in the 2009 U.S. Department of Transportation National EMS Education Standards for Paramedic for advanced airway techniques and the anesthesia rotation. This course stresses theory and procedures used by a comprehensive emergency medical system in advanced pre-hospital care of the emergency patient, focusing on advanced airway techniques. This course is a combination of classroom work, laboratory exercises and an anesthesia rotation. Students will be allowed to practice advanced endotracheal intubation patient care and the course offers the students opportunities to demonstrate competency in the skills learned in the Paramedic II Laboratory. Students will be assigned to a specific operating room to perform endotracheal intubation under the direct supervision of an anesthesiologist. Course must be completed with a grade of “C” (80 percent grade average) or higher to continue in the Paramedic program. All Paramedic students must submit to a National Criminal Background check prior to beginning any clinical rotations. Students must not have been convicted of a crime as listed in the EMS student handbook available in the EMS department. This course may be repeated one time. Permission of the EMS Program Manager is required to repeat the course. This course is offered in the Spring and Summer terms. This is one component (course) of a limited-access program. Lab fee required. Prerequisites: EMS 2603 and EMS 2603L and EMS 2666. Corequisites: EMS 2604 and EMS 2604L and EMS 2667.

EMS2659  Paramedic Field Internship

Fall, Summer 4.00 Credits - 9.60 Hours

This course presents the objectives contained in the 2009 U.S. Department of Transportation National EMS Education Standards for Paramedic. This course allows students to correlate all of the didactic background in the paramedic course with advanced patient care and offers the students opportunities to demonstrate competency in the skills learned in all of the Paramedic Laboratories. Students will be assigned to specific fire
departments to complete 192 hours of field ride time. Students will perform various emergency medical modalities and procedures under the direct supervision of a paramedic preceptor. This course will focus on all treatment modalities as final preparation for the state certification examination and a career as a paramedic. Course must be completed with a grade of "C" (80 percent grade average) or higher to continue in the Paramedic program. All Paramedic students must submit to a National Criminal Background check prior to beginning any clinical rotations. Students must not have been convicted of a crime as listed in the EMS student handbook available in the EMS department. This course may be repeated one time. Permission of the EMS Program Manager is required to repeat the course. This course is offered in the Fall and Summer terms. This is one component (course) of a limited-access program. Lab fee required. Prerequisite: Must be Emergency Medical Technician State Certified as verified by the department. Corequisites: EMS 2603 and EMS 2603L.

EMS2667 Paramedic II Clinical

Spring, Summer 4.00 Credits - 9.00 Hours

This course presents the objectives contained in the 2009 U.S. Department of Transportation National EMS Education Standards for Paramedic. This course stresses theory and procedures used by a comprehensive emergency medical system in advanced pre-hospital care of the emergency patient. This course allows students to correlate didactic background with basic patient care and offers the student opportunities to demonstrate competency in the skills learned in the Paramedic II Laboratory. Students are assigned to specific agencies to perform various emergency medical modalities and procedures under the direct supervision of a paramedic, nurse or physician. Course must be completed with a grade of "C" (80 percent grade average) or higher to continue in the Paramedic program. All Paramedic students must submit to a National Criminal Background check prior to beginning any clinical rotations. Students must not have been convicted of a crime as listed in the EMS student handbook available in the EMS department. This course may be repeated one time. Permission of the EMS Program Manager is required to repeat the course. This course is offered in the Spring and Summer terms. This is one component (course) of a limited-access program. Lab fee required. Prerequisites: EMS 2603 and EMS 2603L and EMS 2666. Corequisites: EMS 2605 and EMS 2605L and EMS 2668.

EMS2668 Paramedic III Clinical

Fall, Summer 2.00 Credits - 5.00 Hours

This course presents the objectives contained in the 2009 U.S. Department of Transportation National EMS Education Standards for Paramedic. This course stresses theory and procedures used by a comprehensive emergency medical system in advanced pre-hospital care of the emergency patient.
This course allows students to correlate didactic background with basic patient care and offers the student opportunities to demonstrate competency in the skills learned in the Paramedic II and III Laboratories. Students are assigned to specific agencies to perform various emergency medical modalities and procedures under the direct supervision of a paramedic, nurse or physician. Course must be completed with a grade of "C" (80 percent grade average) or higher to continue in the Paramedic program. All Paramedic students must submit to a National Criminal Background check prior to beginning any clinical rotations. Students must not have been convicted of a crime as listed in the EMS student handbook available in the EMS department. This course may be repeated one time. Permission of the EMS Program Manager is required to repeat the course. This course is offered in the Summer and Fall terms. This is one component (course) of a limited-access program. Lab fee required. Prerequisites: EMS 2604 and EMS 2604L and EMS 2647 and EMS 2667 with grades of "C" or higher. Corequisites: EMS 2605 and EMS 2605L and EMS 2659.

EMS2931 Selected Studies In Emergency Medical Services

Fall, Spring, Summer 1.00 Credit - 1.00 Hour

This course allows the student to obtain experience in a variety of settings in Emergency Medical Services with an emphasis on strong affective skills. Students may obtain experience by participating in one or more of the following experiences: mock disaster drill, simulations, volunteering at a hospital or nursing home, completing an internship with an EMS provider or any agreed upon project by the EMS Program Manager. This course may be completed twice with a grade of "C" or higher to meet the requirements of the Associate Degree in Emergency Medical Services.

EMS4112 Introduction to Community Paramedic

Fall, Spring, Summer 3.00 Credits - 3.00 Hours

This course provides the history and theoretical foundations of community paramedicine in North America. This course will examine the U.S. Healthcare system, communications, legal and ethical responsibilities.

EMS4113C Mobile Integrative Healthcare Delivery I

Fall, Spring, Summer 3.00 Credits - 3.00 Hours

This course develops cognitive, affective, and psychomotor skills and knowledge of the Community Paramedic. Topics include community assessment, wellness and prevention, including outreach programs and community resources. Patient assessment, primary care of chronic disease as well as mental health assessments will be examined. Skills Lab required.

EMS4114C Mobile Integrative Healthcare Delivery II

Fall, Spring, Summer 3.00 Credits - 3.00 Hours

This is a continuation of the concepts and theories that were presented in Mobile Integrated Healthcare Delivery I. Prerequisite: EMS 4113C with a grade of "C" or higher.

* ENC0015C Developmental Writing I

Fall, Spring, Summer 4.00 Credits - 4.00 Hours

This is a skills course in written standard American English usage. The focus of this course is to build writing skills and command of standard written English, including grammar, usage and mechanics. Credit is not applicable toward A.A. or A.S. degrees. Prerequisite: Placement test score mandates placement.
* ENC0017  Developmental Reading/Writing
Combined

Fall, Spring, Summer  4.00 Credits - 4.00 Hours

This four-credit-hour course emphasizes basic rhetorical principles needed for college-level reading and writing, particularly the development of critical reading skills, analytical skills and essay development. The major focus is on preparing students to be successful in college-level English and all courses requiring reading and writing skills. Due to the accelerated pace of this course, students are expected to spend extra time studying, doing homework and/or completing exercises in the Academic Success Center.

* ENC0022  Developmental Writing

Fall, Spring, Summer  4.00 Credits - 4.00 Hours

The focus of this course is to build writing skills, support written arguments and demonstrate command of standard written English, including grammar, usage and mechanics. Credit is not applicable toward A.A. or A.S. degrees. This course may be repeated. Prerequisite: Sufficient score on placement test or ENC 0015C with a grade of "C" or higher or equivalent.

* ENC0025C  Developmental Writing II

Fall, Spring, Summer  4.00 Credits - 4.00 Hours

The focus of this course is to build writing skills, support written arguments and demonstrate command of standard written English. Credit is not applicable toward A.A. or A.S. degrees. Prerequisite: ENC 0015C with a grade of "C" or higher.

* ENC0055  Developmental Writing Module

Fall, Spring, Summer  1.00 Credit - 1.00 Hour

This course allows students to complete modularized assignments to work on specific writing deficiencies. Prerequisite: Sufficient score on placement test or ENC 0015C with a grade of "C" or higher or equivalent.

ENC1101  English I

Fall, Spring, Summer  3.00 Credits - 3.00 Hours

This is a course in the process of expository writing. Students will read essays and compose papers that are unified, organized, logically developed and supported, clearly stated and well-focused. Research techniques are introduced and incorporated into at least one composition. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Students must pass the core assignments with a grade of "C" or higher. This class satisfies the General Education State Core Communications requirement for AA degree seeking students. Prerequisite: Test scores that indicate ENC 1101 eligibility or completion of appropriate college developmental courses for ENC 1101 eligibility with grades of "C" or higher or completion of EAP coursework for ENC 1101 eligibility with grades of "C" or higher.

ENC1101H  Honors English I

Fall  3.00 Credits - 3.00 Hours

This is a course in the process of expository writing. Students will read essays and compose papers that are unified, organized, logically developed and supported, clearly stated and well-focused. Research techniques are introduced and incorporated into at least one composition. Some assignments may be coordinated with other Honors courses. Students must pass the core assignments with a grade of "C" or higher. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Honors level content. Permission required from Honors coordinator. This class satisfies the General Education State Core Communications requirement for AA degree seeking students. Prerequisite: Acceptance into Honors program.

ENC1101L  English I Laboratory
Fall, Spring, Summer  

This laboratory course is designed to support students’ English composition skills.

ENC1102  

English II

Fall, Spring, Summer  

In this course, students develop the ability to read literary texts critically, to think logically and creatively and to write and research effectively. Students must pass the core assignments with a grade of “C” or higher. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisite: ENC 1101 with a grade of “C” or higher.

ENC1102H  

Honors English II

Spring  

This is a course designed to develop the student’s ability to read literary and interdisciplinary texts critically, to think logically and creatively and to write and research effectively. Some assignments may be coordinated with other Honors courses. Students must pass the department’s core assignments for ENC 1102H with a grade of “C” or higher. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisite: ENC 1101 with a grade of “C” or higher.

ENC1141  

English Language A: Literature IB

Offered as Needed  

Credit for this course is granted for students with passing scores of A, B, C, D and E on the Cambridge AICE (A-Level) examination in English.

ENC1210  

Technical Writing

Fall, Spring  

This course is a study of and practice in various forms of technical writing such as complete formal reports, letters of application, resumes, articles or technical essays and oral presentations. Emphasis is on the grasp of scientific and technical ideas and effective verbal presentation of these ideas. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisite: ENC 1101.

ENC2160H  

Honors Nature Writing

Spring  

In this course, students will explore different approaches to writing about the natural world and discuss issues raised by such writing. Prerequisites: ENC 1101 or ENC 1101H with a grade of “C” or higher and acceptance into the Honors program.

ENC2444  

Dramaturgical Studies

Fall, Spring  

In this course, students will prepare essays for the programs of shows Seminole State College produces that discuss the historical nature of the show or explain the artistic choices made in the production; work on the development of outreach sources/teachable units for local schools to use in support of attending a show and eventually support the use of
such resources; read new drama and analyze the how "produce-able" a show would be for Seminole State College's resources and write an analysis report of their findings. Prerequisite: ENC 1101.

ENC2444H  Honors Dramaturgical Studies

Fall, Spring  3.00 Credits - 3.00 Hours

In this course, students will prepare essays for the programs of shows Seminole State College produces that discuss the historical nature of the show or explain the artistic choices made in the production; work on the development of outreach sources/teachable units for local schools to use in support of attending a show and eventually support the use of such resources; read new drama and analyze the how "produce-able" a show would be for Seminole State College's resources and write an analysis report of their findings. Prerequisites: Acceptance into Honors program and ENC 1101 or ENC 1101H.

ENC2931  Selected Studies in English

Spring  1.00 Credit - 1.00 Hour

This course is scheduled for individual students who wish to explore topics not covered in the curriculum. The student must present a design of the study (learning contract) to the faculty member who is to direct the work. Approval from the dean is required prior to registration. This course must be completed with a grade of "C" or higher. This course partially satisfies the writing requirement of S.B.E. 6A-10.030 and may be used to partially satisfy the General Education Communications requirement.

ENC3213  Technical and Business Writing

Offered as Needed  3.00 Credits - 3.00 Hours

This course prepares students to write professionally in support of management objectives. Students will analyze real-world scenarios to determine how and why a document serves its purpose in the workplace, discover the role of document design and learn how to respond effectively to the needs of clients and colleagues. The assignments, geared to both general and specialist audiences, provide practice in such essential career skills as problem-solving, time management and oral presentations. Proofreading skills are stressed.

ENG2100  The Art of Film

Fall, Spring  3.00 Credits - 3.00 Hours

This course is designed to help students become more active, critical viewers of films and to be able to communicate that understanding in writing. Like written forms of literature, movies are texts that can be analyzed and interpreted. Students will view a number of films from different time periods, genres and artistic approaches. Lectures will concentrate on the narrative and stylistic elements used by film makers. This course partially satisfies the writing requirement of S.B.E. 6A-10.030 and the Humanities Area B General Education requirement. Prerequisite: ENC 1101 with a grade of “C” or higher.

ENG2103  World Cinema

Fall, Spring  3.00 Credits - 3.00 Hours

This is a survey course designed to introduce students to the cinematic arts of a particular national cinema and to encourage them to think globally. Emphasis will be given to internationally recognized filmmakers of foreign cinemas and their recent new directors. Students will watch and analyze numerous films. They will study the aesthetics of film language as well as the social and cultural conditions that produce the cinema. The course will encourage student understanding of the intellectual, spiritual and moral issues that unite people despite differences in time, place, language and culture. Specific film content may vary from term to term. This course partially satisfies the writing requirement of S.B.E. 6A-10.030 and the Humanities Area B General Education requirement. Prerequisite: ENC 1101 with a grade of “C” or higher.
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<td>Survey of British Literature</td>
<td>Offered as Needed</td>
<td>3.00</td>
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<tr>
<td>ENL2012</td>
<td>British Literature I</td>
<td>Fall</td>
<td>3.00</td>
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<td>ENL2022</td>
<td>British Literature II</td>
<td>Spring</td>
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<tr>
<td>ENL2950</td>
<td>Travel Study in British Literature</td>
<td>Offered as Needed</td>
<td>3.00</td>
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</tbody>
</table>

### ENL1000 Survey of British Literature

Offered as Needed. 3.00 Credits - 3.00 Hours

In this course, topics of current interest are presented in group instruction.

### ENL2012 British Literature I

Fall. 3.00 Credits - 3.00 Hours

This course is a survey of the development of British literature from Anglo-Saxon times through the eighteenth century with attention to the historical background, the continuity of essential traditions and the characteristic temper of successive periods. Major emphasis is on the Old English, Middle English and Renaissance periods. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisite: ENC 1102 with a grade of "C" or higher or permission of instructor or dean.

### ENL2022 British Literature II

Spring. 3.00 Credits - 3.00 Hours

British Literature II emphasizes the relevance of Romanticism, Victorianism and the first half of the twentieth century to contemporary thought. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisite: ENC 1102 with a grade of "C" or higher or permission of instructor or dean.

### ENL2950 Travel Study in British Literature

Offered as Needed. 3.00 Credits - 3.00 Hours

This is a travel/study course combining preparation on campus, foreign travel and study abroad in the discipline of British literature. Variable content depending on the program in which the student enrolls and the specific topics to be covered. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Students must be 18 years of age on or before departure. Permission of instructor or dean is required. Prerequisite or corequisite: ENC 1101.

### ENT2172 Opportunity Analysis and Franchising

Fall, Spring, Summer. 3.00 Credits - 3.00 Hours

This course covers the analysis and evaluation of entrepreneurial opportunities and franchising. Upon successful completion of the course, the student will be able to assess the current economic, social and political climate for small businesses. In addition, the student will be able to explain how demographic, technological and social changes create opportunities for small business ventures. The student will be able to discuss the advantages and disadvantages of franchises and be able to evaluate franchise opportunities. Prerequisite: GEB 1011.

### ENT2931 Selected Studies in Entrepreneurship

Fall, Spring, Summer. 1.00 Credit - 1.00 Hour

In this course, topics of current interest are presented in group instruction.

### ENT3183 Commercializing New Technologies

Fall, Spring, Summer. 3.00 Credits - 3.00 Hours

This course is focused on understanding business practices that are involved with intellectual properties or patentable technologies. These unique businesses frequently present characteristics and growth challenges significantly different from mainstream non-technical businesses. A practical understanding of these distinctions is critical to technology commercialization. Prerequisite: BUL 3130.
ENT4113 Entrepreneurship: New Business Development

Fall, Spring, Summer 3.00 Credits - 3.00 Hours

This course is intended for students interested in starting or growing a small business. Students will analyze atypical business scenarios and apply critical thinking and generally accepted business development principles to identify appropriate growth strategies. Prerequisites: MAN 3025, FIN 3403, MAR 3023.

EPI0001 Classroom Management Module 1A

Fall, Spring, Summer 3.00 Credits - 3.00 Hours

This module prepares participants to set up a classroom, establish policies and procedures, create lesson plans integrated with Sunshine State Standards, develop and administer various forms of assessment, establish and maintain best practices in parental and professional relationships and hone the craft of effective instruction. It will also focus on the ethical and legal obligations of the teaching profession. Participants will also build a developmental assessment and professional portfolio demonstrating mastery of competencies. Prerequisite: Students must be admitted into EDPREP program plan.

EPI0002 Instructional Strategies Module 1B

Fall, Spring, Summer 3.00 Credits - 3.00 Hours

This module prepares participants to set up a classroom, establish policies and procedures, create lesson plans integrated with the Sunshine State Standards, develop and administer various forms of assessment, establish and maintain best practices in parental and professional relationships and develop assessment and professional portfolios demonstrating mastery of competencies. Prerequisite: Students must be admitted into EDPREP program plan.

EPI0003 Instructional Strategies: Technology Module 1C

Fall, Spring, Summer 3.00 Credits - 3.00 Hours

This module introduces teachers to the technologies available for classroom instruction and activities. Technologies covered include production, multimedia, communication and reference materials. The module will also address the legal and ethical issues associated with these technologies. This module is also a continuation of the course description in Modules 1A and 1B. Lab fee required. Prerequisite: Students must be admitted into EDPREP program plan.

EPI0004 Instructional Strategies: The Teaching and Learning Process Module 1D

Fall, Spring, Summer 3.00 Credits - 3.00 Hours

This module is designed to help teachers understand the teaching-learning process. This module is a continuation of the course description in Modules 1A, 1B and 1C. Prerequisite: Students must be admitted into EDPREP program plan.

EPI0005 Methods of Teaching English to Speakers of Other Languages (ESOL)

Fall, Spring, Summer 3.00 Credits - 3.00 Hours

This course provides educators with the necessary skills to determine appropriate instructional methods and strategies for teaching English language learners. Educators will use their knowledge of current first and second languages acquisition to plan and deliver appropriate, effective instruction.

EPI0006 Testing and Evaluation of ESOL

Fall, Spring, Summer 3.00 Credits - 3.00 Hours

This course prepares participants to appropriately evaluate instructional outcomes while recognizing the effects of the English language learner’s language proficiency and culture. Educators will be able to select and use formal/informal methods of assessment for the English language learner in order to make informed decisions about instruction.
EPI0008    Applied Linguistics

Fall, Spring, Summer 3.00 Credits - 3.00 Hours

This course provides educators with the skills needed to acquire a deeper understanding of the structure of English from a modern day linguistic perspective. The course enables the educator to analyze the structure of English to contrast with the language(s) of the target population in a given class. Participants learn how to adapt classroom instructional practices to meet the linguistic needs of their English language learners. Analysis of the phonological, morphophonological, and syntactic features of English as a basis for linguistic application to problems of English language acquisition by non-native speakers.

EPI0009    Foundations of Language and Cognition

Fall 3.00 Credits - 3.00 Hours

This course teaches language structure, function and phonemic awareness, fluency, vocabulary and comprehension. The instruction is grounded in scientifically-based research. This course satisfies the requirements for Competency 1 of the State of Florida Reading Endorsement. Prerequisite: Students must be admitted into EDPREP or READENDORS program plan.

EPI0010    Foundations of Language and Cognition

Fall, Spring, Summer 4.00 Credits - 4.00 Hours

This module provides substantive knowledge of language structure and function and cognition of phonemic awareness, phonics, fluency, vocabulary and comprehension. It provides knowledge of the integration of the reading components. Instruction in this module is grounded in scientifically-based reading research as a mechanism to inform instructional practice. Prerequisite: Students must be admitted into EDPREP or READENDORS program plan.

EPI0011    Foundations of Assessment

EPI0012    Foundations of Differentiation

Fall, Spring, Summer 3.00 Credits - 3.00 Hours

This course provides a study of the varying strategies that are successful with students from differing instructional profiles, including students with disabilities and students from diverse populations. This professional development course meets the requirements for Competency 4, Foundations in Differentiation, of the Reading Endorsement Add-On Certification Program. This course must be taken simultaneously with Application of Differentiated Instruction (EPI 0013). Prerequisite: Students must be admitted into EDPREP or READENDORS program plan.

EPI0013    Application of Differentiated Instruction

Fall, Spring, Summer 3.00 Credits - 3.00 Hours

This course provides a study of the application of strategies for students from differing instructional profiles, including students with disabilities and students from diverse populations. This professional development course meets the requirements for Competency 5, Application of Differentiated Instruction, of the Reading Endorsement Add-on Certification Program. This course must be taken simultaneously with Foundations of Differentiation (EPI 0012). Prerequisite: Students must be admitted into EDPREP or READENDORS program plan. Corerequisite: EPI 0012.

EPI0014    Demonstration of Accomplishment
This course applies skills and information regarding reading development to reading instruction. The course discusses strategies and assessments that provide evidence for increased student reading proficiency in struggling students, including students with disabilities and students from diverse populations. This professional development course meets the requirements for Competency 6, Demonstration of Accomplishment, of the Reading Endorsement Add-on Certification Program. Prerequisite: Students must be admitted into EDPREP or READENDORS program plan.

EPI0020 The Teaching Profession: Professional Foundations

Fall, Spring, Summer 2.00 Credits - 2.00 Hours

This module provides the foundation for becoming a productive member of the teaching profession. The participant will gain an understanding of the organization and administration of the public school, the laws governing teachers, the code of ethics and the purpose of schools. This module develops a professional perspective and creates a sense of grounding in the profession of teaching. Prerequisite: Students must be admitted into EDPREP program plan.

EPI0021 ESOL Curriculum and Material Development

Fall, Spring, Summer 3.00 Credits - 3.00 Hours

This course enables educators to select appropriate instructional materials to support the unique needs of English language learners. Educators will be able to determine which materials are effective for the English language learner based on his or her communicative skills.

EPI0030 Diversity in the Classroom: Module 4A

Fall, Spring, Summer 2.00 Credits - 2.00 Hours

This module provides the participant with an understanding of the variety of backgrounds and cultures that may be found in a typical classroom. Field experiences give a broader view of the social aspects of diversity and cause the participant to reevaluate personal beliefs and prejudices that may adversely affect the learning process. This module also introduces the participants to the issues, challenges and the opportunities of teaching students who reflect the diversity of the American population in terms of race, ethnicity, religion, culture, sexual orientation and gender. Topics emphasized include foundations of prejudice, elements of culture and the value of diversity. Prerequisite: Students must be admitted into EDPREP program plan.

EPI0031 Cross-Cultural Communication and Understanding

Fall, Spring, Summer 3.00 Credits - 3.00 Hours

This course is designed to increase awareness and sensitivity to diverse cultures by highlighting similarities and differences as they relate to language and communication. Participants will learn how to adapt classroom instructional practices to meet the needs of students with varying cultural backgrounds.

EPI0930 Selected Topics for Professional Development

Fall, Spring, Summer 1.00 Credit - 1.00 Hour

In this course, topics of current interest are presented in group instruction.

EPI0931 Selected Topics for Professional Development

Fall, Spring, Summer 0.50 Credits - 0.50 Hours

In this course, topics of current interest are presented in group instruction.

EPI0950 Teaching Methods Practicum

Fall, Spring, Summer 5.00 Credits - 5.00 Hours
This course provides the participant with methods of instruction, integrating theoretical knowledge with classroom experience, demonstrating effective teaching practices, reflective decision-making and competency in Educator Accomplished Practices.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Terms</th>
<th>Credits</th>
<th>Hours</th>
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<tbody>
<tr>
<td>ESC1000</td>
<td>Introduction to Earth Science</td>
<td>Fall, Spring, Summer</td>
<td>3.00</td>
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<td>This course will introduce students to the Earth as a complex and dynamic system. Focus will be on the solid Earth, the oceans, the atmosphere and interactions among these subsystems. Students will learn of Earth's origin and place within the solar system and universe. This class satisfies the General Education State Core Science requirement for AA degree seeking students.</td>
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<tr>
<td>ESC3704</td>
<td>Environmental Issues in Atmospheric and Marine Science</td>
<td>Fall, Spring, Summer</td>
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<td>This course investigates the complex interactions between humans and their environment with an emphasis on marine and atmospheric interactions. Topics in environmental problems encompassing selected aspects of the atmosphere, hydrosphere, biosphere and lithosphere including air and water quality and natural hazards will be discussed. Prerequisites: BSC 1005 or higher and CHM 1020 or higher and PHY 1053C or higher.</td>
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<td>ETC3270</td>
<td>Building Systems</td>
<td>Fall, Spring</td>
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<td>Students will learn advanced concepts for building systems associated with residential and commercial-type structures. Particular emphasis will be given to the H.V.A.C., mechanical, plumbing and electrical systems. Different types of systems in each discipline will be discussed. The student will be exposed to design processes and system selections for each building system used.</td>
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<tr>
<td>ETC4260C</td>
<td>Site Development and Feasibility</td>
<td>Fall</td>
<td>3.00</td>
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<td>Principles and practices of residential and commercial land development processes will be discussed in this course. Students will learn zoning and land use requirements and/or restrictions. The course will expose the student to project development processes and the utilization criteria used. Financial requirements and responsibility of the project, feasibility studies, market analysis, site analysis and utilization, project programming and design will also be addressed in this course. Project cost estimates for infrastructure, common buildings, individual specialty buildings and/or houses will be identified and evaluated. Prerequisites: ETD 1320C and SUR 2101C.</td>
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<tr>
<td>ETC4414C</td>
<td>Applied Structural Design I</td>
<td>Fall</td>
<td>3.00</td>
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<td>This course is an introduction to structural analysis. Designs of concrete, timber and steel members will be covered as well as current code and specification requirements. Prerequisite: ETG 3533C.</td>
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<td>ETD1320C</td>
<td>Computer-Aided Design I</td>
<td>Fall, Spring, Summer</td>
<td>3.00</td>
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<td>The purpose of this course is to help drafting students develop the knowledge, skills and attitudes required to work at an entry-level job in such positions as CAD technician trainee, CAD system operator or CAD technician. This course is designed for students who have already received in-depth training in one or more application areas. Lab fee required. Prereq/Coreq: EGN 1111C or Prereq: IND 1404C.</td>
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<tr>
<td>ETD1340C</td>
<td>Computer-Aided Design II</td>
<td>Fall, Spring</td>
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<td>In this course, students will learn advanced two- and three-dimensional drafting techniques. Menu and program modification will be emphasized along with</td>
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ETD1600C  Electrical Design Drafting

Fall, Spring, Summer    4.00 Credits - 4.00 Hours

This course is the study of the drawing and design techniques related to the production of electrical buildings (CAD and Revit software to be implemented). Emphasis will be given to the development of correct drafting/design skills associated with the electrical system drawings required for a building project (schematic drawings, floor plans, elevations, building sections, details, sections, legends, notes and special purpose drawings required for a complete set of electrical contract documents). Students will be able to produce a variety of electrical drawings which detail the electrical components while working under the direction of an engineer, architect or specialty electrical contractor or supplier. This is a continuation of Engineering Graphics - Drawing. Lab fee required. Prerequisite: ETD 1340C.

ETD2364C  Introduction to SolidWorks

Fall, Spring    3.00 Credits - 3.00 Hours

This course is an introduction to the new designing techniques and capabilities of solid modeling using the SolidWorks software. Topics include the integration and application of parametric solid modeling drawing within SolidWorks. Lab fee required.

ETD2372C  Design Analysis and Rapid Prototyping

Spring    3.00 Credits - 3.00 Hours

In this capstone course, students will explore simulation, design analysis of rapid prototyping and learn the relationships of physical prototyping between the design and manufacturing industries. Students will apply their creativity, design abilities and 3D printing skills through a series of project-based assignments. The course culminates in the fabrication of a professional digital, 3D product and physical prototype. When available, field trips to local facilities will expose students to current industry practices applying these latest techniques and technologies. Lab fee required. Prerequisite: ETD 2364C.

ETD2390  Computer-Aided Design III (Revit)

Fall, Summer    3.00 Credits - 3.00 Hours

This course is a three-dimensional CAD course which introduces the student to Autodesk Revit Software. The student learns to work with architectural computer models rather than the basic geometric drawing approach. The Revit platform for building information modeling is a complete design and documentation solution which supports all phases of design, drawing production and schedule development for a given project. This software allows the student to work in various views of the parametric building model at the same time. Prerequisite: ETD 1320C or IND 2460C.

ETD2391  Computer-Aided Design IV (Advanced Revit)

Spring    3.00 Credits - 3.00 Hours

This course is a three-dimensional CAD course which introduces the student to advanced concepts in Autodesk Revit Software. The student continues to learn how to draw and design in a three-dimensional architectural computer model format. Advanced concepts in three-dimensional modeling are introduced and implemented in class projects. This software allows the student to work in various views of the parametric building model at the same time. Each view may be opened separately and any changes that are made in one drawing are immediately updated in all other views. The Revit platform for building information modeling also allows the student to identify and produce a material list (automatically) for every item required for a particular design as the design develops and changes. This becomes an invaluable tool for the estimating and scheduling functions required by the contractor. Prerequisite: ETD 2390 or IND 4472.
ETD2545C  Site and Survey Drafting  
Fall, Spring  3.00 Credits - 3.00 Hours  
This course covers the study and practice in the preparation of the reverses, contour and profile plans from field notes with emphasis on land development drafting, road layout, drainage, sanitary and water facility planning. Lab fee required. Prerequisite: ETD 1320C.

ETD2546C  Land Development Drafting  
Offered as Needed  3.00 Credits - 3.00 Hours  
This course is a continuation of Site and Survey Drafting with emphasis on the final preparation of land development drafting as applied to subdivision planning. Lab fee required. Prerequisite: ETD 2545C.

ETD2563C  Fire Sprinkler Drafting and Design I  
Spring  3.00 Credits - 3.00 Hours  
This course is an introduction to the technique of preparing fire protection drawings. Emphasis is placed on reading and interpreting different types of drawings such as submittal drawings, shop drawings and as-built drawings. Opportunities are provided to use symbols and notes in the production of fire sprinkler design drawings. Lab fee required. Prerequisite: EGS 1111C.

ETD2734C  Plumbing Design Drafting  
Fall, Spring, Summer  3.00 Credits - 4.00 Hours  
This course is a study of the drawing and design techniques related to the production of plumbing and fire sprinkler drawings for commercial buildings (CAD and Revit software to be implemented). Emphasis will be given to the development of correct drafting/design skills associated with the plumbing and fire sprinkler system drawings required for building a project (schematic drawings, floor plans, elevations, building sections, details, sections, layout, assembly, legends, notes and special purpose drawings required for a complete set of plumbing or fire sprinkler contract documents). Students will be able to produce a variety of plumbing and fire sprinkler drawings which detail the piping components while working under the direction of an engineer, architect or specialty contractor or supplier. This is a continuation of Engineering Graphics - Drawing. Lab fee required. Prerequisite: ETD 1340C.

ETD2905  Directed Studies in Design  
Fall, Spring, Summer  1.00 Credit - 3.00 Hours  
This course is scheduled for individual students who wish to explore topics not covered in the curriculum. The student must present a design of study (learning contract) to the faculty member who is to direct the work. Approval from the dean or director is required prior to registration.

ETD2930  Selected Studies in Engineering Technologies  
Fall, Spring, Summer  3.00 Credits - 3.00 Hours  
In this course, topics of current interest are presented in group instruction. This is a project-based class. Project is selected by the student and approved by the instructor. Lab fee required. Prerequisites: EGS 1111C and ETD 1600C.
ETD2941  Cooperative Education Internship in Design and Engineering

Fall, Spring, Summer  1.00 Credit - 1.00 Hour

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn cooperative education credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student’s academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student’s chosen major as identified in the student’s program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

ETD2942  Cooperative Education Internship in Design and Engineering

Fall, Spring, Summer  2.00 Credits - 2.00 Hours

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn cooperative education credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student’s academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student’s chosen major as identified in the student’s program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

ETD2949  Cooperative Education Internship in Design and Engineering

Fall, Spring, Summer  3.00 Credits - 3.00 Hours

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn cooperative education credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student’s academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student’s chosen major as identified in the student’s program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

ETD3555  Applied Site and Survey Mapping

Summer  3.00 Credits - 3.00 Hours

This course presents site plan development, including contour revisions, grading, drainage, utilities and street and road layout. Pipe drawings, both flat and pictorial, utility and working drawings and extensive civil, three-dimensional applications will be included. Students will learn to plan, prepare and interpret engineering drawings. The student will learn the use of drafting equipment and computers to design and draft mechanical, architectural, civil, electrical, structural building systems and related areas. Prerequisites: ETD 1320C and SUR 2101C.

ETD3930  Selected Studies in Engineering Technology

Fall, Spring, Summer  3.00 Credits - 3.00 Hours

In this course, topics of current interest are presented in individual or group instructional format. This is a project-based class. The project is selected by the
student and approved by the instructor. The instructor works one-on-one with the student to complete the work as required.

ETG2502  Statics

Fall, Spring  3.00 Credits - 3.00 Hours

This course will prepare the student for the field of Engineering Technology and/or related sciences. The course will focus on specialized practical knowledge related to the mathematical, scientific or technical aspects of mathematics, science and engineering. Fundamental principles of statics, co-planar and non-co-planar force systems including concurrent and non-concurrent forces will be covered. Additional focus will be placed on both friction and non-friction systems. Stress and strain evaluations on columns, beams, trusses and foundation systems will also be addressed. Prerequisites: MAC 1114 or higher level mathematics course or MTB 1329 and MAC 1105 and PHY 1020 or higher level physics course.

ETG3533C  Applied Engineering Strengths of Materials

Fall, Spring  3.00 Credits - 3.00 Hours

This course will continue to prepare the student for the field of engineering technology and/or a related science. The course will focus on specialized, practical knowledge related to more advanced mathematical, scientific or technical aspects of mathematics, science and engineering. Relationships between external forces and action of members of a structure will be covered. Topics include stress, shear, moment, deflections, column and beam connections and Mohr’s Circle. Prerequisite: ETG 2502 or EGN 2312.

ETG4950  Senior Design Capstone

Spring  3.00 Credits - 3.00 Hours

In this course, the student will use everything previously learned in the program to plan a related engineering problem or project. The student will be responsible for planning the basic design, material selection, structural analysis and related calculations, etc. Project must be approved by faculty advisor. The student will produce a formal oral presentation. This course must be completed with a grade of “C” or higher. Prerequisite or corequisite: ETC 4414C.

ETI1110  Introduction to Quality

Fall  3.00 Credits - 3.00 Hours

This course defines the role of quality in an industrial environment. Topics include the use of quality management techniques and quality philosophies, process development, techniques used for evaluation, approaches used on continuous operations, methods used to control quality and the international organization for standardization (ISO) series of standards. The responsibility of quality assurance during the engineering, manufacturing and marketing of a product is also covered.

ETI1410  Interdisciplinary Engineering I

Offered as Needed  3.00 Credits - 0.00 Hours

Three credits are awarded to entering students with an appropriate score on the International Baccalaureate (IB) examination in Design Engineering.

ETI1411  Interdisciplinary Engineering II

Offered as Needed  3.00 Credits - 0.00 Hours

Three credits for this course are awarded to entering students with a score of 5 or higher on the International Baccalaureate (IB) test in Design Engineering.

ETI1420C  Materials and Processes for Engineering Technology

Spring  3.00 Credits - 3.00 Hours

This course is an introduction to material characteristics and behavior. The student shall study the interrelationships of structure, property,
performance and material selection. Use of engineering materials such as metals, ceramics, polymers, electronic materials and composites in engineering applications will be covered. The student shall be introduced to the concept of sustainable materials. Lab fee required.

ETI1482C  Design and Technology AICE A-Level

Offered as Needed  3.00 Credits - 0.00 Hours

Credit for this course is granted to students with passing scores of A, B, C, D or E on the Cambridge (British A-Level) examination in Design and Technology.

ETI1701  Safety for Engineering Technologists

Fall  3.00 Credits - 3.00 Hours

This course covers the knowledge and skills needed to create and maintain a safe and productive work environment as defined by OSHA regulations that are applicable to engineering technology companies. Handling and disposal of hazardous materials will also be emphasized.

ETI1843C  Motors and Controls

Fall  3.00 Credits - 3.00 Hours

This course explores the theory and application of AC and DC motors. It covers how different types of motors operate and how electronic motor control systems are designed and can be used to improve efficiency in a wide ranges of applications. Lab fee required.

ETI1944  Design and Technology AICE A-Level

Offered as Needed  3.00 Credits - 0.00 Hours

Credit for this course is granted to students with passing scores of A, B, C, D or E on the Cambridge (British A-Level) examination in Design and Technology.

ETI2930  Selected Studies in Fire Sprinkler Systems

Fall, Spring, Summer  3.00 Credits - 3.00 Hours

In this course, topics of current interest are presented in group instruction. Lab fee required.

ETI2949  Cooperative Education Internship in Fire Sprinkler

Fall, Spring, Summer  3.00 Credits - 3.00 Hours

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn cooperative education credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student’s academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student’s chosen major as identified in the student’s program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

ETI2950C  Engineering Technology Capstone

Fall  3.00 Credits - 3.00 Hours

This capstone course is designed for the student to demonstrate knowledge and skills applicable to the degree core competencies and outcomes. The course is designed as a project-based experience. The student’s project requirements will be designed in concert with the area of curriculum emphasis. Lab fee required.

ETI3440  Project Management National Standards
This course provides a review of the project management standards including American National Standards Institute (ANSI) and the Project Management Body of Knowledge (PMBOK) standards (and its ten project management knowledge areas and five project processes) and other applicable standards. The course will also introduce the concept of Earned Value Management (EVM). All federal projects in excess of $50M must be managed using certified EVM management systems.

**ETI3442 Project Planning**

This course provides an overview of the theory and practice of managing projects within various organizational structures. The fundamental building blocks of project management are addressed with special emphasis on the triple constraint and developing project plans. Students will learn to develop appropriate project scope, schedule, budget and integrated baselines essential for proper project analysis and management. These topics are taken one at a time through a series of applied problems and then exercised through case studies. Prerequisite: ETI 3440 or department permission.

**ETI3630 Leading Project Teams**

Managing the human elements of project management is as challenging as mastering the technical aspects. Innovative approaches are employed to successfully motivate, communicate, negotiate and resolve conflicts among the team members and stakeholders. In this course, students develop an understanding of the individual, the group and the project team. Proven techniques to make conflict a constructive rather than a destructive experience are discovered. Students develop effective communication, negotiation and conflict resolution skills to successfully lead both domestic and global projects.

**ETI3671 Technical Economic Analysis**

This course provides the student with the skills to formulate, develop and apply analytical techniques to reach cost-effective solutions to business, government and/or engineering-related problems. The course will focus on time-based analysis of selection, replacement, lease-to-buy options, multiple alternatives, uncertainty and sensitivity analysis. A problem-solving approach will be implemented to develop the concepts identified. Topics include engineering, decision-making, cash flow equivalence, present worth analysis, annual cash flow analysis, rate of return analysis, incremental analysis, depreciation, income tax assessment, replacement analysis, inflation and deflation, estimating in future event, selecting a minimum attractive rate of return and the successful evaluation and rationing of capital among competing projects.

**ETI4115 Project Quality and Risk Management**

Quality management ensures that project deliverables meet pre-determined criteria. Methods for quality management are studied, including quality planning, assurance and control. Risk management is the systematic process of identifying, analyzing, evaluating and controlling project risks. Both qualitative and quantitative risk analyses are conducted and strategies for proactive risk aversion and reactive risk response are developed. Prerequisites: ETI 3440 and ETI 3630.

**ETI4448 Applied Project Management**

In this comprehensive course, students will build statements of work and work breakdown structures, make activity and resourcing decisions, set timelines and utilize scheduling and resource allocation methods. Risk management methods will also be used in working as groups to create and manage project plans. The student will apply the PMBOK standards to
real-world projects through a series of case studies. Prerequisites: ETI 3442 and ETI 4115.

ETI4480  Applied Robotics
Spring  3.00 Credits - 3.00 Hours

This course emphasizes advanced topics in robot programming, interfacing and designing for industrial and laboratory applications. Topics include a study of the history of robots, typical configurations, mechanisms, sensors, actuators and advanced control schemes with sensors and actuators for industrial applications. Prerequisites: ETG 2502 or EGN 2312, COT 3103, ETS 3608.

ETM2315C  Hydraulic and Pneumatic Systems
Fall  4.00 Credits - 4.00 Hours

This course provides the basic principles of electro-mechanical, hydraulic and pneumatic systems. It includes a practical approach to technical problems involving hydraulics and pneumatics, fluid mechanics, hydrostatic forces and pump operation, including the electrical circuitry needed to operate and control hydraulic/pneumatic systems. Lab fee required.

ETM1010C  Mechanical Measurement and Instrumentation
Spring  3.00 Credits - 3.00 Hours

This course provides the basic foundation for both mechanical and electronic measurement techniques. The course will integrate the concepts, principles and techniques of mechanical measurement with the use of various types of instruments, including micrometers, verniers, calipers, gauges and other types of measuring equipment. The course will also introduce the student to the basic measurement techniques employing electronic test equipment including the operation and usage of digital multimeters, function generators and oscilloscopes. Lab fee required.

ETM4755  Applied Air Conditioning
Fall, Spring  3.00 Credits - 3.00 Hours

This course covers the analysis of body comfort, psychometrics, heating and cooling load, specification
of air conditioning systems, air distribution systems and system piping requirements. Prerequisite: ETC 3270.

ETP2050 Energy Analysis

Fall 3.00 Credits - 3.00 Hours

This course covers the essential principles of sustainable forms of energy. Specific topics include the units of measure, analytical comparisons of energy types, calculating consumption and production values and exploring essential underlying formulas. Case studies will emphasize useful applications of existing sustainable energy sources.

ETP2410 Solar Photovoltaic (PV) Systems

Fall, Spring 3.00 Credits - 3.00 Hours

This course will introduce the student to the principles and fundamental photovoltaic technology. Solar radiation, site survey and planning, solar components and configuration, batteries, PV panel construction, inverters and system sizing are some of the topics covered in depth in this course. This course will help the student develop knowledge of the complete photovoltaic system and the different configurations used in industry.

ETP2420 Solar Thermal Systems

Spring 3.00 Credits - 3.00 Hours

This course covers the background, history, essential theory and principles of Solar Thermal Technology. Specific topics include solar fundamentals, solar water heating systems and components, system installation, check-out and start-up procedures, troubleshooting, pool heating and code and safety issues.

ETP2502 Alternative Energy Sources

Spring 3.00 Credits - 3.00 Hours

As the demand for energy grows worldwide, there has been an increased emphasis on utilization of non-conventional power sources. This course addresses and explores technological advances in alternative forms of energy. Characteristics of both conventional and emerging technologies such as nuclear, hydro-electric, solar, wind, geo-thermal, ocean energy, hydrogen and battery-electric will be explored. Students will be exposed to the obstacles of alternative energy development and technological challenges of their implementation such as cost, infrastructure and availability bases on geography. Pollution and global climate change will be discussed. Identification of major outdoor air pollutants, the scope of outdoor air pollution and the assessment of potential solutions will be emphasized.

ETP2910C Projects in Sustainability

Fall, Spring, Summer 3.00 Credits - 3.00 Hours

This is a hands-on, project-based course that covers the essential principles for designing, constructing and operating a residential power generating system. Topics include a review of AC/DC circuits, safety and laboratory practices, technical recording and reporting and demonstrating proficiency in the principles of renewable power generations systems. Student projects will emphasize their understanding of the complete life cycle of regionally-relevant renewable designs and installations. Prerequisites: ETP 2502 and (AER 1602, EET 1035C OR ETP 2410).

ETS3608 Robotics

Spring 3.00 Credits - 3.00 Hours

This course emphasizes programming, interfacing and designing robotic work cells for industrial applications. A study of robot configurations and programming techniques will be investigated for applications found in assembly, inspection and material handling. Prerequisites: ETG 2502 or EGN 2312, COT 3103.

EUH1002 European History - Cambridge
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Term</th>
<th>Credits</th>
<th>Hours</th>
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<tbody>
<tr>
<td>EUH1009</td>
<td>Survey of European History</td>
<td>Offered as Needed</td>
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<td>EUH1066</td>
<td>Rise and Fall of the Soviet Union DSST Exam DANTES</td>
<td>Offered as Needed</td>
<td>3.00</td>
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<tr>
<td>EUH2000</td>
<td>Western Civilization to 1600</td>
<td>Fall, Spring, Summer</td>
<td>3.00</td>
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<tr>
<td>EUH2001</td>
<td>Western Civilization 1600 to Present</td>
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<tr>
<td>EUH2905</td>
<td>Directed Studies in History</td>
<td>Offered as Needed</td>
<td>3.00</td>
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<tr>
<td>EVR1001</td>
<td>Introduction to Environmental Science</td>
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**EUH1009 Survey of European History**

Credit for this course is awarded to entering students with appropriate scores on the Cambridge examination in History - Modern European History, 1789-1939.

**EUH1066 Rise and Fall of the Soviet Union DSST Exam DANTES**

Credit for this course is granted to students with passing scores of 45 or higher on the DSST Examination (DANTES) in Rise and Fall of the Soviet Union.

**EUH2000 Western Civilization to 1600**

This course traces the rise of Western civilization from 1000 B.C.E. to the Renaissance, c. 1600. It emphasizes Greek civilization including drama, mythology, philosophy and the origins of Greek democracy and then examines the late Roman Republic and early Roman Empire followed by the rise of Christianity, Islam, the Byzantine Empire, the "Flowering of Medieval Culture" and the Christian Synthesis of the late Middle Ages. The European Renaissance and the Reformation including social, political and philosophical issues will be discussed. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisite or corequisite: ENC 1101.

**EUH2001 Western Civilization 1600 to Present**

This course covers the period from c. 1600 to the present. Topics include the scientific revolution, the rise of absolute monarchy in Europe, the 18th-century Enlightenment and the French Revolution. The impact of Napoleon is addressed as is the Industrial Revolution and the advent of socialism, including Marxism. Cultural ideas from Romanticism to social Darwinism are analyzed. European imperialism, World War I and the rise of fascism lead to a discussion of World War II. The impact of western civilization on Asia, Africa and the Middle East are also considered. The Cold War and the modern period conclude the course. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisite or corequisite: ENC 1101.

**EUH2905 Directed Studies in History**

This course is scheduled for individual students who wish to explore topics not covered in the curriculum. The student must present a design of study (learning contract) to the faculty member who is to direct the work. Approval from the dean or director is required prior to registration.

**EUH2950 Travel/Study in European History**

This is a travel/study course combining preparation on campus, foreign travel and study abroad in the discipline of European History. Variable content depending on the program in which the student enrolls and the specific topics to be covered. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Students must be 18 years of age on or before departure and permission of instructor or dean is required.

**EVR1001 Introduction to Environmental Science**

This course provides an introduction to environmental science, focusing on the relationship between human activities and the environment. It covers topics such as environmental chemistry, ecology, conservation, and sustainable development. This course partially satisfies the writing requirement of S.B.E. 6A-10.030.
This is a three-credit-hour General Education course with no prerequisites. Students will study the impact of human systems on the physical and biological environment as well as discuss possible solutions to today’s environmental problems. Topics include ecology, natural resources, energy, pollution, population growth, urbanization and sustainability. This class satisfies the General Education State Core Science requirement for AA degree seeking students.

**EVR1017 Ecosystems and Societies IB**

Offered as Needed  3.00 Credits - 0.00 Hours

Credit for this course is awarded to entering students with appropriate scores on the International Baccalaureate (IB) examination in Ecosystems and Societies.

**EVR1018 Ecosystems and Societies IB**

Offered as Needed  3.00 Credits - 0.00 Hours

Credit for this course is awarded to entering students with appropriate scores on the International Baccalaureate (IB) examination in Ecosystems and Societies.

**EVR2950 Travel Studies in Environmental Science**

Offered as Needed  3.00 Credits - 3.00 Hours

This course combines on campus lectures and preparation with travel to, and study of, unique ecosystems and the impact humans have upon them. Course content is focused on the region visited. Student must be 18 years of age on or before departure. Departmental permission is required for enrollment.

**FFP0027 Fire Standards Part 1**

Fall, Spring, Summer  5.00 Credits - 150.00 Hours

This program prepares the student for a career as a state certified professional firefighter. This program consists of three parts (Fire Standards Part 1, Part 2 and Part 3) and includes both Firefighter I and Firefighter II (Professional Firefighter) curriculum. The entire sequence of three courses must be completed successfully in order to be eligible to take the state exam for certification as a career firefighter. Prerequisite or corequisite: FFP 0028.

**FFP0028 Fire Standards Part 2**

Fall, Spring, Summer  5.00 Credits - 150.00 Hours

This program prepares the student for a career as a state certified professional firefighter. This program consists of three parts (Fire Standards Part 1, Part 2 and Part 3) and includes both Firefighter I and Firefighter II (Professional Firefighter) curriculum. The entire sequence of three courses must be completed successfully in order to be eligible to take the state exam for certification as a career firefighter. Prerequisite or corequisite: FFP 0028.

**FFP0029 Fire Standards Part 3**

Fall, Spring, Summer  5.00 Credits - 150.00 Hours

This program prepares the student for a career as a state certified professional firefighter. This program consists of three parts (Fire Standards Part 1, Part 2 and Part 3) and includes both Firefighter I and Firefighter II (Professional Firefighter) curriculum. The entire sequence of three courses must be completed successfully in order to be eligible to take the state exam for certification as a career firefighter. Prerequisite or corequisite: FFP 0028.

**FFP0360 Fire Apparatus Operations (Apparatus Operator)**

Fall, Spring, Summer  1.33 Credits - 40.00 Hours

This course covers the laws, rules and driving techniques for emergency vehicles. There will be a practical portion of the course that includes fire ground evolutions using pre-connected lines, tandem pumping, drafting, relays and master streams. Students must bring gloves and proper attire for water pumping exercises. After successful completion of FFP
0360 and FFP 0361, the student will be eligible to take the state pump operator certification exam through the Florida State Fire College. This course must be completed with a grade of 70% "C" or higher.

**FFP0361  Fire Protection Hydraulics and Water Distribution Systems**

**Fall, Spring, Summer   1.33 Credits - 40.00 Hours**

This course provides a foundation of theoretical knowledge in order to understand the principles of the use of water in fire protection and to apply hydraulic principles to analyze and solve water supply problems. In addition, the curriculum covers pump theory, pump rating and pressure and vacuum gauges. Students will have to successfully complete FFP 0360 and FFP 0361 to be eligible to complete the state pump operator certification exam through the Florida State Fire College. This course must be completed with a grade of 70% "C" or higher.

**FFP1301  Fire Protection Hydraulics and Water Supply**

**Fall, Spring, Summer   3.00 Credits - 3.00 Hours**

This course provides a foundation of theoretical knowledge in order to understand the principles of the use of water in fire protection and to apply hydraulic principles to analyze and to solve water supply problems. In addition, the curriculum covers pump theory, pump rating and pressure and vacuum gauges. Students will have to successfully complete FFP 1302 Apparatus Operations to be eligible to complete the State Pump Operator certification exam through the Florida State Fire College. This course must be completed with a grade of 70 percent "C" or higher to receive credit. Lab fee required. Prerequisite: FFP 1301 with a grade of "C" or higher.

**FFP1302  Apparatus Operations**

**Fall, Spring, Summer   3.00 Credits - 3.00 Hours**

This course covers the laws, rules and driving techniques for emergency vehicles. There will be a practical portion of the course that includes fire ground evolutions using pre-connected lines, tandem pumping, drafting, relays and master streams. Students must bring gloves and proper attire for water pumping exercises. After successful completion of this course and FFP 1301, the student will be eligible to take the State Pump Operator certification exam through the Florida State Fire College. This course must be completed with a grade of 70 percent "C" or higher to receive credit. Lab fee required. Prerequisite: FFP 1301 with a grade of "C" or higher.

**FFP1505  Fire Prevention Practices**

**Fall, Spring   3.00 Credits - 3.00 Hours**

This course examines the structure and function of fire prevention organizations, conducting inspections, procedures and techniques of fire prevention, recognition and elimination of fire hazards, fire risk analysis as applied to municipal and industrial occupancies, public relations programs, including coordination with other agencies, public education and inspections practices. This course is required for the U.S. Fire Administration Higher Education (FESHE) degree. This course is required for the Florida Fire Safety Inspector and Fire Officer II certifications.

**FFP1510  Fire Protection Code and Standards**

**Spring   3.00 Credits - 3.00 Hours**

This course covers a thorough study of codes applicable to fire protection and prevention, their application in various types of building construction and design with emphasis on fire protection features. This course is required for the Fire Safety Inspector certification.

**FFP1540  Private Fire Protection Systems I**

**Fall, Spring   3.00 Credits - 3.00 Hours**

This course provides a study of fire protection alarm and extinguishing systems, including design characteristics, operational theory and functional limitations and capabilities. There will be comparative analysis of the various systems, including the standard
governing systems. This course is required for the U.S. Fire Administration Higher Education (FESHE) degree.

This course is required for the Fire Safety Inspector I, Fire Investigator I and Fire Officer II certifications.

FFP1612 Fire Behavior and Combustion

Fall, Summer 3.00 Credits - 3.00 Hours

This course explores the theories and fundamentals of how and why fires start, spread and how they are controlled. This course is required for the U.S. Fire Administration Higher Education (FESHE) degree.

FFP1702 Principles of Emergency Services

Spring 3.00 Credits - 3.00 Hours

This course provides an overview of fire protection, career opportunities in fire protection and related fields, philosophy and history of fire protection/service, fire loss analysis, organization and function of public and private fire protection services, fire departments as part of local government, laws and regulations affecting the fire service, fire service nomenclature, specific fire protection functions, basic fire chemistry and physics, introduction to fire protection systems, introduction to fire strategy and tactics. This course is required for the U.S. Fire Administration Higher Education (FESHE) degree.

FFP1740 Fire Service Course Delivery

Fall, Summer 3.00 Credits - 3.00 Hours

This course studies the planning, development, implementation and evaluation of fire service training programs. Training objectives, facilities, equipment, multimedia, schedules and record systems are discussed within the program. Emphasis is on the development of adult learning principles, teaching effectiveness and the skills and abilities required of instructors in the fire service. This course is required for the Florida Fire Officer I and Fire Service Instructor I certifications.

FFP1793 Fire and Life Safety Educator I

Fall, Spring 3.00 Credits - 3.00 Hours

This course is designed to provide the public educator with the knowledge and skills needed to perform as a fire and life safety educator as addressed in the National Fire Protection Act (NFPA) 1035. Topics include fire behavior, community assessment, injury prevention and juvenile fire setting. The student will also develop presentation skills and learn how to design public education programs. This course is an elective for both the Fire and Life Safety Educator and the Fire Safety Inspector II certification through the Florida State Fire College. This course must be completed with a grade of 70 percent "C" or higher to receive credit.

FFP1801 Managing Emergencies

Spring 3.00 Credits - 3.00 Hours

This course will examine effective management techniques required for coordination between state, local and private sector entities during large-scale disasters. This course introduces the concepts of the Incident Command System (ICS), the National Incident Management System (NIMS) and the National Responses Framework (NRF). This course will show how ICS, NIMS and the NRF provides a template for responsible agencies to work together to prevent or respond to threats and incidents regardless of cause, size or complexity. The student will have the opportunity to complete NIMS-compliant self-study courses via FEMA and the Emergency Management Institute.

FFP1810 Fire Service Strategy and Tactics I

Fall, Spring 3.00 Credits - 3.00 Hours

This course presents the basic concepts of fire attack. It seeks to develop the thinking skills needed by a fire officer in evaluating fire ground situations and planning the necessary steps to insure efficient control of fire under an emergency situation. This course is recommended for the U.S. Fire Administration Higher
Education (FESHE) degree. This course is required for the Florida Fire Officer I certification.

FFP2109  Occupational Safety and Health for the Fire Service

Spring, Summer  3.00 Credits - 3.00 Hours

This course introduces the basic concepts of occupational health and safety as they relate to emergency service organizations. Topics include risk evaluation and control procedures for fire stations, training sites, emergency vehicles and emergency situations involving fire, EMS, hazardous materials and technical rescue. Upon completion of this course, students should be able to establish and manage a safety program in an emergency service organization. This course is required for the U.S. Fire Administration Higher Education (FESHE) degree.

FFP2111  Hazardous Materials Chemistry I

Summer  3.00 Credits - 3.00 Hours

This course is designed to show the arson investigator the different forms of matter and energy, common substances and how they relate to fires. The curriculum will discuss chemical formulas of flammable and combustible substances and their bonding and separations. Other course material includes the different chemical reactions related to fire and oxidation. Particular emphasis will be placed on the specific substances used by arsonists to ignite and accelerate burnings. This course is recommended for the U.S. Fire Administration Higher Education (FESHE) degree. This course is required for the Fire Investigator I and Fire Safety Inspector II certifications.

FFP2120  Building Construction for the Fire Service

Fall, Spring  3.00 Credits - 3.00 Hours

This course presents the fundamental concepts of building construction as they relate to how buildings burn. Students will learn how the ravages of fire affect wood, steel, concrete and composite construction.

Emphasis is on avoiding human injury in each type of construction. This course is required for the U.S. Fire Administration Higher Education (FESHE) degree. This course is required for the Fire Safety Inspector I, Fire Officer I and Fire Investigator I certifications.

FFP2521  Construction Documents and Plans Review

Spring  3.00 Credits - 3.00 Hours

This course covers the interpretation and application of Fire Protection Code requirements to construction plans, blueprints and the basic surveying mapping techniques of fire protection engineering. This course is required for the Fire Safety Inspector certification. Prerequisite: FFP 1505 or FFP 2120.

FFP2541  Fire Protection Systems II

Summer  3.00 Credits - 3.00 Hours

This course provides a study of fire protection alarm and extinguishing systems including design characteristics, operational theory and functional limitations and capabilities. There will be a comparative analysis of the various systems, including the standards governing systems. This course is required for the Fire Safety Inspector II certification. Prerequisite: FFP 1540.

FFP2610  Fire Investigation I

Fall  3.00 Credits - 3.00 Hours

This course is designed to enhance the fire investigator’s ability to detect and determine the origin and cause of a fire. Specific topics include fire behavior review, investigator ethics, building construction, ignition sources, reading fire patterns and scene re-construction. Special topics include electrical fire investigation, woodland fires, vehicle fires, mobile home fires, RV, boat and ship fires. This course is recommended for the U.S. Fire Administration Higher Education (FESHE) degree. This course is required for the Fire Investigator I and Fire Safety Inspector II certifications.
FFP2706  Public Information Officer

Offered as Needed  3.00 Credits - 3.00 Hours

This course prepares the student to serve effectively as an organizational spokesperson according to the current practices in the profession of public relations and includes numerous examples from the fire service. Particular emphasis will focus on case studies in crisis communications and the role of the Public Information Officer in Incident Command. This course is an elective for the Fire Safety Inspector II certification.

FFP2720  Company Officer

Fall, Spring  3.00 Credits - 3.00 Hours

This course prepares the student for the responsibilities of an officer at the fire company level. This course will assist fire officers in solving the varied problems and situations required to manage effectively in today’s fire service. Students will learn about the day-to-day routine of operations of a fire company, management theory, communication, motivation, station and vehicle maintenance, shift staffing and grievance procedures. This course is required for the Florida Fire Officer I certification.

FFP2741  Fire Service Course Design

Spring  3.00 Credits - 3.00 Hours

This course studies the planning, development, implementation and evaluation of fire service training programs. Emphasis is on course and program design. The focus will be on the development of training objectives, multimedia presentations and evaluation of learning which will be discussed within the program. This course is required for the Florida Instructor II and Fire Officer II certifications. Prerequisite: FFP 1740.

FFP2770  Legal and Ethical Issues for the Fire Service

Summer  3.00 Credits - 3.00 Hours

This course deals with the entire spectrum of issues facing fire service leaders. The course will address labor relations, human rights and diversity, conflict of interest and frameworks for ethical decision-making. This course is recommended for the U.S. Fire Administration Higher Education (FESHE) degree. This course is required for the Florida Fire Officer III certification.

FFP2780  Fire Department Administration I

Spring  3.00 Credits - 3.00 Hours

This course is designed to be a progressive primer for students who want more knowledge about fire and emergency services administration. The course demonstrates the importance of the following skills necessary to manage and lead a fire and emergency services department through the following challenges and changes of the 21st century: persuasion and influence, accountable budgeting, anticipation of challenges, the need for change and using specific management tools for analyzing and solving problems. A central part of the course focuses on how the leadership of a fire and emergency services department develops internal and external cooperation to create a coordinated approach to achieving the department’s mission. This course is recommended for the U.S. Fire Administration Higher Education (FESHE) degree.

FFP2811  Fire Service Strategy Tactics II

Spring  3.00 Credits - 3.00 Hours

This course covers multiple company operations, logistics, strategy, the use of mutual aid forces and conflagration control. This course is intended for fire officers who may be in command of fires and other emergencies requiring close coordination and maximum use of large amounts of personnel and equipment. Typical tactical situations and scenarios are discussed and practiced. Risk management, planning and critical thinking skills are stressed. This course is required for the Florida Fire Officer II certification. Prerequisite: FFP 1810.
FFP2949  Cooperative EducationInternship in Fire Science

Offered as Needed  3.00 Credits - 3.00 Hours

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty member is required. Students may earn cooperative education credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student’s academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student’s chosen major as identified in the student’s program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center. Prerequisite: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

FFP2950  Fire Science Capstone

Fall, Spring, Summer  3.00 Credits - 3.00 Hours

This capstone course is the conclusion of the student’s fire science technology academic experience. It is the final course completed by students in the Fire Science Technology Associate in Science degree program. The major focus of this course is to integrate the material acquired in the previous courses and apply knowledge to solve problems or issues relating to the fire service or public safety agencies. Departmental consent is required for this final course in the program. Prerequisite: FIRE-AS program plan.

FIL1000  Film Studies IB

Offered as Needed  3.00 Credits - 0.00 Hours

Credit for this course is awarded to entering students with appropriate scores on the International Baccalaureate (IB) examination in Film Studies.

FIN1000  Principles of Finance DSST Exam DANTES

Offered as Needed  3.00 Credits - 0.00 Hours

Credit for this course is granted to students with passing scores of 46 or higher on the DSST Examination (DANTES) in Principles of Finance.

FIN2001  Business Finance

Fall, Spring, Summer  3.00 Credits - 3.00 Hours

This course focuses on the application of financial practices for the entrepreneurial venture. The student will be able to analyze and evaluate the various sources of funding available for small businesses, become conversant in financial terminology, understand, prepare and analyze financial statements and prepare a loan proposal. The student will be able to describe and explain the importance of working capital and cash management. The student will be able to identify financing needs, establish credit policies and prepare forecasts of estimated cash flows, start-up costs, revenues and expenditures for the first two years of the entrepreneurial venture. Prerequisites: GEB 1011 and ACG 2021 or APA 1111C.

FIN2100  Personal Finance

Fall, Spring, Summer  3.00 Credits - 3.00 Hours

This course identifies individual strategies for personal, long-term financial health. Students learn how to plan...
to achieve financial goals, budget effectively, manage credit and save, invest and build wealth and protect assets. Home ownership, retirement planning (401K’s, mutual funds, stock and bond investments), tax and estate planning and insurance alternatives are fundamental features of this course.

FIN3403  Principles of Business Finance

Fall, Spring, Summer  3.00 Credits - 3.00 Hours

With the balance sheet as a reference point, this course provides an introduction and overview of the acquisition, financing and management of business assets. Prerequisites: ACG 2021, ACG 2071, ECO 2013, ECO 2023 and OST 2852C.

FIN4470  Entrepreneurial Finance

Fall, Spring, Summer  3.00 Credits - 3.00 Hours

This course augments the financing skills specifically needed by the successful entrepreneur. The course focuses on specific tools and knowledge needed to build and maintain a solid financial foundation for a profitable business. It will provide students with essential skills and knowledge needed to develop effective small business finance strategies, priorities and practices. Prerequisite: FIN 3403.

* FIR0319  Apparatus Operations and Fire Service Hydraulics (Pump Ops)

Fall, Spring  2.67 Credits - 80.00 Hours

This course is designed to prepare firefighters for operating fire department pumping apparatus. Lessons include theoretical knowledge of hydraulic principles, pump-theory, mathematical calculations, water supply requirements, legal aspects of emergency vehicle operation, fire-ground pumping evolutions, drafting, relays, hand-line and master stream operations. This course satisfies the 80 hours of basic certification training for Apparatus and Pump Operators seeking certification by the Florida Bureau of Fire Standards and Training.

FOL2930  Selected Studies in Foreign Language

Offered as Needed  3.00 Credits - 3.00 Hours

In this course topics of current interest are presented in group instruction.

FRE1120  Elementary French I

Fall  4.00 Credits - 5.00 Hours

This course is a beginning course consisting of the fundamentals of French functional grammar and speech taught by developing the skills of listening, speaking, reading and writing. A multimedia approach is used to acquire proficiency in the language. In addition, the course emphasizes multicultural understanding of the French culture. Credit for this course is also awarded to entering students with the appropriate score on the College-Level Examination Program (CLEP) or the International Baccalaureate (IB) examination in this language. Lab fee required.

FRE1121  Elementary French II

Fall, Spring  4.00 Credits - 5.00 Hours

This course is a continuation of Elementary French I. It consists of a more advanced level of French functional grammar and speech taught by developing the skills of listening, speaking, reading and writing. A multimedia approach is used to acquire proficiency in the language. In addition, the course emphasizes multicultural understanding of French culture. Credit for this course is also awarded to entering students with the appropriate score on the College-Level Examination Program (CLEP) or the International Baccalaureate (IB) examination in this language. Lab fee required. Prerequisite: FRE 1120.

FRE2200  Intermediate French I

Offered as Needed  3.00 Credits - 0.00 Hours

Credit for this course is awarded to entering students with the appropriate score on the Advanced Placement (AP), College-Level Examination Program
(CLEP) or the International Baccalaureate (IB) examination in this language.

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FRE2201  Intermediate French II

**Offered as Needed**  3.00 Credits - 0.00 Hours

Credit for this course is awarded to entering students with the appropriate score on the Advanced Placement (AP), College-Level Examination Program (CLEP) or the International Baccalaureate (IB) examination in this language.

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GEA1000  World Regional Geography

**Fall, Spring**  3.00 Credits - 3.00 Hours

This course is an introductory study of the human and natural resources of the major regions of the world. From each region, one or more countries are selected for study in depth. Political, cultural, economic and strategic comparisons are made. The current role of the United States in the areas studied receives particular attention. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisite: Eligibility to enroll in ENC 1101 OR test scores that indicate ENC 1101 eligibility OR completion of appropriate college developmental courses for ENC 1101 with grades of “C” or higher OR completion of EAP coursework for ENC 1101 eligibility with grades of “C” or higher.

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GEB1011H  Honors Introduction to Business

**Fall, Spring**  3.00 Credits - 3.00 Hours

This course is designed to provide an overview of the business environment. The business disciplines discussed include management, international business, marketing, finance, economics, accounting and business law. This course provides useful information for business majors and any others involved in owning or operating businesses. This course is also recommended for students expecting to take ACG 2021 Principles of Financial Accounting. Prerequisite: Acceptance into Honors program.

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GEB1441  Business Ethics and Society - DSST

**Offered as Needed**  3.00 Credits - 0.00 Hours

Credit for this course is awarded to entering students with appropriate scores on the DSST (DANTES) examination in Business Ethics and Society.

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GEB2112  Entrepreneurship

**Fall, Spring, Summer**  3.00 Credits - 3.00 Hours

This course provides business and non-business majors with the skills necessary to succeed as an entrepreneur. The fundamentals of starting and operating a business, developing a business plan, obtaining financing, marketing a product or service and developing an effective accounting system will be covered.

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GEB2350  Global Business

**Fall**  3.00 Credits - 3.00 Hours

This course explores the dynamic environment of international business, a multi-disciplinary subject that draws from international economics (balance of trade, balance of payments), politics, institutions, culture and technology as well as insight into the mechanics of international trade and investment, the international financial system and business management in the global marketplace. Prerequisite: GEB 1011.
GEB2930  Selected Studies in Business

Fall, Spring  3.00 Credits - 3.00 Hours

In this course topics of current interest are presented in group instruction.

GEB2931  Selected Studies in Business

Fall, Spring  1.00 Credit - 1.00 Hour

In this course topics of current interest are presented in group instruction.

GEB2944  Business Studies AICE A-Level

Offered as Needed  3.00 Credits - 0.00 Hours

Credit for this course is granted to students with passing scores of A, B, C, D and E on the Cambridge AICE (British Level A) examination in Business Studies.

GEB2955  Travel Study in Business

Spring  3.00 Credits - 3.00 Hours

This is a travel/study course combining preparation on campus, travel and study in the discipline of business. Content is variable depending on the program in which the student enrolls and the specific topics to be covered. Students must be 18 years of age on or before departure. Permission of the instructor is required.

GEB3213  Writing for Business

Fall, Spring, Summer  3.00 Credits - 3.00 Hours

This course analyzes the principles of communication in the workplace. The course introduces students to common formats such as the memo, letter and report. In addition, it helps students improve writing skills to gain greater mastery of grammar, mechanics and style. Students learn techniques for writing informational, persuasive, sales, employment, positive and negative communications. Other topics include using the appropriate strategies for internal and external communication situations, audience analysis and communication through technology. This includes e-mail, online meetings, social media and presentations.

GEB3376  The Entrepreneurial and Intrapreneural Manager

Fall, Spring, Summer  3.00 Credits - 3.00 Hours

This course provides students with the skills necessary to succeed as an entrepreneur or to implement change within an organization as an intrapreneur. The fundamentals of starting and operating a business, developing a business plan, obtaining financing, marketing a product or service and developing an effective accounting system will be covered. Students will study cases of business and develop an in-depth business plan. Prerequisites: ACG 2021, ACG 2071, GEB 3213 and OST 2852.

GEB3930  Selected Studies in Business and Information Management

Fall  3.00 Credits - 3.00 Hours

In this course topics of current interest are presented in group instruction.

GEB3933  Select Studies in Business and Information Management

Spring  3.00 Credits - 3.00 Hours

In this course topics of current interest are presented in group instruction.

GEB3949  Cooperative Education Internship in Business

Fall, Spring, Summer  3.00 Credits - 3.00 Hours

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a
component of this course and regular contact with the assigned faculty advisor is required. Students may earn cooperative education credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student’s academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student’s chosen major as identified in the student’s program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

GEB3949H  Honors Cooperative Education Internship in Business

Fall, Spring, Summer  3.00 Credits - 3.00 Hours

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn cooperative education credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student’s academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student’s chosen major as identified in the student’s program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

GEO1200  Introduction to Physical Geography

Fall, Spring  3.00 Credits - 3.00 Hours

This course is a systematic study of the physical elements of the Earth, including their interrelationships and importance to man and his activities. Basic explanations of physical features of the Earth, their form and origin, principles of weather, world climatic patterns, world vegetation patterns and the study of soil properties and classification into the great soil groups of the world are covered. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisite: Eligibility to enroll in ENC 1101 OR test scores that indicate ENC 1101 eligibility OR completion of appropriate college developmental courses for ENC 1101 with grades of “C” or higher OR completion of EAP coursework for ENC 1101 eligibility with grades of “C” or higher.

GEO1400  Introduction to Human Geography

Offered as Needed  3.00 Credits - 0.00 Hours

Credit for this course is awarded to entering students with an appropriate score on the Advanced Placement (AP) examination in Human Geography or the Cambridge AICE A-Level geography examination.

GEO2930  Selected Studies In Geography

Offered as Needed  3.00 Credits - 3.00 Hours

In this course topics of current interest are presented in group instruction. This course may be taken four times for credit. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisite: ENC 1101 with a grade of “C” or higher or corequisite ENC 1101.

GEB3955  Travel Study in Business

Spring  3.00 Credits - 3.00 Hours

This is a travel/study course combining preparation on campus, travel and study in the discipline of business. Content is variable depending on the program in which the student enrolls and the specific topics to be covered. Students must be 18 years of age on or before departure. Permission of the instructor is required.
**GEO2949  Cooperative Education Internship in Geography**

Offered as Needed 3.00 Credits - 3.00 Hours

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn cooperative education credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student’s academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student’s chosen major as identified in the student’s program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement, permission from the Career Development Center and ENC 1101 with a grade of "C" or higher. Corequisite: ENC 1101.

**GER1120  Elementary German I**

Offered as Needed 3.00 Credits - 0.00 Hours

Credit for this course is awarded to entering students with the appropriate score on the College-Level Examination Program (CLEP) or the International Baccalaureate (IB) examination in this language.

**GER1121  Elementary German II**

Offered as Needed 3.00 Credits - 0.00 Hours

Credit for this course is awarded to entering students with the appropriate score on the College-Level Examination Program (CLEP) or the International Baccalaureate (IB) examination in this language.

**GER2200  Intermediate German I**

Offered as Needed 3.00 Credits - 0.00 Hours

Credit for this course is awarded to entering students with the appropriate score on the College-Level Examination Program (CLEP) or the International Baccalaureate (IB) examination in this language.

**GER2201  Intermediate German II**

Offered as Needed 3.00 Credits - 0.00 Hours

Credit for this course is awarded to entering students with the appropriate score on the Advanced Placement (AP), College-Level Examination Program (CLEP) or the International Baccalaureate (IB) examination in this language.

**GEY1000  Gerontology Excelsior Exam**

Offered as Needed 3.00 Credits - 0.00 Hours

Credit for this course is granted to students with passing scores on the Excelsior College Examination in Foundations of Gerontology.

**GIS1000  Cartographic Design Basics**

Fall, Spring 3.00 Credits - 3.00 Hours

This course will introduce students to the key elements of map design and how they are used to create maps that are clear and substantial. Topics include the identification of the different types of maps, the importance of using appropriate map design techniques, graphic hierarchy and design form. ArcGIS software and a series of labs will be used to design and create map products. Prerequisite: GIS 1040.

**GIS1040  Fundamentals of Geographic Information Systems**

Fall 3.00 Credits - 3.00 Hours

This course will introduce the student to the use of geographic information systems (GIS) in spatial data exploration, map layout creation and data editing and analysis. This course is a fundamental-level course that
assumes no prior knowledge of GIS. Topics covered will include the applications of GIS in various fields, the structure of the ArcGIS platform, the use of different tools to explore and modify spatial data and the analysis of spatial data to answer real world questions.

**GIS3015C**  
**Introduction to GIS with Lab**  
Fall, Spring  
3.00 Credits - 3.00 Hours

This course covers the analysis of map properties and use of maps as sources of information, including the essentials of location, scale, projections, direction, elevation and general map elements. An introduction to map-making in geographic information systems is presented.

**GLY1000**  
**Introduction to Geology**  
Fall, Spring, Summer  
3.00 Credits - 3.00 Hours

This beginning course is designed to give the student a basic understanding of Earth. Emphasis is on Earth materials, geologic hazards, the water cycle and plate tectonics. This course satisfies a natural science requirement and provides background knowledge for further courses in Earth sciences.

**GLY1030**  
**Geology and the Environment**  
Offered as Needed  
3.00 Credits - 3.00 Hours

This course will introduce the student to the Earth as an environmental system. Focus will be on energy resources, soils, geologic hazards, the water cycle, principles of climate and climate change and environmental contamination.

**GLY1101**  
**Fossils and the History of Life**  
Fall  
3.00 Credits - 3.00 Hours

This course provides an introduction to the fossil record of life on Earth. Focus will be on modes of preservation, identification of fossil material, evolution and the fossil record of invertebrate and vertebrate animals. A field trip may be required.

**GLY2010C**  
**Physical Geology with Laboratory**  
Offered as Needed  
4.00 Credits - 5.00 Hours

This course provides a survey of introductory ideas in physical geology, including Earth materials, geologic hazards, plate tectonics, the water cycle and surficial landforms. Laboratory work will consist of identification of minerals and rock specimens, interpretation of stratigraphic units and work with topographic, physiographic and geologic maps and imagery. Field trips may be required. Lab fee required.

**GLY2100C**  
**Historical Geology with Laboratory**  
Offered as Needed  
4.00 Credits - 5.00 Hours

This course will introduce the student to the geological and biological history of Earth. Focus of study will be on sedimentary rock formation and stratigraphy, interpreting ancient sedimentary environments, the historical progress of plate tectonics and orogenic events, paleoclimatic interpretations and the fossil record of life on Earth. A field trip may be included. Lab fee required.

**GLY3884**  
**Environmental Geology**  
Fall, Spring, Summer  
3.00 Credits - 3.00 Hours

This course will introduce the student to the Earth as a system and the complex interactions between humans and their non-living environment. Important topics will include Earth materials (rocks, minerals, sediments and soils), plate tectonics, geologic hazards, the water cycle, energy resources, principles of climate and climate change and environmental contamination. Prerequisites: BSC 1005 or higher and CHM 1020 or higher and PHY 1053C or higher.

**GRA1331C**  
**Production Theory, Media and Practices**
This course focuses on the production, process and flow for media available to Web, computer-generated computer graphics and animation in the multi-faceted multimedia environment. This course identifies production methods, file and format needs and recommends appropriate techniques based on desired output. Focus is placed on multimedia components, projections and screen outputs for special and specialty projects while exploring foundations for computer-aided digital production. The topics of workflow issues and the variety of design and production vehicles will be addressed. Lab fee required.

GRA2101  Introduction to Computer Graphics

Offered as Needed  3.00 Credits - 3.00 Hours

The Introduction to Computer Graphics course is designed to familiarize publishing, graphic, art and multi-media students with the basics of hardware and software of the computer system for electronic publishing. Students will be familiarized with commercial graphic design and printing issues as applied to publishing systems. Lab fee required.

GRA2121  Digital Publishing I

Spring  3.00 Credits - 3.00 Hours

This course is designed to teach the concepts, terminology and principles of desktop publishing using industry computer software to communicate visual concepts used for the printing of publications such as brochures, advertisements, books and magazines. The student will develop the skills necessary to create publications designed for print publishing and production. Lab fee required. Prerequisite: DIG 2000.

GRA2122  Digital Publishing II

Fall  3.00 Credits - 3.00 Hours

This is an advanced course in page layout software. Designed to teach advanced techniques and principles of digital publishing to assist students in gaining stronger creative control and improved production capabilities. Students create publications displaying multi-faceted integration of sophisticated text and graphic techniques. Emphasis will focus on the development of long-page publications and Internet connectivity. Lab fee required. Prerequisite: GRA 2121 or permission of instructor.

GRA2124  Layout and Design

Spring  3.00 Credits - 3.00 Hours

This course is a foundation to computer-aided digital publishing. It will explore various means of viewing visual elements in design. Focus is upon the foundations of professional design skills for computer graphics, multimedia, film and video and animation. Various media are used to explore traditional media, photography, illustration, animation, film and video and other image media development. The student is introduced to typography, typeface and type as a design element as well as composition, layout, pagination, style, balance, format and project planning. Lab fee required. Prerequisite: DIG 2109C.

GRA2142C  Web Effects I

Fall  3.00 Credits - 3.00 Hours

This course provides an introduction to the creation of multiple forms in two-dimensional animation. The course is designed to familiarize the individual with a variety of 2D animation programs and their application to the Web. Students will learn the basics of thumbnail storyboarding, object creation and object manipulation for animated sequence. Lab fee required. Prerequisite: DIG 2500C.

GRA2143C  Web Publishing II

Fall  3.00 Credits - 3.00 Hours

This course includes advanced topics in the design and preparation of websites, including the Web home.
This is an advanced course in computer graphics in the design profession. Students will use the computer to create original artwork and illustrations that will be used in professional publications. Advanced concepts, features and professional illustration are further explored. Lab fee required. Prerequisite: DIG 2000.

GRA2191C  Layout and Design II

Fall, Spring, Summer  3.00 Credits - 3.00 Hours

This course is an advanced design course focused on visual, conceptual and technical design skills used in the digital publishing of computer graphics, motion graphics, film and video and animation. Focus will be on finding collaborative design solutions to design problems along with the advanced study of the conceptualization of a message and the process it must go through to accurately and effectively reach its audience. The student will explore various applications of design through extensive study of design principles and elements, digital color issues, typography, style, composition and various problem-solving skills. Prerequisite: GRA 2124.

GRA2201  Digital Imaging I

Fall, Spring, Summer  3.00 Credits - 3.00 Hours

This course is an introduction to Photoshop software which provides an extensive variety of electronic tools for manipulating photographs and creating illustrations. The course is designed for the graphics individual who wishes to integrate photography with page layouts. Students will learn the basics of scanning, retouching, color correcting, proofing and output to printer devices. Lab fee required.

GRA2206  Typography

Fall  3.00 Credits - 3.00 Hours

This course teaches typography as a primary tool of all graphic designers. The emphasis of the course is in the elements and anatomy of type and its expressive, technical and visual aspects. This course also teaches typeface, size, leading, line length, headlines, grids,
hierarchy and the overall character in developing creative elements. Readability in type is examined in the development of publications - ads, books, brochures, identity systems and posters. Prerequisite: DIG 2109.

**GRA2207C  Digital Imaging II**

**Fall 3.00 Credits - 3.00 Hours**

This is a course for experienced Photoshop software graphic design users who wish to expand their skills in the application of this electronic tool for manipulating photographs and illustrations. The course introduces new features, tips and techniques for using these electronic tools. The goal is to apply more controls and improve production capabilities. Lab fee required. Prerequisite: GRA 2201.

**GRA2757C  Mobile Web Development**

**Spring 3.00 Credits - 3.00 Hours**

This course introduces students to web design for mobile devices. Topics include planning an effective mobile website, industry standard Mobile Markup Language, CSS, mobile commerce, social media, testing and publishing. Upon successful completion of this course, students will be able to plan, develop, test and publish web content designed for mobile devices. Lab fee required. Prerequisite: GRA 2144C.

**GRA2843C  Web Effects II**

**Fall, Spring 3.00 Credits - 3.00 Hours**

This course is an advanced study in the creation of multiple forms in two-dimensional animation as well as an introduction to web-related, three-dimensional animation. The course is designed to familiarize the individual with a variety of 2-D and 3-D animation programs and their application to the Web. Students will learn the advanced techniques in thumbnail storyboarding, object creation and object manipulation for 2-D animation as well as incorporating basic 3-D animation concepts. Lab fee required. Prerequisite or corequisite: GRA 2142C.

**GRA2905C  Directed Studies in 3D Printing Technology/Rapid Prototyping**

**Offered as Needed 3.00 Credits - 3.00 Hours**

This course is an introduction to 3D printing. 3D printing is an additive manufacturing process whereby objects are built up from plastic filament, liquid resin, powder, bio-compatible and edible materials. Literacy in basic 3D modeling and manufacturing is an essential skill for future STEM success. Students will learn about desktop 3D printing/rapid prototyping, customizing products and creating new alternatives. Lab fee required.

**GRA2930  Selected Studies in Computer Graphics**

**Offered as Needed 3.00 Credits - 3.00 Hours**

In this course topics of current interest are presented in group instruction.

**GRA2931  Selected Studies in Computer Graphics**

**Offered as Needed 1.00 Credit - 1.00 Hour**

In this course topics of current interest are presented in group instruction.

**GRA2941  Cooperative Education Internship in Computer Graphics**

**Offered as Needed 1.00 Credit - 1.00 Hour**

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn cooperative education credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student’s academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s)
specifically aligned with the student’s chosen major as identified in the student’s program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

**GRA2942  Cooperative Education Internship in Computer Graphics**

Offered as Needed 2.00 Credits - 2.00 Hours

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn cooperative education credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student’s academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student’s chosen major as identified in the student’s program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

**GRA2949  Cooperative Education Internship in Computer Graphics**

Offered as Needed 3.00 Credits - 3.00 Hours

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn cooperative education credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student’s academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student’s chosen major as identified in the student’s program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

**GRA2950  Graphic Arts Study Abroad**

Offered as Needed 3.00 Credits - 3.00 Hours

A global, multi-cultural experience has become an increasingly vital part of a student’s education. This study abroad course provides students with opportunities to explore significant international, historical and contemporary sites. Students are exposed to the cultural influences of the arts, graphic arts and architecture. Lectures and course work are complimented by walking tours led by experienced faculty and guest professionals. Students must be 18 years of age on or before departure.

**HCP0020C  Patient Care Assistant**

Fall, Spring 2.50 Credits - 75.00 Hours

This course is for students who are currently Certified Nursing Assistants in the state of Florida or who have successfully completed HCP 0121C and HCP 0332C and want to obtain the additional skills necessary to work in a healthcare facility other than a nursing home. Lab fee required. Students must complete HSC 0003 and HCP 0121C with a grade of “C” or higher to continue in this course. Prerequisites: TABE test - no minimum scores required and HCP 0121C and HCP 0332C with a grade of “C” or higher or current Florida Certified Nursing Assistant certification.

**HCP0121C  Nursing Assistant**

Fall, Spring 2.50 Credits - 75.00 Hours

This course is designed to provide classroom, nursing laboratory and clinical experiences for selected tasks related to personal hygiene, comfort and safety measures for residents in long-term care facilities. Resident care is performed under direct supervision of a registered instructor. Lab fee required. Prerequisite:
TABE scores or TABE exemption-no minimum scores required.

* HCP0330  Home Health Aide

Spring, Summer  2.50 Credits - 75.00 Hours

The course content includes instruction in those supportive services that are required to provide and maintain bodily and emotional comfort and to assist the patient toward independent living in a safe environment as stated in the Rules of the Department of Health - Minimum Standards for Home Health Agencies. Prerequisite or corequisite: HSC 0003.

* HCP0332C  Advanced Home Health Aide

Fall, Spring  1.66 Credits - 50.00 Hours

This course prepares Certified Nursing Assistants for employment in the home healthcare field. Current Florida Certified Nursing Assistants and students who successfully complete the Nursing Assistant program are eligible to enroll in HCP 0332C. The course will prepare students to deliver care to clients wishing to maintain their independence by remaining in their homes. The role of the Home Health Aide and legal and ethical considerations are discussed. Personal care, maintaining activities of daily living, food preparation and household management are included in the course. Lab fee required. Students must complete HSC 0003 and HCP 0121C with a grade of “C” or higher to continue in this course. Prerequisites: HSC 0003 and HCP 0121C with a grade of “C” or higher. Corequisite: HCP 0020C.

* HEV0800  Early Childhood Professional Certificate (ECPC)

Fall, Spring  2.66 Credits - 80.00 Hours

In this course students will cover developmentally appropriate practices when working with children ages birth through age eight, acquire competence in the areas of creating a successful developmentally appropriate curriculum and lesson plans, develop the ability to motivate children, recognizing cultural differences when planning activities including children with special needs. Professionalism and advocacy will be imbedded within the program to better inform students of the role the early childhood provider plays within the childcare community. Department permission required.

HFT1000  Travel and Tourism- Cambridge (AS-Level)

Offered as Needed  3.00 Credits - 0.00 Hours

Credit for this course is awarded to entering students with appropriate scores on the Cambridge examination in Travel and Tourism (AS-Level).

HFT1930  Travel and Tourism Cambridge

Offered as Needed  6.00 Credits - 0.00 Hours

Credit for this course is awarded to entering students with appropriate scores on the Cambridge examination in Travel and Tourism.

HIM1000  Introduction to Health Information Management

Fall, Spring, Summer  3.00 Credits - 3.00 Hours

Students will learn the history, purpose and content as well as professional ethics and legal principles of the medical record and health information. Topics pertaining to the Health Information Management Department including the functions, workflow and quality considerations will be discussed. Students will compare the paper medical record to the electronic health record. Furthermore, course content includes an introduction to Department of Health and Human Services (DHHS), Centers for Medicare and Medicaid Services (CMS), Health Insurance Portability and Accountability Act (HIPAA), Joint Commission, The Office of the National Coordinator for Health Information and professional organizations affiliated with health information, medical coding and medical documentation integrity. Prerequisites: ENC 1101 or ENC 1102 and CGS 2100C and HSC 1531 with grades of “C” or higher.
### HIM1442  Pharmacology and Lab Medicine

**Fall, Spring**  
3.00 Credits - 3.00 Hours

This course is a study of the principles and language of pharmacology and laboratory medicine, including drugs and drug classes, diagnostic tests, indications, techniques, expression of values and significance of findings. Prerequisite: HSC 1531.

### HIM1451  Human Pathophysiology and Pharmacology

**Fall, Spring, Summer**  
4.00 Credits - 4.00 Hours

This course provides an overview of all body system diseases and conditions, including etiology, signs and symptoms, diagnostic treatment modalities, prognosis and prevention. This course will provide the student the opportunity to explore basic concepts regarding the most common therapeutic medications prescribed to treat the most common human disease conditions. The five rights of drug administration and causes of medication errors will also be identified in order to enhance medical record review. Prerequisites: HSC 1531 and HIM 1453 or BSC 1020 or BSC 1084 or BSC 2093C and BSC 2094C with grades of “C” or higher.

### HIM1453  Anatomy and Physiology

**Fall, Spring, Summer**  
3.00 Credits - 3.00 Hours

This course is a presentation of the essential anatomy and physiology of the human body. All body organ systems are discussed in a format of lecture, diagrams and audio-visual material. The course will introduce some aspects of chemistry and microbiology as it relates to healthcare, although emphasis is not placed in these areas. A knowledge of the anatomy and physiology of the human body as a basis for later study of disease processes is an essential part of the curriculum for students in the health profession.

### HIM2012  Legal Aspects of Health Information

**Fall, Spring**  
3.00 Credits - 3.00 Hours

This course will introduce students to the structure of the American legal system and the principles of health law, including healthcare case studies. The course surveys the federal and state court structure and legal proceedings pertaining to healthcare. Students will gain a thorough understanding of the role that medical record information has in legal proceedings, healthcare legislation and regulations. Emphasis will be placed on medical record confidentiality, access, release and disclosure and laws pertaining to retention and patient rights. Knowledge of the legal issues surrounding computerized medical records will be explored. Medical professional ethics and HIPAA privacy and security issues will be reinforced. Prerequisite: HIM 1000 with a grade of “C” or higher.

### HIM2211C  Computer Applications and Technologies in Healthcare

**Spring, Summer**  
3.00 Credits - 3.00 Hours

This course provides an overview of healthcare information systems with a concentration on computerized health information management (HIM) functions. Students will be introduced to common software applications utilized to perform HIM processes. Emerging technology issues in healthcare will be explored. Lab fee required. Prerequisites: HIM 2722C and HIM 2012 with a grade of “C” or higher.

### HIM2214  Health Data Analysis Research and Management

**Summer**  
3.00 Credits - 3.00 Hours

This course will provide students with knowledge and understanding of the collection, computation, compilation and presentation of internal and external reporting of statistical healthcare information in the following four categories: administrative, quality, utilization and financial. Topics include the use and application of statistics in healthcare, commonly used healthcare utilization statistical computations, vital statistics, uniform reporting requirements, health information indices, databases and disease registries, Institutional Review Board processes and knowledge-based research methods. Prerequisites: HIM 2272 and
HIM 2510 and CGS 2108C with grades of “C” or higher.

HIM2272 Advanced Reimbursement Principles of Healthcare Services

Spring 3.00 Credits - 3.00 Hours

This course provides an understanding of the healthcare reimbursement methodologies and issues including PPS, DRGs, APCs, ASC groups and applicable state and federal regulations related to HIPAA mandated electronic claims transaction and UB-04 claims processing. Requirements for payers and Quality Improvement Organizations (QIO) are discussed. Included is an introduction to regulatory compliance, revenue cycle and Charge Description Master (CDM) maintenance. This course will help prepare the student to pursue a multifunctional career path in areas dealing with health information management, healthcare claim and reimbursement in physician offices and/or acute care facilities. Prerequisites: CGS 2545C, HIM 2722C, HIM 2510 and HIM 2012 with grades of “C” or higher.

HIM2292 Advanced Coding Applications

Fall, Summer 3.00 Credits - 3.00 Hours

This course covers advanced medical coding in the integrated use of ICD-10-CM, ICD-10-PCS, CPT and HCPCS. Students will learn the key attributes of ICD-10-PCS, including the organization, structure, conventions and tables. The student will apply the medical coding skills acquired through academic instruction to select diagnoses and procedures based on the Uniform Hospital Discharge Data Set (UHDDS) guidelines. This course is designed to increase the quality and accuracy of coding selection by applying official coding guidelines and policies. Regulatory changes and updates affecting coding and reimbursement will be discussed, including concepts related to hospital MS-DRGs, case mix and APCs. Students will gain hands-on experience in the use of encoders and groupers to code medical charts. This course will also explore the physician query process. Prerequisite: HIM 2721C with a grade of “C” or higher. Corequisite or Prerequisite: HIM 2211C.

HIM2510 Health Care Performance Improvement Practices

Fall 3.00 Credits - 3.00 Hours

This course develops an understanding of the quality management initiatives in healthcare, including utilization review, case management, risk management, medical staff credentialing and peer review. The study of quality management in healthcare will be based upon the roles and influences of accrediting bodies, regulatory agencies, legislation, society and payers. Prerequisites: CGS 2108C and HIM 1000 with grades of “C” or higher. Prerequisites/corequisites: HIM 2012 and HIM 2722C.

HIM2512 Management of Health Information Operations

Summer 3.00 Credits - 3.00 Hours

This course is an introduction to the management of health information operations. Subjects of focus will be principles of human resources, planning and budgeting, orientation, training and staffing of personnel, organizing work processes, including ergonomics considerations and evaluating and improving work performance. Prerequisites: HIM 2211C, HIM 2272, HIM 2510 and HIM 2940 with grades of “C” or higher.

HIM2720C Advanced Medical Coding

Summer 3.00 Credits - 3.00 Hours

This course covers advanced medical coding in the integrated use of ICD-10-PCS, CPT and HCPCS. The student will apply the medical coding skills acquired through academic instruction to select diagnoses and procedures based on the UHDDS guidelines. This course is designed to increase the quality and accuracy of coding selection by applying official coding guidelines and policies. Regulatory changes and updates affecting coding and reimbursement will be discussed, including concepts related to hospital MS-DRGs, case mix and ASCs. Students will gain hands-on experience in the use of encoders and groupers to code medical charts. Computer-assisted
coding (CAC) will be introduced. Prerequisites: HIM 2272 and HIM 2721C and HIM 2510 and HIM 2940 with grades of "C" or higher.

**HIM2721C Outpatient Coding and Electronic Physician Office**

**Spring, Summer** 3.00 Credits - 3.00 Hours

This course is designed to provide a detailed approach to accurately using the physician’s current procedural terminology (CPT) for proper coding in an outpatient setting. Students will continue to apply the skills acquired in HIM 2722 ICD-10-CM. Emphasis is placed on practical simulation of computer-assisted activities which are common to the daily routine of the electronic medical office. The practice management system and electronic health record is used as a typical example of computer programs that are available for efficient practice operations. Strong emphasis will be placed on regulatory compliance and auditing. Students who have completed HIM 2253C and HIM 2273 do not need to take this course. Lab fee required. Prerequisite: HIM 2722C with a grade of "C" or higher. Prerequisite or corequisite: HIM 2940.

**HIM2722C Basic Disease Coding**

**Fall, Spring** 3.00 Credits - 3.00 Hours

This course provides a thorough demonstration of the international classification of diseases ICD-10-CM. Students will understand general equivalency mapping for ICD-10 and the use of other vocabulary and classification systems such as SNOMED, DSM IV, ICD-O, RXNORM, and LOINC. Students will gain an in-depth understanding of the organization, structure, conventions and guidelines of ICD-10-CM in order to accurately code and sequence diagnoses. Students will learn the purpose and uses of diagnosis coding. The importance of the standards of ethical coding, coding compliance and maintaining patient privacy will be stressed. Prerequisites: HINFO-AS or HINFO-CC program plan, HIM 1000 and HIM 1451 with grades of "C" or higher and prerequisite/corequisite HIM 2012.

**HIM2724 Basic Procedure Coding**

**Fall** 3.00 Credits - 3.00 Hours

This course provides an introduction to the International Classification of ICD-10-PCS. Students will learn the key attributes of ICD-10-PCS, including the organization, structure, conventions, tables and will interpret healthcare data and apply coding guidelines for ICD-10-PCS code assignment. Students will differentiate between ICD-9-CM procedure codes and ICD-10-PCS codes and understand the use of code mapping between different classification systems for retrieval of historical data. The benefits of ICD-10 for health information exchange standards and interoperability will also be explored. Prerequisites: HIM 1000 and HIM 1433 and HSC 1149 or HIM 1442 with grades of "C" or higher and HINFO-AS or HINFO-CC program plan. Corequisite: HIM 2722C.

**HIM2933 Selected Studies in Health Information**

**Offered as Needed** 3.00 Credits - 3.00 Hours

In this course topics of current interest are presented in group instruction.

**HIM2940 Practicum Experience I**

**Fall, Spring, Summer** 3.00 Credits - 3.00 Hours

This course allows the student to use software and other tools and resources to support clinical classification, coding and grouping following regulations and guidelines, validate coding accuracy based on documentation in the health record, apply guidelines applicable to reimbursement methodologies, compile data and review accuracy. The student will be able to demonstrate their employability skills and identify professional standards appropriate to healthcare workers. Prerequisites: HIM 2012 and HIM 2722C with a grade of "C" or higher. Prerequisite/corequisite: HIM 2292.

**HIM2943 Practicum Experience II**
**Summer** 3.00 Credits - 3.00 Hours

This is a capstone course for the Health Information Management A.S. program where students will complete a supervised professional practice experience in a health information management (HIM) department of a hospital and alternative healthcare setting. The student will review HIM workflow and perform advanced HIM functions in order to bridge the academics of HIM to current HIM workforce needs and responsibilities. Emphasis will be placed on records retrieval and retention, assembly, qualitative and quantitative record analysis, inpatient and outpatient coding, abstracting, statistical compiling and reporting of healthcare data, release of information and use of specific HIM software applications. Prerequisites: HIM 2211C, HIM 2510, HIM 2272, HIM 2940 and INP 2002 with grades of “C” or higher. Prerequisites or corequisites: HIM 2292, HIM 2512 and HIM 2214.

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<th>Course Code</th>
<th>Course Title</th>
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<th>Credits - Hours</th>
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<td>HIS1944</td>
<td>Islamic History IB</td>
<td>Offered as Needed</td>
<td>3.00 Credits - 0.00 Hours</td>
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<tr>
<td>HIS1945</td>
<td>Islamic History IB</td>
<td>Offered as Needed</td>
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<tr>
<td>HIS2930</td>
<td>Selected Studies in History</td>
<td>Offered as Needed</td>
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<tr>
<td>HLP1081</td>
<td>Wellness Appraisal and Improvement</td>
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**Fall, Spring** 3.00 Credits - 3.00 Hours

This course will introduce students to the need for and benefits of regular physical activity by exploring healthful life style alternatives, attitudes and different types of exercise. Students will develop and participate in a personal program of fitness and weight management including exercise for cardiorespiratory endurance, muscular strength, flexibility and relaxation.

**HLP2905**  Directed Studies in Wellness

Offered as Needed 3.00 Credits - 3.00 Hours

This course is scheduled for individual students who wish to explore topics not covered in the curriculum. The student and instructor will design a course of study (learning contract). Approval from the dean is required prior to registration. This course may be taken three times for credit.

**HLP2949**  Cooperative Education Internship in Physical Education and Recreation

Offered as Needed 1.00 Credit - 3.00 Hours

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn cooperative education credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student’s academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student’s chosen major as identified in the student’s program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.
HPS2100H  Honors - History Meets Science

Fall, Spring, Summer  3.00 Credits - 3.00 Hours

This course will use an interdisciplinary approach to create an introduction to both science and European history during the medieval and Renaissance periods. Students will examine major historical events, actors, ideas and cultural trends. They should also strengthen their skills in writing, reading and critical analysis. Each historical theme for study will correspond to a concept in science so that students will be able to approach architecture, military engineering and other elements of period life with modern scientific knowledge. Permission required from Honors director. Prerequisites: Acceptance into Honors program and ENC 1101 or ENC 1101H.

HSA3113  Healthcare Trends and Issues

Fall, Spring, Summer  3.00 Credits - 3.00 Hours

This course provides the student with the knowledge of key issues and trends of the U.S. healthcare system. This course promotes the analysis of key healthcare issues with an emphasis on healthcare policies and initiatives that shape healthcare delivery. An analysis of the current structure of profit versus non-profit healthcare organizations, financing healthcare and the impact of financial stakeholders will be emphasized. Ethical issues that develop when government, the private sector and consumers vie to influence healthcare are presented as a component of evidence-based policy revisions. Students are introduced to the different types of research, its focus, methods and the nature of their subsequent findings.

HSA3191  Health Information Systems

Fall, Spring, Summer  3.00 Credits - 3.00 Hours

This course provides an overview of technology and information systems employed in the healthcare industry today. Topics include the Internet and health, growing use of information technology in health, electronic medical records, protecting privacy, technical considerations, health applications of the Internet and telemedicine, public policy issues, organizational issues and technical issues and challenges.

HSA3383  Continuous Quality Monitoring and Accreditation

Fall, Spring, Summer  3.00 Credits - 3.00 Hours

This course provides a foundational exploration of the concepts of healthcare accreditation and continuous quality monitoring. The concept of quality assurance is explored from a perspective of selected accreditation, regulatory, licensing and certification programs. The interface of accreditation and reimbursement is explored. Health information systems are used in the analysis of health care accreditation, government mandates and regulatory activities as they impact consumer outcomes. Legal implications of quality monitoring are analyzed. Social, political, professional and organizational influences upon health services delivery are explored from a perspective of demand, special populations, financing and service delivery.

HSA4110  Healthcare Financial Management

Fall, Spring, Summer  3.00 Credits - 3.00 Hours

This course is for non-financial managers who need basic knowledge of financial management and healthcare finance and also serves as an introductory course for those who will be more directly involved in the financial aspects of healthcare. The course includes an overall explanation of financial accounting terminology, how it works, review of financial reports and the managerial component that is necessary for everyday management in healthcare settings. The course uses actual examples from hospitals, long-term care facilities and home health agencies, as well as case studies to prepare students to read, analyze, understand and use financial statements and budgets.

HSA4184  Leadership in Healthcare Organizations

Fall, Spring, Summer  3.00 Credits - 3.00 Hours

This course introduces students to an overview of the basics of leadership and management with an
emphasis on the roles, functions and skills necessary in the changing healthcare environment. Organizational patterns of various types of healthcare institutions, such as hospitals, long-term care facilities, outpatient services and community agencies are analyzed. Introduction to various administrative functions, including departmental functions, policy information, internal control systems, planning procedures, fiscal and personnel management, public relations and various information needs of administration will also be covered.

HSA4553  Legal and Ethical Aspects in Healthcare

Fall, Spring, Summer  3.00 Credits - 3.00 Hours

This course provides an overview of the legal and ethical aspects faced by healthcare consumers, practitioners, administrators and healthcare facilities. Students will be introduced to the structure of the American legal system and the principles of health law. Ethical theories and philosophies and their application to various components of the healthcare delivery system will be introduced. Medical professional ethics, HIPAA privacy and security issues will be reinforced.

* HSC0003  Basic Healthcare Worker

Fall, Spring, Summer  3.00 Credits - 90.00 Hours

This introductory course provides an overview of the health professions and the healthcare delivery system. Topics include disease prevention and wellness promotion, guidelines for legal, ethical and moral practice and communication skills. Students will be introduced to the use of computers in healthcare, including diagnostic and monitoring capabilities. The emphasis of this course is to establish a firm foundation of professional characteristics, behaviors, values, skills and knowledge for students to build upon in their healthcare careers. Prerequisites: TABE reading and language with minimum scores of 582 and 572 or test scores that indicate ENC 1101 eligibility or appropriate college developmental courses for ENC 1101 eligibility with a grade of “C” or higher or ENC 1101 with a grade of "C" or higher.

HSC1100  Personal and Community Health

Fall, Spring, Summer  3.00 Credits - 3.00 Hours

This course is designed to help college students understand the vital concepts about health and effective living. Topics include studying some of the scientific principles, identifying related health problems and issues in our changing society and environment and providing a background for intelligent decisions throughout one’s lifetime concerning health.

HSC1140  Substance Abuse DSST Exam DANTES

Offered as Needed  3.00 Credits - 0.00 Hours

Credit for this course is granted to students with passing scores of 49 or higher on the DSST Examination (DANTES) in Substance Abuse.

HSC1531  Medical Terminology

Fall, Spring, Summer  3.00 Credits - 3.00 Hours

This is an introductory course to the language of medicine utilized by healthcare professionals. Basic word structure and formation, medical terms, abbreviations, definitions and spelling are included. Major disease processes and pathological conditions of specific body systems will be discussed. Prerequisites: TABE reading and language with minimum scores of
582 and 572 or test scores that indicate ENC 1101 eligibility or appropriate college developmental courses for ENC 1101 eligibility with a grade of “C” or higher or EAP coursework for ENC 1101 eligibility with grades of “C” or higher or ENC 1101 with a grade of “C” or higher.

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<th>Course Code</th>
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<th>Hours</th>
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<tbody>
<tr>
<td>HSC2400</td>
<td>First Aid and CPR</td>
<td>Fall, Spring, Summer</td>
<td>3.00</td>
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<td></td>
<td>This course is designed to provide the knowledge and skills needed to meet emergency first aid situations. There will be comprehensive training in recognition, evaluation and handling victims of illness or accidents. Students, after successful completion, will receive certification in the American Heart Association’s Healthcare Provider (CPR) course or a Heart Saver/First Aid card. Lab fee required.</td>
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<tr>
<td>HSC2950</td>
<td>Travel Study in Healthcare</td>
<td>Fall, Spring, Summer</td>
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<td>This is a travel/study course combining preparation on campus, travel and study in the discipline of health sciences. Content is variable depending on the program in which the student enrolls and the specific topics to be covered. Students must be 18 years of age on or before departure. Permission of the instructor is required.</td>
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<tr>
<td>HSC3502</td>
<td>Major Diseases in the U.S. Population</td>
<td>Fall, Spring, Summer</td>
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<td>This course provides an overview of medical and psychosocial aspects of chronic diseases, including issues of disability management.</td>
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<tr>
<td>HSC3661</td>
<td>Communications for Healthcare Professionals</td>
<td>Fall, Spring, Summer</td>
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<td>This course is designed to enhance student understanding of the specific health benefits that come from positive communication between medical professionals and patients, clients, staff or other lay audiences. Students will be exposed to a variety of communication strategies relevant to the health professions. Topics will include written and oral communication techniques for health and business-related situations.</td>
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<tr>
<td>HSC3940</td>
<td>Cooperative Education in Health Sciences</td>
<td>Fall, Spring, Summer</td>
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<td>This course is designed to provide students with the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn cooperative education credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student’s academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student’s chosen major as identified in the student’s program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.</td>
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<tr>
<td>HSC4032</td>
<td>Theory and Practice of Teaching Health Science</td>
<td>Fall, Spring, Summer</td>
<td>3.00</td>
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|             | This is an introductory course for health educators that encompasses learning theories and instructional methods. Focus is placed on commonly used and innovative theories with emphasis on determining applicability to the simulation environment. The course will include basics of instructional development, curriculum design and principles of formative and summative evaluation. Teaching methods that
promote learning and provide motivation for continued learning will be explored.

HSC4231  Client Education in Healthcare

Fall, Spring, Summer  3.00 Credits - 3.00 Hours

This course focuses on the delivery of client-specific health education. An emphasis will be placed on assessing and delivering educational programs that include health, wellness, disease, disease prevention and quality of life. Students will learn to evaluate training methods, curriculum, objectives and educational experiences that will best serve diverse patient populations.

HSC4240  Trends and Theoretical Foundations in Healthcare Simulation

Fall, Spring, Summer  3.00 Credits - 3.00 Hours

This course will review the historical trends of healthcare simulation and focus on current trends and best practices. Classroom discussions will include the development of simulation education in healthcare. A focus will be on how simulation is used in a variety of settings and by different professions.

HSC4244  Managing a Simulation Program or Center

Fall, Spring, Summer  3.00 Credits - 3.00 Hours

The purpose of this course is to provide the opportunity for students to gain knowledge and skill in planning, designing and maintaining a simulation center. Content will include organizing, set-up, maintenance, trouble-shooting, technology and personnel needs for a simulation program/center.

HSC4245  Instructional Technologies in Healthcare Simulation

Fall, Spring, Summer  3.00 Credits - 3.00 Hours

This is an overview course of the technology used to implement healthcare simulation education programs. Modalities include, but are not limited to, computer and web-based simulators, environmental fidelity, psychological fidelity, manikin-based simulators, virtual reality, virtual environments, standardized patients and haptic simulators. Discussion will focus on how technology is used to support the educational process.

HSC4246C  Simulation Operations

Fall, Spring, Summer  3.00 Credits - 3.00 Hours

This course is designed to introduce the student to the operations that pertain to a simulation program or center. Students will be exposed to a variety to simulation modalities including, but not limited to, computer and web-based simulators, environmental fidelity, psychological fidelity, manikin-based simulators, virtual reality, virtual environments, standardized patients and haptic simulators.

HSC4404  Medical Disaster Management

Fall, Spring, Summer  3.00 Credits - 3.00 Hours

This course introduces students to various facets of natural and technological disasters while integrating public health research designs and practices. Discussions will utilize recent and historical case studies as a basis for developing the critical thinking and leadership skills needed by healthcare professionals in crisis situations. International, domestic and regional settings will be addressed as well as the social, economic and political aspects of disaster planning, preparedness and mitigation. Students also gain an understanding of basic public health concepts and methodologies.

HSC4500  Epidemiology

Fall, Spring, Summer  3.00 Credits - 3.00 Hours

This course will explore the role of epidemiology in healthcare practice and its impact on health policy. Types and methods of epidemiology and how it
shapes prevention efforts, health promotion and public health policy will be discussed.

HSC4555 Pathophysiology

Fall, Spring, Summer 3.00 Credits - 3.00 Hours

This course provides the student with an overview of the topic of pathophysiology for health-related degrees. Etiology, pathophysiology, diagnosis, prevention and treatment of the major human diseases are presented. Both infectious and non-infectious diseases of the human body system are included.

HSC4694 Individual, Group and Worksite Health Promotion Programs

Fall, Spring, Summer 3.00 Credits - 3.00 Hours

This course is designed for healthcare, public health and wellness professionals who desire to educate and support clients to achieve positive health goals through lifestyle changes and behavior modification. Topics will include the promotion of healthy lifestyle choices in nutrition, mindfulness and physical health. Coaching skills with a focus on the practical application of brief intervention and motivational interviewing skills is emphasized. Students will gain the knowledge and skills to develop, manage and sustain health and wellness programs while maintaining a supportive environment for behavior change.

HSC4730 Health Sciences Research

Fall, Spring, Summer 3.00 Credits - 3.00 Hours

This course incorporates basic research methods, processes and models in analyzing research studies and incorporating current quality standards and evidence-based protocols into healthcare. Students are introduced to the formal study of research methods, including literature search, hypothesis generation and testing, sampling theory, research design, data analysis and report-writing. Application of these methods will be utilized to research health-related and health administration-related topics.

HSC4922 Capstone Project in Health Sciences

Fall, Spring, Summer 3.00 Credits - 3.00 Hours

This course is a culminating experience for Health Science majors involving a substantive project that demonstrates a synthesis of learning accumulated in the major, including broadly comprehensive knowledge of the discipline and its methodologies. With faculty approval, students will complete a capstone project that aligns with their career goals. Examples include, but are not limited to, a business plan development, clinical research proposal or creating an educational module/presentation. The course objectives reflect the student learning outcomes for this degree.

HUM1020 Introduction to Humanities

Fall, Spring, Summer 3.00 Credits - 3.00 Hours

A course designed to promote the understanding and appreciation of the cultural heritage of humanity from the prehistoric period to the 21st century. Representative works in art, music, literature and philosophy will be studied, with an emphasis placed on the interrelationships of these various art forms. Global culturalism will be incorporated into the course content. This course partially satisfies the writing requirement of S.B. E. 6A-10.030. This class satisfies the General Education State Core Humanities requirement for AA degree seeking students. Corequisite: ENC 1101.

HUM1235 Introduction to Humanities

Offered as Needed 3.00 Credits - 3.00 Hours

Credit for this course is awarded to entering students with appropriate scores on the College Level Examination Program (CLEP) examination in Humanities.

HUM2022 Liberal Arts Humanities

Fall, Spring, Summer 3.00 Credits - 3.00 Hours


The design of this course creates a diverse learning community for students in the Liberal Studies program. The course is a multi-cultural and interdisciplinary study of fine arts, performing arts, literature, history and philosophy with special focus on race, gender and class. The course satisfies three credits of General Education requirements in Humanities and partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisite: ENC 1101.

HUM2022H  Honors Liberal Arts Humanities
Fall, Spring, Summer  3.00 Credits - 3.00 Hours

The design of this course creates a diverse learning community for students in the Liberal Studies program. The course is a multi-cultural and interdisciplinary study of the arts, performing arts, literature, history and philosophy with special focus on race, gender and class. Honors level material. The course satisfies three credits of General Education requirements in Humanities and partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisites: Acceptance into Honors Program and ENC 1101.

HUM2220  Ancient/Classical Humanities
Fall, Spring, Summer  3.00 Credits - 3.00 Hours

A course designed to promote the understanding and appreciation of humankind’s cultural heritage in the prehistoric, Egyptian, Mesopotamian, Judaic, Greek and Roman periods. Representative works in art, music, literature and philosophy will be studied. Global culturalism will be incorporated into the course content. The student will be introduced to Internet resources as they pertain to appropriate thematic materials. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisite: ENC 1101.

HUM2223  Medieval Humanities
Fall, Spring, Summer  3.00 Credits - 3.00 Hours

This course is designed to promote the understanding and appreciation of humankind’s cultural heritage in the Early Christian and Medieval periods. Representative works in art, music, literature and philosophy will be studied. Global culturalism will be incorporated into the course content. The student will be introduced to Internet resources as they pertain to appropriate thematic materials. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisite: ENC 1101.

HUM2232  Renaissance/Baroque Humanities
Fall, Spring, Summer  3.00 Credits - 3.00 Hours

This course is designed to promote the understanding and appreciation of the creative process and world culture. Representative works in art, literature, music and philosophy will be studied from the Renaissance and Baroque periods. Global culturalism will be incorporated into the course content. The student will be introduced to Internet resources as they pertain to appropriate thematic materials. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisite: ENC 1101.

HUM2234  18th and 19th Century Humanities
Fall, Spring, Summer  3.00 Credits - 3.00 Hours

This course is designed to promote the understanding and appreciation of the creative process and world culture. Representative works in art, literature, music and philosophy will be studied from the Enlightenment and Romantic periods. Global culturalism will be incorporated into the course content. The student will be introduced to Internet resources as they pertain to appropriate thematic materials. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisite: ENC 1101.

HUM2250  20th/21st Century Humanities
Fall, Spring, Summer  3.00 Credits - 3.00 Hours

This course is designed to study representative works of the 20th and early 21st centuries in the performing
arts, visual arts, music, literature, film and philosophy so that the student will appreciate the foundations of the 20th century and allow projections into the future. Global culturalism will be incorporated into the course content. The student will be introduced to Internet resources as they pertain to appropriate thematic materials. This course will also show how technology interacts with culture in the contemporary world. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisite: ENC 1101 or ENC 1101H.

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<td>HUM2250H</td>
<td>Honors 20th/21st Century Humanities</td>
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<tr>
<td>HUM2263</td>
<td>The World of Dickens</td>
<td>Fall</td>
<td>3.00 Credits - 3.00 Hours</td>
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<tr>
<td>HUM2322</td>
<td>Women, Gender and Culture</td>
<td>Fall, Spring</td>
<td>3.00 Credits - 3.00 Hours</td>
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This course is designed to introduce the student to the contributions of women in the humanities. It will examine their contributions to literature, art and music from the Classical period to the present day. Students will learn how gender has influenced production of the arts throughout these periods. Examining notions of masculinity and femininity will be a key component of the course and their various representations in art, literature and music will be a major subject of study. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisites: ENC 1101 and acceptance into Honors program.

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<td>HUM2410</td>
<td>Asian Humanities</td>
<td>Fall</td>
<td>3.00 Credits - 3.00 Hours</td>
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This course is designed to introduce the student to the Indian and Southeast Asian cultures. Emphasis will be placed on the basic myths underlying culture, their manifestation in the arts and their diffusion throughout South and Southeast Asia. Representative works in literature, mythology, philosophy and the visual arts will be studied. The student will be introduced to Internet resources as they pertain to appropriate thematic materials. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisite: ENC 1101.
Honors Asian Humanities is designed to introduce the student to the cultures of India, Tibet and Southeast Asia. The basic myths underlying culture will be studied as well as their manifestation in the arts. The course will explore the development of Indian thought with special emphasis on early Buddhism and the development of Mahayana Buddhist schools. Representative works in literature, mythology, philosophy and the visual arts will be studied. Archeological rites in Cambodia, Burma and Thailand will be studied as examples of myth in architecture. Honors level content. Permission required from Honors director. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisites: Acceptance into Honors program and ENC 1101 with a minimum grade of "C" or higher.

HUM2454 African American Humanities

Fall, Spring, Summer 3.00 Credits - 3.00 Hours

This course is designed to explore African American cultures and artistic manifestations and to promote increased awareness, understanding, degrees of tolerance and aesthetic appreciation of African American heritage. Pre-European African influences to modern cultural values of African American societies will be examined. Contemplative objects representing both visual and performing arts will be studied in their historical context. The student will be introduced to Internet resources as they pertain to appropriate thematic materials. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisite: ENC 1101.

HUM2454H Honors African American Humanities

Offered as Needed 3.00 Credits - 3.00 Hours

This course is designed to explore African American cultures and artistic manifestations and to promote increased awareness, understanding, degrees of tolerance and aesthetic appreciation of African American heritage. Pre-European African influences to modern cultural values of African American societies will be examined. Contemplative objects representing both visual and performing arts will be studied in their historical context. Honors level content. Permission required from Honors director. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisites: Acceptance into Honors program and ENC 1101 with a minimum grade of "C" or higher.

HUM2461 Latin American Humanities

Fall, Spring 3.00 Credits - 3.00 Hours

This course is designed to introduce the student to Latin American cultures and to promote the understanding and appreciation of its cultural heritage. Ancient to modern cultures will be surveyed. Emphasis will be placed on cultural roots and myth as well as artists' commitment to social and political struggle. Representative works in the visual arts, literature and music will be studied. No knowledge of Spanish or Portuguese is required. The student will be introduced to Internet resources as they pertain to appropriate thematic materials. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisite: ENC 1101.

HUM2461H Honors Latin American Humanities

Fall 3.00 Credits - 3.00 Hours

This course is designed to introduce the student to Latin American cultures and to promote the understanding and appreciation of Latin American heritage. Ancient to modern cultures will be surveyed. Emphasis will be placed on cultural roots and myth as well as artists' commitment to social and political struggle. Representative works in the visual arts, literature and music will be studied. No knowledge of Spanish or Portuguese is required. Honors level content. Permission required from Honors director. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisites: Acceptance into Honors program and ENC 1101 with a minimum grade of "C" or higher.

HUM2481 Native American Humanities

Fall, Spring 3.00 Credits - 3.00 Hours

This course is designed to explore Native American cultures and artistic manifestations and to promote increased awareness, understanding, degrees of tolerance and aesthetic appreciation of Native American heritage. Pre-European African influences to modern cultural values of Native American societies will be examined. Contemplative objects representing both visual and performing arts will be studied in their historical context. Honors level content. Permission required from Honors director. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisites: Acceptance into Honors program and ENC 1101 with a minimum grade of "C" or higher.
This course is designed to introduce the student to Native American cultures. It promotes an understanding and appreciation of the diverse traditions of nations that are indigenous to North America. Pre-colonial to modern cultural expressions will be reviewed. Emphasis will be placed on visual and performing arts, literature and oral traditions as they have varied by region and throughout history. Native American usage of new media and influences on non-native cultures will also be surveyed. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisite: ENC 1101.

**HUM2525 Introduction to Blues and Jazz**

| Fall, Spring, Summer | 3.00 Credits - 3.00 Hours |

This course is designed to introduce the student to primary forms and genres of blues and jazz music in both their historical and cultural context. Blues and jazz will be explored methodically as a distinctly American contribution to world music. The course will feature lecture and performance presentations by some of Florida’s better known musicians and commentators. Literary and visual images of blues and jazz idioms will be incorporated into the course content. Assigned readings with active listening are an intricate part of the course. The student will be introduced to Internet resources on the subject of blues and jazz themes. Students will be required to compose a journal with reactionary criticisms of blues and jazz guests and must complete a project that presents biographical and musical materials about a selected blues or jazz musician. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Note: This course fulfills the Area B Humanities requirement. Prerequisite: ENC 1101.

**HUM2740 Travel/Study in Humanities**

| Offered as Needed | 3.00 Credits - 3.00 Hours |

This is a travel/study course combining preparation on campus, foreign travel and study abroad in the discipline of Humanities. Students must be 18 years of age before departure. Permission of instructor or dean is required. Variable content depending on the program in which the student enrolls and the specific topics to be covered. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisite: ENC 1101.

**HUM2930 Selected Studies in Humanities**

| Offered as Needed | 3.00 Credits - 3.00 Hours |

In this course topics of current interest are presented in group instruction. This course may be taken four times for credit.

**HUM2930H Honors Selected Studies in Humanities**

| Offered as Needed | 3.00 Credits - 2.50 Hours |

In this course, topics of current interest are presented in group instruction. This course may be taken four times for credit. Acceptance into the Honors program or permission from the Honors Director required. Prerequisite: Acceptance into Honors program or permission of Honors director.

**HUM2931 Selected Studies in Humanities**

| Offered as Needed | 1.00 Credit - 1.00 Hour |

In this course topics of current interest are presented in group instruction. This course may be taken four times for credit.

**HUM2941 Cooperative Education Internship in Humanities**

| Offered as Needed | 1.00 Credit - 1.00 Hour |

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn cooperative education credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student’s academic...
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Offered As</th>
<th>Credits</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>HUM2942</td>
<td>Cooperative Education Internship in Humanities</td>
<td>Offered as Needed</td>
<td>2.00</td>
<td>2.00</td>
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<td></td>
<td>This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn cooperative education credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student's academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student's chosen major as identified in the student's program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.</td>
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<tr>
<td>HUM2949</td>
<td>Cooperative Education Internship in Humanities</td>
<td>Offered as Needed</td>
<td>3.00</td>
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<td></td>
<td>This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn cooperative education credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student's academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student's chosen major as identified in the student's program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.</td>
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<tr>
<td>HUN1001</td>
<td>Basic Nutrition</td>
<td>Fall, Spring</td>
<td>3.00</td>
<td>3.00</td>
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<td>This course is designed as an introductory course focusing on the basic principles of nutrition for non-majors. Students will gain the knowledge and skills necessary to make healthful decisions to support good nutritional status.</td>
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<tr>
<td>HUN1201</td>
<td>The Principles of Nutrition</td>
<td>Fall, Spring, Summer</td>
<td>3.00</td>
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<td>This course provides instruction in the scientific principles of nutrition, including the role of specific nutrients, digestion of each, absorption, metabolism and sources of the nutrients and requirements of the various age groups. Emphasis is on the factors influencing the ability of individuals to maintain good nutritional status. Prerequisite: Eligibility for ENC 1101 or higher.</td>
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<tr>
<td>HUN2015</td>
<td>Diet Therapy for Health Care Professionals</td>
<td>Fall, Spring, Summer</td>
<td>1.00</td>
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<td></td>
<td>A study and application of science-based nutrition concepts within healthcare focusing on medical nutrition therapy in disease management. Prerequisite: HUN 1201 with a grade of “C” or higher.</td>
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<tr>
<td>HUN2202</td>
<td>Human Nutrition and Diet Therapy</td>
<td>Fall, Spring, Summer</td>
<td>3.00</td>
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</tbody>
</table>
This course focuses on the scientific principles of normal nutrition, including specific nutrients, digestion, absorption, metabolism and nutritional requirements of different age groups. This course has a special focus on the application of nutrition principles to physical health. Emphasis is placed on the interdisciplinary team approach to disease prevention and health restoration. Prerequisite: BSC 1010C with a grade of "C" or higher or HUN 1201 with grade of "C" or higher or BSC 2093C or BSC 2094C with a grade of "C" or higher.

HUN3931  Special Topics in Health Coaching

Summer  3.00 Credits - 3.00 Hours

This unique elective course provides students an opportunity to study a specific area of nutrition that is not available in the current curriculum. Students will review the current literature and research in nutrition related to the selected topic. Topics may include a certain area of human nutrition that is not currently offered in the curriculum or emerging nutrition issues that affect the local community.

HUN4296  Nutrition for Health and Weight Management

Fall, Spring, Summer  3.00 Credits - 3.00 Hours

This course explores current dietary trends and examines the role geopolitical and economic forces have on our day-to-day food choices. The spectrum of popular diets and their advocates and critics will be discussed along with the current scientific research available for each. Students will reflect on the diversity of food choices, prohibitions and taboos that exist within our multicultural and multiethnic communities, with an eye toward increasing awareness and sensitivity. An emphasis will be placed on the health promotion theory and guidelines to optimize nutrition-related behaviors. Prerequisite: HUN 1201 or HUN 2202 with a grade of "C" or higher.

IDH1104  Honors Arts and Culture

Fall, Spring  1.00 Credit - 1.00 Hour

This course orients Honors students to the College and the Honors program. The course focuses on leadership development, critical thinking skills and problem-solving. Study skills, presentation skills and research methods are also emphasized. Prerequisite: Acceptance into Honors program.
<table>
<thead>
<tr>
<th>IDH2001</th>
<th>Honors Seminar</th>
<th>Fall</th>
<th>1.00 Credit - 1.00 Hour</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>The Honors Seminar course is designed to address contemporary issues, faculty areas of expertise, current intellectual trends and topics of interest to Honor students. Seminar discussions focus on topics or themes and lectures by guest speakers often augment the course. Prerequisite: Acceptance into Honors program.</td>
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<tr>
<th>IDH2002</th>
<th>Honors Seminar II</th>
<th>Spring</th>
<th>1.00 Credit - 1.00 Hour</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Honors Seminar II is a continuation of Honors Seminar. It is designed to address contemporary issues, faculty areas of expertise, current intellectual trends and topics of interest to Honors students. Seminar discussions focus on topics or themes and lectures by guest speakers often augment the course. Prerequisite: Acceptance into Honors program.</td>
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<tr>
<th>IDH2003</th>
<th>Honors Seminar III</th>
<th>Offered as Needed</th>
<th>3.00 Credits - 3.00 Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Honors Seminar III is an in-depth study of contemporary issues, faculty areas of expertise, current intellectual trends or topics of interest to Honors students. Seminar discussions focus on topics or themes and lectures by guest speakers often augment the course. Prerequisite: Acceptance into Honors Program.</td>
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<tr>
<th>IDH2004</th>
<th>Honors Seminar IV</th>
<th>Fall, Spring</th>
<th>1.00 Credit - 1.00 Hour</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>The Honors Seminar course is designed to address contemporary issues, faculty areas of expertise, current intellectual trends and topics of interest to Honor students. Seminar discussions focus on topics or themes and lectures by guest speakers often augment the course. Prerequisite: Acceptance into Honors program.</td>
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<tr>
<th>IDH2005</th>
<th>Honors Seminar V</th>
<th>Fall, Spring</th>
<th>1.00 Credit - 1.00 Hour</th>
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<tbody>
<tr>
<td></td>
<td>The Honors Seminar course is designed to address contemporary issues, faculty areas of expertise, current intellectual trends and topics of interest to Honor students. Seminar discussions focus on topics or themes and lectures by guest speakers often augment the course. Prerequisite: Acceptance into Honors program.</td>
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<thead>
<tr>
<th>IDH2006</th>
<th>Honors Seminar VI</th>
<th>Fall, Spring</th>
<th>3.00 Credits - 3.00 Hours</th>
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<tbody>
<tr>
<td></td>
<td>The Honors Seminar course is designed to address contemporary issues, faculty areas of expertise, current intellectual trends and topics of interest to Honor students. Seminar discussions focus on topics or themes and lectures by guest speakers often augment the course. Prerequisite: Acceptance into Honors program.</td>
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<tr>
<th>IDH2067</th>
<th>Honors Seminar VII</th>
<th>Fall, Spring</th>
<th>1.00 Credit - 1.00 Hour</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>The Honors Seminar course is designed to address contemporary issues, faculty areas of expertise, current intellectual trends and topics of interest to Honor students. Seminar discussions focus on topics or themes and lectures by guest speakers often augment the course. Prerequisite: Acceptance into Honors program.</td>
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<tr>
<th>IDH2102</th>
<th>Honors Arts and Ideas</th>
<th>Fall, Summer</th>
<th>3.00 Credits - 3.00 Hours</th>
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<tr>
<td></td>
<td>This course is a diverse study of fine arts, performing arts, technological arts, literature, history and philosophy from the Renaissance to the present. The focus will be on multi-culturalism, examination of primary texts and interdisciplinary influences on the formation of human culture. Satisfies three credits of General Education requirements in Humanities and</td>
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</table>
partially satisfies the writing requirement of S.B.E. 6A-10.030. The course is only open to students in the Honors program. Honors level content. Permission required from Honors director. Prerequisites: Acceptance into Honors program and ENC 1101 or ENC 1101H.

**IDH2106**  
**Honors Oratory: Speech, Argumentation and Debate**

**Fall**  
3.00 Credits - 3.00 Hours

The purpose of this course is to elevate the basic skills of speaking and listening to a level appropriate for Honors students. While the course will satisfy the state requirements for preparing and delivering public speeches with clarity and variety and listening with literal and critical comprehension, the Honors level will focus on those skills in an advanced setting of the controversial arts, including critical thinking, dialectic, rhetoric and argumentation. In preparation, Honors students will study original materials from Aristotle to current research in argumentation and debate. Honors level content. Permission required from Honors director. Satisfies General Education requirement in oral communications. Prerequisite: Acceptance into Honors program.

**IDH2300**  
**Honors Seminar- Mathematics for the Physical Sciences I**

**Fall, Spring**  
1.00 Credit - 1.00 Hour

IDH 2300 is a one-credit seminar geared towards overcoming common framing difficulties students have when applying calculus to physical sciences as well as providing additional study of mathematical explanations behind the physical sciences that students will be developing in PHY 2048CH and PHY 2049CH. Prerequisite: Acceptance into Honors program. Corequisite: PHY 2049CH.

**IDH2301**  
**Honors Seminar- Math Phy II**

**Fall, Spring**  
1.00 Credit - 1.00 Hour

This course is a one-credit seminar geared towards overcoming common framing difficulties students have when applying calculus to physical sciences as well as providing additional study of mathematical explanations behind the physical sciences that students will be developing in PHY 2048CH and PHY 2049CH. Prerequisite: Acceptance into Honors program. Corequisite: PHY 2049CH.

**IDH2905**  
**Directed Studies in Honors**

Offered as Needed  
3.00 Credits - 3.00 Hours

This course is scheduled for individual students who wish to explore topics not covered in the curriculum. The student must present a design of the study (learning contract) to the faculty member who is to direct the work. Approval from the dean or director is required prior to registration.

**IDH2930**  
**Selected Studies in Interdisciplinary Honors**

Offered as Needed  
3.00 Credits - 3.00 Hours

In this course topics of current interest are presented in group instruction. This course may be taken four times for credit. Prerequisite: Acceptance into Honors program.

**IDH2931**  
**Selected Studies in Interdisciplinary Honors**

Offered as Needed  
1.00 Credit - 1.00 Hour

In this course topics of current interest are presented in group instruction. This course may be taken four times for credit. Prerequisite: Acceptance into Honors program.

**IDH2932**  
**Selected Studies in Interdisciplinary Honors**

Offered as Needed  
2.00 Credits - 2.00 Hours

In this course topics of current interest are presented in group instruction. This course may be taken four times for credit. Prerequisite: Acceptance into Honors program.
In this course topics of current interest are presented in group instruction. This course may be taken four times for credit.

**IDH2941**  
**Honors Cooperative Education Internship**

**Fall, Spring, Summer**  
**1.00 Credit - 1.00 Hour**

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn cooperative education credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student’s academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student’s chosen major as identified in the student’s program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

**IDH2942**  
**Honors Cooperative Education Internship**

**Fall, Spring, Summer**  
**2.00 Credits - 2.00 Hours**

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn cooperative education credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student’s academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student’s chosen major as identified in the student’s program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

**IDH2949**  
**Honors Cooperative Education Internship**

**Fall, Spring, Summer**  
**3.00 Credits - 3.00 Hours**

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn cooperative education credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student’s academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student’s chosen major as identified in the student’s program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

**IDH2950**  
**Travel Study in Honors**

**Summer**  
**3.00 Credits - 3.00 Hours**

This Honors travel/study course combines preparation on campus, travel and study. Content is variable depending on the program in which the student enrolls and the specific topics to be covered. Students must be 18 years of age on or before departure. Permission of the Honors director required. Prerequisite: Acceptance into Honors program.

**IDS1000**  
**Research AP**

**Offered as Needed**  
**3.00 Credits - 0.00 Hours**

Credit for this course is awarded to entering students with appropriate scores on the Advanced Placement Exam.
<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Offered As Needed</th>
<th>Credits</th>
<th>Hours</th>
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<tbody>
<tr>
<td>IDS1110</td>
<td>Interdisciplinary Studies- Cambridge General Paper Exam</td>
<td>Offered as Needed</td>
<td>3.00</td>
<td>0.00</td>
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<tr>
<td></td>
<td>Credit for this course is awarded for students with an appropriate score on the Cambridge General Paper Examination.</td>
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<tr>
<td>IDS1185</td>
<td>Self in the 21st Century Society</td>
<td>Fall, Spring</td>
<td>3.00</td>
<td>3.00</td>
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<td>This course is designed to study how the conventional self created by society, dubbed the social self by sociologists, is not capable of making our 21st century world more peaceful and equitable. In this course we will explore how the social self is formed around society’s leading ideas, values and norms - all geared to privilege some groups while disadvantaging others. On the other hand, the course will examine our other self, the spiritual self, the self of our inner being and how its purpose is to transform society into a social environment where everyone can live a life of purpose and dignity. Specifically, in this course, students will explore how the spiritual self has fueled the emergence of a great global shift in consciousness, a fundamental change in our perceptions, core values, beliefs and priorities aimed to rescue and restore the natural, innate moral goodness and goodwill of our human species.</td>
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<tr>
<td>IDS1350</td>
<td>Seminar AP</td>
<td>Offered as Needed</td>
<td>3.00</td>
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<td></td>
<td>Credit for this course is awarded to entering students with appropriate scores on the Advanced Placement Exam.</td>
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<tr>
<td>IDS1352</td>
<td>Critical Thinking and Technology</td>
<td>Fall</td>
<td>3.00</td>
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<td>In this course students have the opportunity to develop critical and analytical skills that will enable them to evaluate, consciously and deliberately, the diverse ideas, information and perspectives that characterize the contemporary world. A focus on new information technologies will stimulate the development of intellectual skills by challenging students to be creative, critical and constructive users of information. This course partly satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisite: ENC 1101.</td>
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<tr>
<td>IDS2931</td>
<td>Selected Studies in Interdisciplinary Studies</td>
<td>Offered as Needed</td>
<td>1.00</td>
<td>1.00</td>
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<tr>
<td></td>
<td>In this course topics of current interest are presented in group instruction.</td>
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<tr>
<td>IDS2950</td>
<td>Travel Study Interdisciplinary Studies</td>
<td>Offered as Needed</td>
<td>3.00</td>
<td>3.00</td>
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<tr>
<td></td>
<td>This is a travel/study course combining preparation on campus, travel and study in interdisciplinary studies. Content is varied depending on the program in which the student enrolls and the specific topics covered. Students must be 18 years of age on or before departure and permission of instructor or dean is required.</td>
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<tr>
<td>IND1100</td>
<td>History of Architecture and Design I</td>
<td>Fall, Spring, Summer</td>
<td>3.00</td>
<td>3.00</td>
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<td>This course traces the application of art into the development of architecture, interiors and furniture design from ancient civilizations to the end of the 19th century. The student will develop the ability to recognize and use different period styles of architecture, interior and furniture in today’s setting. Terminology of both architectural styles and furniture will be stressed. This course will introduce the historic preservation registration process and respective preservation application.</td>
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<tr>
<td>IND1200</td>
<td>Decorating Tips and Tricks</td>
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</table>
Spring, Summer 3.00 Credits - 3.00 Hours

This introductory course is designed to teach homeowners the basics of interior décor. Topics will cover the fundamental elements and principles of design, the latest trends in decorating and how to develop your personal style. Emphasis will be placed on budgeting, color coordination, furniture and accessory arrangement and selecting appropriate finishes.

IND1233 Studio I: Interior Design Fundamentals

Fall, Spring, Summer 3.00 Credits - 6.00 Hours

This introductory course is designed to acquaint the student with the fundamental theories and processes of the profession. Emphasis is placed on all aspects of the design process and creative problem-solving that supports human behavior, functionality and aesthetics for today's interior environments. Students apply theories such as the elements and principles, human factors, spatial analysis and space planning and the science of color and color scheme development in a variety of residential settings. Students must complete this course with a grade of "C" or higher. Lab fee required.

IND1404C Technical Design

Fall, Spring, Summer 3.00 Credits - 6.00 Hours

This course is designed specifically for interior design students. It will aid the student in developing an understanding of basic principles with applications in the preparation of drawings, use and care of instruments and equipment, lettering, sectional views, detailing, lighting, plumbing and the use of schedules. Student must complete this course with a grade of "C" or higher. Lab fee required.

IND1429 Textiles for the Interior Environment

Fall, Spring, Summer 3.00 Credits - 4.00 Hours

In this introductory course students learn to identify, analyze and select fibers, construction methods and finish treatments for both residential and commercial interior environments. Environmental and performance factors such as durability, flammability, care and pricing will be addressed. Cost estimation, fabrication techniques and installation methods for window treatments will be introduced. As a result, students will foster professional terminology. Lab fee required.

IND1488 Interior Finishes and Building Components

Fall, Spring, Summer 3.00 Credits - 4.00 Hours

This course is designed to familiarize the interior design student with the materials and interior finishes used in both residential and commercial applications. Emphasis is placed on product knowledge and characteristics, building systems and indoor environmental quality. Cost estimation, fabrication techniques and installation methods will be introduced. As a result, students will foster professional terminology. A variety of field trips and/or guest speakers will be scheduled to enhance class lectures. Lab fee required.

IND1935C Building Codes and Accessibility

Fall, Spring 3.00 Credits - 3.00 Hours

This course gives the design student an in-depth understanding of the building codes, life safety codes and the Americans with Disabilities (ADA) act. Knowledge of these codes are vital to all aspects of the design process. Lectures will be combined with practical applications. Lab fee required. Prerequisite: IND 1233. Prerequisite or corequisite: IND 1404C.

IND2012 Studio II: Residential Interior Environments

Fall, Spring, Summer 3.00 Credits - 4.00 Hours

This course presents projects in residential design. Emphasis is placed on all aspects of the design process and creative problem-solving. Floor plans will be analyzed for function and aesthetics. Color theories and schemes, the selection of appropriate interior
finishes and the selection of furnishings will be applied to projects. Graphic skills and presentation techniques are developed. Students must complete this course with a grade of "C" or higher. Lab fee required. Prerequisites: IND 1233 and IND 1404C. Prerequisites or corequisites: IND 1488 and IND 2307.

**IND2016**  
**Studio III: Introduction to Commercial Design**

**Fall, Summer**  
3.00 Credits - 4.00 Hours

This course acquaints the student with the complexities of commercial interiors. Emphasis is placed on all aspects of the design process and problem-solving for commercial spaces. The projects encompass life safety and ADA codes, space planning, human factors, non-structural building systems, lighting technologies and the selection of commercial-grade interior finishes and furnishings. Design solutions will be conveyed using computer-generated software such as CAD. Students must complete this course with a grade of "C" or higher. Lab fee required. Prerequisites: IND 2012, IND 1935C and IND 2307. Prerequisite or corequisite: IND 1429.

**IND2130**  
**History of Architecture and Design II**

**Fall, Spring**  
3.00 Credits - 3.00 Hours

This course is a survey of historic architectural interiors from the early American periods through contemporary architecture, interiors and furniture design. The influence of international schools of thought related to architecture, interiors and furniture design will be introduced. Current trends in interior furnishings and architecture will be examined. Prerequisite: IND 1100.

**IND2150**  
**Historic Preservation**

**Summer**  
3.00 Credits - 3.00 Hours

This course introduces historic preservation with an emphasis on restoration, rehabilitation and adaptive use of historic building interiors, including the theory and history of the preservation movement. The process and standards of historic preservation will be studied and applied to case studies. Students must possess an understanding of architectural history concepts.

**IND2201**  
**Design Principles for Kitchen and Bath**

**Fall**  
3.00 Credits - 4.00 Hours

This specialized design course for kitchens and baths utilizes the understanding of basic elements and principles to create spaces the consumer wants. One must learn to blend architectural styles, colors and themes with function and purpose. Lab fee required. Prerequisite or corequisite: EGN 1111C or IND 1404C or equivalent.

**IND2221**  
**Studio IV: Advanced Commercial Design**

**Fall, Spring**  
3.00 Credits - 4.00 Hours

This course provides an advanced individual and collaborative team approach to commercial design. Emphasis will be placed on the design process, spatial analysis, life safety and building codes, research and the selection and specification of interior finishes and furnishings. Projects will range in size and scope and will integrate non-structural building systems, lighting technologies and an understanding of millwork construction. Indoor environmental factors such as acoustics and speech privacy will be addressed. Design solutions will be conveyed using computer-generated software such as CAD. Students must complete this course with a grade of "C" or higher. Lab fee required. Prerequisite: IND 2016. Prerequisite or corequisite: IND 2484.

**IND2290**  
**Autism and the Built Environment**

**Summer**  
3.00 Credits - 3.00 Hours

This course introduces students to Autism Spectrum Disorders and interior design configuration for individuals impacted. Coursework focuses on current research in the field of autism as well as best practices for meeting the variety of sensitivities to individuals with autism.
IND2307 Visual Communication

Spring, Summer 3.00 Credits - 4.00 Hours

This course is designed to develop graphic skills and provide students with the ability to communicate spatial concepts. Emphasis is placed on visual communication tools employing a variety of media forms. Free-hand sketching, one- and two-point perspectives, material delineation, tonal investigation, compositional and presentation techniques are included. Lab fee required. Prerequisite: IND 1233.

IND2309 Drawing and Presentation Standards for Kitchen and Bath

Spring 3.00 Credits - 3.00 Hours

Completed project documents assist the designer with presenting a professional presentation to the client through drafting a set of plans that will help the client and trades understand the project. Drafting techniques will be utilized. Lab fee required. Prerequisite: EGN 1111C or IND 1404C or equivalent.

IND2402 Kitchen and Bathroom Planning Standards and Safety Criteria

Fall 3.00 Credits - 3.00 Hours

Certain standards must be adhered to in order to ensure kitchen and bathroom space is functional and safe. Use of kitchen and bath guidelines from the National Kitchen and Bath Association (NKBA) provides universal design criteria that retains area comfort and attractiveness. Lab fee required. Prerequisite or corequisite: IND 1404C or equivalent.

IND2411 Building Materials/Construction and Estimating for Kitchen and Bath

Spring 3.00 Credits - 4.00 Hours

Knowledge of construction and systems is essential in kitchen and bath design. An understanding of foundation-to-roof construction, wiring, plumbing, heating, ventilation and air conditioning must be integrated. This first course discusses building codes, healthy houses, foundations and floor systems, wall systems, building materials and project estimating. Lab fee required. Prerequisites: IND 1404C and IND 1488 or IND 1423. Prerequisite or corequisite: IND 2420 or department permission.

IND2420 Mechanical Systems for Kitchen and Bath

Spring 3.00 Credits - 4.00 Hours

An important element of kitchen and bathroom design is function. The proper planning of mechanical systems (electrical, heating/ventilation/cooling, lighting and plumbing) will make the spaces safe and efficient. Lab fee required. Prerequisite: EGN 1111C or IND 1404C or equivalent. Prerequisite or corequisite: IND 2411.

IND2421 Equipment and Materials for Kitchen and Bath

Summer 3.00 Credits - 4.00 Hours

In this course students will demonstrate the mastery of design principles and technical skill sets acquired throughout the Kitchen and Bath Certificate program on a comprehensive project. The capstone project shall exhibit the highest levels of problem-solving, design development according to the National Kitchen and Bath Association (NKBA) standards and the knowledge of specialized kitchen and bath products, appliances, equipment and materials. An emphasis will be placed on safety and function. Prerequisites: EGN 1111C or IND 1404C and IND 2201, IND 2309, IND 2402. Prerequisites or corequisites: IND 2411 and IND 2420.

IND2461 Building Systems

Fall, Summer 3.00 Credits - 3.00 Hours

This course dissects critical building systems and their effect on the built environment. Structural design, mechanical, electrical and plumbing systems as well as indoor air quality and acoustics will be discussed. Lectures, field trips and guest speakers are included to
Stress the importance of collaboration between the related fields of interior design, construction and engineering. Prerequisite or corequisite: IND 2012.

**IND2462 Revit for Interior Applications**

**Fall, Spring, Summer** 3.00 Credits - 4.00 Hours

In this introductory course students will learn the basic methodology of parametric systems using Revit software technology for interior applications. Three-dimensional projects will be created and rendered with a variety of materials, light sources, color and other graphic variations. Prerequisite: ETD 1320C or IND 2460C.

**IND2463 Introduction to 2020 Software**

**Summer** 3.00 Credits - 3.00 Hours

This course will introduce the kitchen and bath design student to the latest industry standard software. The student will learn basic commands and functions for use with two-dimensional drawings such as floor plans and elevations. Lab fee required. Prerequisite: ETD 1320C or IND 2460C or equivalent.

**IND2484 Construction Documents**

**Fall, Spring** 3.00 Credits - 4.00 Hours

This studio course focuses on the preparation of comprehensive, computer-generated sets of construction drawings. Emphasis will be placed on the technical aspects of residential and commercial structures, building systems and specifications. Students will further develop basic two-dimensional drafting using AutoCAD software within the course. Prerequisites: ETD 1320C, IND 1935C and IND 2012.

**IND2500 Professional Principles and Practices of Interior Design**

**Fall, Spring** 3.00 Credits - 3.00 Hours

Specialized information will be presented on establishing and maintaining a successful interior design business with emphasis on resume writing, cover letters, development of an individual business and preparation of a bank loan. Students must complete this course with a grade of “C” or higher. Lab fee required.

**IND2523 Portfolio Review**

**Spring, Summer** 1.00 Credit - 2.00 Hours

This course prepares the advanced student for entering the workforce and interviewing with prospective employers. Students will create an electronic portfolio of previously completed residential and commercial projects. Career development and job search seminars are included in the course. Emphasis is placed on professional level graphic techniques and oral communication skills. This course must be completed with a grade of “C” or higher. Lab fee required. Prerequisite or corequisite: IND 2221.

**IND2622 Sustainability in the Built Environment**

**Fall, Spring, Summer** 3.00 Credits - 3.00 Hours

This course will expose students to the impact of buildings on natural resources and the environment. Weekly lessons will cover sustainable rating systems, as well as modules in water efficiency, energy conservation measures, indoor environmental quality, and materials and resources. Sustainable best practices and standards will be emphasized.

**IND2930 Selected Studies in Interior Design**

**Offered as Needed** 3.00 Credits - 3.00 Hours

This course is scheduled for students who wish to explore topics, emerging trends and/or technologies currently impacting the interior design profession. Coursework is presented in group instruction. Variable content depending upon the specialized topic in which student is enrolled.
IND2931  Selected Studies in Interior Design

Offered as Needed  1.00 Credit - 1.00 Hour

This course is scheduled for individual students who wish to explore topics not covered in the curriculum. The student must present a design of study (learning contract) to the faculty member who is to direct the work. Approval from the dean or director is required prior to registration.

IND2932  Selected Studies in Interior Design

Offered as Needed  2.00 Credits - 2.00 Hours

In this course topics of current interest are presented in group instruction.

IND2941  Cooperative Education Internship in Interiors

Fall, Spring, Summer  1.00 Credit - 1.00 Hour

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn cooperative education credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student’s academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student’s chosen major as identified in the student’s program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

IND2946  Cooperative Education Internship in National Kitchen and Bath Design

Fall, Spring, Summer  2.00 Credits - 2.00 Hours

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn cooperative education credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student’s academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student’s chosen major as identified in the student’s program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement, permission from the Career Development Center and Center for Architecture and Interior Design.

IND2947  Cooperative Education Internship in National Kitchen and Bath Design

Fall, Spring, Summer  2.00 Credits - 2.00 Hours
Fall, Spring, Summer 4.00 Credits - 4.00 Hours

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn cooperative education credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student’s academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student’s chosen major as identified in the student’s program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement, permission from the Career Development Center and Center for Architecture and Interior Design.

IND2949 Cooperative Education Internship in Interiors

IND2950 Travel Study in Architecture and Interior Design

Offered as Needed 3.00 Credits - 3.00 Hours

A global, multi-cultural experience has become an increasingly vital part of a student’s education. This study abroad course provides students with opportunities to explore significant international historical and contemporary sites. Students are exposed to the cultural influences of architecture, construction methodologies and interior design. Lectures and coursework are complemented by walking tours led by experienced faculty and guest professionals. Students must be 18 years of age on or before departure.

IND3245 Studio V: Emerging Trends

Fall, Spring 3.00 Credits - 4.00 Hours

In this course students will explore emerging trends in the commercial interior design field while completing a studio-based project. Emphasis will be placed on the design process, including programming, conceptual design and design development. Adherence to life safety codes and the selection and specifications of commercial grade interior finishes, finishing and equipment will be stressed. Students must complete this course with a grade of “C” or higher. Lab fee required. Prerequisite or corequisite: IND 3413.

IND3323 Color Theory

Summer 3.00 Credits - 3.00 Hours

This course is an advanced study of color theories and applications to the built environment. A further study of the psychological effects of color is included in the course content. A lecture and research-based course format will be utilized.

IND3413 Integrated Practicum

Fall, Spring 3.00 Credits - 4.00 Hours
This course is designed to prepare the interior design student to provide comprehensive hand-drafting solutions in timed applications. In-class exercises in accessible restrooms, egress, life-safety, building systems, millwork, in addition to timed space planning will be incorporated.

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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Term</th>
<th>Credits</th>
<th>Hours</th>
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<tbody>
<tr>
<td>IND3495</td>
<td>Lighting Design Applications</td>
<td>Fall</td>
<td>3.00</td>
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<td>This advanced study of lighting applications explores both the technical aspects and behavioral factors of lighting design. Special emphasis will be placed on lighting profiles, calculations, evaluation and specification of various lighting sources and fixtures. Emphasis will be placed on emerging technologies and sustainable design solutions. Course content is a combination of lectures and projects. Guest speakers and field trips will be scheduled to enhance class lectures.</td>
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<tr>
<td>IND3643C</td>
<td>Advanced Building Codes and Accessibility</td>
<td>Spring</td>
<td>3.00</td>
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<td>This advanced building codes course will further investigate the local and national building codes as well as the accessibility code. Students will learn how to navigate the online building codes and apply them to design projects and scenarios.</td>
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<tr>
<td>IND3930</td>
<td>Advanced Selected Studies in Interior Design</td>
<td>Fall, Spring, Summer</td>
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<td>This advanced course is scheduled for students who wish to explore topics, emerging trends and/or technologies currently impacting the interior design profession. Coursework is presented in group instruction. Variable content depending upon the specialized topic in which student is enrolled.</td>
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<tr>
<td>IND3950</td>
<td>Advanced Travel Study in Architecture and Interior Design</td>
<td>Offered as Needed</td>
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<td>A global, multi-cultural experience has become increasingly vital part of the student’s education. This advanced study abroad course provides students with opportunities to explore significant international historical and contemporary sites. Students are exposed to the cultural influences of architecture, construction methodologies and interior design. Lectures and coursework are complemented by walking tours lead by experienced faculty and guest professionals. Students must be 18 years of age on or before departure.</td>
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<tr>
<td>IND4242</td>
<td>Studio VI: Capstone Studio</td>
<td>Spring, Summer</td>
<td>3.00</td>
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<td>This course is an advanced capstone studio that takes the student through the steps of the design process in both an individual and team approach. Emphasis will be placed on programming, schematic design and design development through an evidence-based design approach. Lectures will coincide with field trips and design professionals will participate in the critique process. This course must be completed with a grade of “C” or higher. Prerequisite: IND 3245. Prerequisite or corequisite: IND 4520.</td>
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<tr>
<td>IND4274</td>
<td>Designing for a Diverse Population</td>
<td>Spring</td>
<td>3.00</td>
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<td>This course addresses a variety of diverse populations such as aging, special needs or autism to create an inclusive built environment. Cultural diversity will also be discussed and applied to a design project. Universal design and barrier-free design will be incorporated into class lectures and exercises. Field trips and guest speakers will be scheduled to enhance lectures.</td>
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<tr>
<td>IND4506</td>
<td>Advanced Professional Principles and Practices of Interior Design</td>
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<td>Fall</td>
<td>3.00 Credits - 3.00 Hours</td>
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<tr>
<td>IND4520</td>
<td>Senior Portfolio for the Interior Designer</td>
<td>Spring, Summer</td>
<td>1.00</td>
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<td>Using the latest digital technologies and software, students will learn essential employability skills in creating a digital portfolio for prospective employers and clients. Topics such as digital photography, importing images and creating a website will be explored. This senior course must be completed with a grade of “C” or higher. Corequisite: IND 4242.</td>
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<tr>
<td>IND4611</td>
<td>Applied Sustainable Design Principles</td>
<td>Fall</td>
<td>3.00</td>
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<td>A studio-based format and integrated design approach will apply the sustainable design principles for adaptive use in commercial built environments. Students will also develop an understanding of the various sustainable building certifications and the required documentation process to achieve certification. Lectures, field trips and guest lecturers will reiterate the importance of sustainable design and development. Design professionals will participate in the critique process.</td>
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<tr>
<td>IND4948</td>
<td>Senior Interior Design Internship</td>
<td>Fall, Spring, Summer</td>
<td>2.00</td>
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<td>Prior to graduation, students must successfully complete an internship with an approved interior design-related firm. Students must complete a minimum of 300 hours of an on-the-job internship experience.</td>
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<tr>
<td>INP2002</td>
<td>Introduction to Industrial Psychology</td>
<td>Spring</td>
<td>3.00</td>
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<td>This course applies psychological principles to individual and group functioning in organizational settings. Major topics include employee selection, motivation, job satisfaction, leadership and performance evaluation. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisite: ENC 1101 with a grade of “C” or higher or corequisite ENC 1101.</td>
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<tr>
<td>INR2002</td>
<td>International Relations</td>
<td>Fall</td>
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<td>This course is an introduction to major issues and theories of world politics. Topics include state and non-state actors, the nature of power, causes of war and peace, terrorism, international organizations, finance and trade, economic development, globalization, human rights and environmental concerns. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisite: Eligibility to enroll in ENC 1101 OR test scores that indicate ENC 1101 eligibility OR completion of appropriate college developmental courses for ENC 1101 with grades of “C” or higher OR completion of EAP coursework for ENC 1101 eligibility with grades of “C” or higher.</td>
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<tr>
<td>INR2002H</td>
<td>Honors International Relations</td>
<td>Fall</td>
<td>3.00</td>
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|             | This course is an introduction to major issues and theories of world politics. Topics include state and non-state actors, the nature of power, causes of war and peace, terrorism, international organizations, finance and trade, economic development, globalization, human rights and environmental concerns. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisites:
Acceptance into Honors program and eligibility to enroll in ENC 1101 OR test scores that indicate ENC 1101 eligibility OR completion of appropriate college developmental courses for ENC 1101 with grades of “C” or higher OR completion of EAP coursework for ENC 1101 eligibility with grades of “C” or higher.

INR2950  Travel/Study in International Relations
Offered as Needed  3.00 Credits - 3.00 Hours

A travel/study course combining preparation on campus, foreign travel and study abroad in the discipline of international relations. Variable content depending on the program in which the student enrolls and the specific topics to be covered. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Students must be 18 years of age on or before departure. Prerequisite: ENC 1101 with a grade of “C” or higher or corequisite ENC 1101.

ISC1050  Interdisciplinary Environmental Studies I
Offered as Needed  3.00 Credits - 0.00 Hours

Three credits for this course are awarded to entering students with a score of 4 on the International Baccalaureate (IB) test in Environmental Systems. Six credits are awarded if student score is 5 or higher on the same examination.

ISC1051  Interdisciplinary Environmental Studies AP
Offered as Needed  3.00 Credits - 0.00 Hours

Credit for this course is awarded to entering students with appropriate scores on the Advanced Placement (AP) examination in Environmental Science.

ISC1052  Interdisciplinary Environmental Studies IB
Offered as Needed  3.00 Credits - 0.00 Hours

Three credits are awarded to entering students with an appropriate score on the International Baccalaureate (IB) examination in Environmental Systems.

ISC1932  Science Seminar - Research
Fall  1.00 Credit - 1.00 Hour

The purpose of this course is to expose students to some of the different types of research being done in the Central Florida area and the way by which research is presented in a scientific context. Each student will write and present a research paper on an approved science topic. Prerequisite: Acceptance into the Science Diploma program.

ISC1933  Science Seminar - Careers
Spring  1.00 Credit - 1.00 Hour

This course will focus on careers in science. Various scientific professionals from the community will present information about their work followed by a question and answer period. Research into a variety of scientific careers will be required. Prerequisite: Acceptance into the Science Diploma Program.

ISC1937  Science Seminar - Environmental
Summer  1.00 Credit - 1.00 Hour

The purpose of this course is to expose students to the relationship between science and the environment. Students will be required to participate in field trips and/or service projects. Prerequisite: Acceptance into the Science Diploma Program.

ISC2215  Applications of Calculus I
Offered as Needed  1.00 Credit - 1.00 Hour

This course is team-taught with various science-based faculty. How concepts from Calculus are applied to various technical (science and engineering) fields will be examined. Corequisite: MAC 2311.
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<th>Course Code</th>
<th>Course Title</th>
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<th>Credits</th>
<th>Hours</th>
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<tbody>
<tr>
<td>ISC2216</td>
<td>Applications of Calculus II</td>
<td>Fall</td>
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<tr>
<td>ISC2910H</td>
<td>Honors Introduction to STEM Research</td>
<td>Fall, Spring, Summer</td>
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<td>ISC2911H</td>
<td>Honors STEM Research</td>
<td>Fall, Spring, Summer</td>
<td>3.00</td>
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<td>ISC2930</td>
<td>Selected Studies in the Earth Sciences</td>
<td>Offered as Needed</td>
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<td>ISM1000</td>
<td>Management Information Systems DSST Exam DANTES</td>
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<tr>
<td>ISM3011C</td>
<td>Essentials of Management Information Systems</td>
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<tr>
<td>ISM3013</td>
<td>Using and Managing Business Information Systems</td>
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<tr>
<td>ISM3113</td>
<td>Information Systems Analysis and Design</td>
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</table>
information systems lifecycle. Prerequisites: COP 1000 (or higher level computer programming course) and CET 1179 and COT 3103 or ISM 3011C.

ISM3424  Business Modeling Using Simulation

Fall, Spring, Summer 3.00 Credits - 3.00 Hours

This course involves the development of simple high-level models and then progresses to advanced modeling and analysis. Statistical design and analysis of simulations is integrated into the course. Prerequisites: ISM 4431, ISM 3011C, MAC 2233 or higher level MAC course, OST 2852C and STA 2023 or higher level Statistics course.

ISM3424H  Honors Business Modeling using Simulation

Fall, Spring, Summer 3.00 Credits - 3.00 Hours

This course involves the development of high-level models to simulate businesses in that process. The class then progresses to advanced modeling and the analysis of simulations is integrated into the course. The course is designed to introduce students to the general concepts of modeling and computer simulation of real-world business scenarios. The purpose of the course is to provide students with the skills and tools required to accomplish valid business simulations useful for analysis and prediction. The Honors class will take more complex business processes and map them using software modeling simulation and explore process improvements and associated cost reductions. Modeling techniques learned from this class will be expected to be demonstrated in the final capstone class. The Honors version of this course will go beyond the standard course by addressing statistical analysis of output from terminating simulations. This output analysis will accomplish statistical comparisons of model variations called scenarios. Prerequisites: ISM 4431, ISM 3011C, MAC 2233 or higher level MAC course, OST 2852C, STA 2023 or higher level Statistics course, acceptance into the Honors program and cumulative G.P.A. of 3.5 or higher.

ISM4153  Introduction to Enterprise Processing Environments

Fall, Spring, Summer 3.00 Credits - 3.00 Hours

This course is an introduction to Enterprise Resource Planning (ERP) systems emphasizing integrated strategy for management and integration of information among organizations, suppliers and customers. Prerequisite: ISM 3011C.

ISM4212C  Database Management Systems

Fall, Spring, Summer 3.00 Credits - 3.00 Hours

This course will introduce students to the basic concepts for designing, using and implementing database systems, including relational models, security design concurrency, integrity design and design recovery issues (i.e., how to recover data, how to recover systems in the proper sequence from a business viewpoint and how to architect a system) and query interfaces. Prerequisite: ISM 3011C.

ISM4221  Business Data Communications

Fall, Spring, Summer 3.00 Credits - 3.00 Hours

The following topics will be covered in this course: fundamentals of data communications, communications media, servers, data center concepts, cloud computing, communications equipment, data transmission, communication protocols, network concepts, wide area and local area networks, communications services, Internet concepts and capabilities and data communications management. Prerequisite: ISM 3011C.

ISM4300  Information Systems Operations Management

Fall, Summer 3.00 Credits - 3.00 Hours

This course covers management processes and procedures for planning, implementation and operation of information systems with an emphasis on operational management. The course stresses the
relationship between the strategic and operational planning of information systems. Prerequisites: CNT 4504 and ISM 3113.

**ISM4300H Honors Information Systems Operations Management**

**Fall, Spring** 3.00 Credits - 3.00 Hours

This course covers management processes and procedures for planning, implementation and operation of information systems with an emphasis on operational management. The course stresses the relationship between the strategic and operational planning of information systems. Prerequisites: CNT 4504 and ISM 3113 and acceptance into the Honors program.

**ISM4314 Project Management**

**Fall, Spring** 3.00 Credits - 3.00 Hours

This course is a study of the project management of information systems from conception to implementation and the eventual transition to operational support. Includes resource and time management techniques, project proposal preparation and evaluation, quality control, testing and operational support planning. Prerequisites: ISM 3113 or (ISM 3011C and OST 2852C for BIM students only).

**ISM4420 Knowledge Management: Techniques and Practices**

**Fall, Spring, Summer** 3.00 Credits - 3.00 Hours

Knowledge Management (KM) is a discipline that promotes an integrated approach to identifying, capturing, sharing and evaluating an enterprise’s information and knowledge assets. This course reviews and discusses existing enabling technologies in KM and new, emerging KM technologies and practices. Such technologies are presented in the context of emerging Internet, data mining, e-commerce and enterprise computing applications. Prerequisite: ISM 3011C.

**ISM4431 Business Process Management Systems**

**Fall, Spring, Summer** 3.00 Credits - 3.00 Hours

This course introduces the latest advances in business process technologies and management such as business process planning, business process requirements analysis, business process modeling, workflow system design and implementation. The course will emphasize both theoretical issues and hands-on experiences in business process management. Prerequisites: GEB 3213, ISM 3011C and MAC 2233 or higher level MAC course.

**ISM4881 Capstone Project**

**Fall, Spring, Summer** 3.00 Credits - 3.00 Hours

This course is a culminating experience for majors involving a substantive project that demonstrates a synthesis of learning accumulated in the major, including broadly comprehensive knowledge of the discipline and its methodologies. Senior standing required. This capstone course must be completed with a grade of “C” or higher. Prerequisites: BIM-BS program plan and FIN 3403, GEB 3213, ISM 3011C, ISM 3424, ISM 4153, ISM 4314.

**ISM4881H Honors Capstone Project**

**Fall, Spring, Summer** 3.00 Credits - 3.00 Hours

This course is a culminating experience for majors involving a substantive project that demonstrates a synthesis of learning accumulated in the major, including broadly comprehensive knowledge of the discipline and its methodologies. Senior standing required. This capstone course must be completed with a grade of “C” or higher. Prerequisites: BIM-BS program plan and FIN 3403, GEB 3213, ISM 3011C, ISM 3424, ISM 4153, ISM 4314.

**ISS2011 Global Perspectives I AICE AS-Level**

**Offered as Needed** 3.00 Credits - 0.00 Hours

This course introduces students to global perspectives and cultures, with an emphasis on understanding and analyzing the global environment in which businesses operate. Students will explore issues related to international trade, investment, and cooperation, as well as the role of governments, international organizations, and non-governmental organizations in shaping the global economic landscape. Students will also develop critical thinking skills and the ability to analyze and interpret data from a global perspective.
Credit for this course is granted to students with passing scores of A, B, C, D or E on the Cambridge AICE British (Level A) exam.

ISS2012  Global Perspectives Pre-U Independent Research II AICE A-Level

Offered as Needed  3.00 Credits - 0.00 Hours

Credit for this course is granted to students with passing scores of A, B, C, D or E on the Cambridge AICE British (Level A) exam.

ISS2941  Cooperative Education Internship in Social Science

Offered as Needed  1.00 Credit - 1.00 Hour

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn cooperative education credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student’s academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student’s chosen major as identified in the student’s program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

ITA1930  Italian Language and Culture AP

Offered as Needed  3.00 Credits - 0.00 Hours

Credit for this course is awarded to entering students with appropriate scores on the Advanced Placement (AP) examination in Italian Language and Culture.

ITA1931  Italian Language and Culture AP

Offered as Needed  3.00 Credits - 0.00 Hours

Credit for this course is awarded to entering students with appropriate scores on the Advanced Placement (AP) examination in Italian Language and Culture.

ITA1944  Italian IB

Offered as Needed  3.00 Credits - 0.00 Hours

Credit for this course is granted to students scoring a 4 on the International Baccalaureate (IB) exam in Italian.

ITA1945  Italian IB

Offered as Needed  3.00 Credits - 0.00 Hours

Credit for this course is granted to students scoring 5-7 on the International Baccalaureate (IB) exam in Italian.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester</th>
<th>Credits</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>JOU1100</td>
<td>Journalism I</td>
<td>Fall, Spring</td>
<td>3.00</td>
<td>3.00</td>
</tr>
<tr>
<td></td>
<td>This course provides basic instruction in reporting techniques, news and feature writing, editorial writing, page makeup and layout and other mechanics of newspaper production. Ethics, responsibilities and laws of the press are stressed. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisite or corequisite: ENC 1101. Corequisite: JOU 1420L.</td>
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<tr>
<td>JOU1200</td>
<td>Newspaper Editing</td>
<td>Fall, Spring</td>
<td>3.00</td>
<td>3.00</td>
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<tr>
<td></td>
<td>This course focuses on the principles of format and layout design, copy editing, headline writing and print media style. Students will write articles, edit and design a news publication with Journalism I students. Prerequisite: JOU 1100.</td>
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<tr>
<td>JOU1343</td>
<td>Convergent Journalism</td>
<td>Fall, Spring</td>
<td>3.00</td>
<td>3.00</td>
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<tr>
<td></td>
<td>This course focuses on writing and producing across media. Essentially, it teaches students how to tell stories in a more engaging way with converged media - using multiple mediums simultaneously to create a stronger story. The program also focuses on training students to report, produce and disseminate news by using new media platforms, such as tablet apps and social media. Prerequisites: RTV 1201C, RTV 1240. Corequisite: DIG 1105C.</td>
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<tr>
<td>JOU1420L</td>
<td>College Newspaper I Lab</td>
<td>Fall, Spring</td>
<td>1.00</td>
<td>3.00</td>
</tr>
<tr>
<td></td>
<td>This course covers the practical application of newsgathering, writing, editing, layout, graphic and photographic skills and journalistic knowledge and judgment in the production of multiple issues of the student newspaper, which also serves as a forum of opinion and a medium of information for the College community. Corequisite: JOU 1100.</td>
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<tr>
<td>JOU1421L</td>
<td>College Newspaper II Lab</td>
<td>Fall, Spring</td>
<td>1.00</td>
<td>3.00</td>
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<tr>
<td></td>
<td>This course covers the practical application of newsgathering, writing, editing, layout, graphic and photographic skills and journalistic knowledge and judgment in the production of multiple issues of the student newspaper, which also serves as a forum of opinion and a medium of information for the College community. Prerequisite: JOU 1100.</td>
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<tr>
<td>JOU1440L</td>
<td>College Magazine Lab</td>
<td>Fall, Spring</td>
<td>1.00</td>
<td>3.00</td>
</tr>
<tr>
<td></td>
<td>Applying the principles of good editing, typography, dynamic layout and design and thematic coherence, the magazine staff presents the prose, poetry, art and photography selected by the editorial board (Creative Writing II class) in an attractive publication for distribution throughout the College.</td>
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<tr>
<td>JOU1441L</td>
<td>College Magazine II Lab</td>
<td>Fall</td>
<td>1.00</td>
<td>3.00</td>
</tr>
<tr>
<td></td>
<td>Applying the principles of good editing, typography, dynamic layout and design and thematic coherence, the magazine staff presents the prose, poetry, art and photography selected by the editorial board (Creative Writing II class) in an attractive publication for distribution throughout the College. Lab fee required. Prerequisite: JOU 1440L.</td>
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</tr>
<tr>
<td>JOU1602</td>
<td>Introduction to Photojournalism</td>
<td>Fall, Spring</td>
<td>3.00</td>
<td>3.00</td>
</tr>
<tr>
<td></td>
<td>This course provides students with a comprehensive understanding of the ethical and practical demands of photojournalism. The course covers the basics of camera operation and photo enhancement software as...</td>
<td></td>
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</tr>
</tbody>
</table>
JOU1602L  Introduction to Photojournalism Laboratory  

Fall, Spring  1.00 Credit - 1.00 Hour

This course is the laboratory component of JOU 1602 Introduction to Photojournalism. Lab fee required. Corequisites: ENC 1101 and JOU 1602.

JOU2103  News Reporting  

Fall, Spring  3.00 Credits - 3.00 Hours

This course focuses on in-depth news reporting and writing for print, web, radio and television. It teaches students the nature of news in a changing media landscape, and it equips them with reporting tools and techniques for effective storytelling while writing for specific media. While focusing on basic stories and specialized reporting, this course also introduces students to media law and ethics as they relate to the rights and responsibilities of a journalist in a democratic society. Prerequisite: JOU 1100. Corequisite: JOU 1420L.

JOU2321  Broadcast Journalism  

Fall, Spring  3.00 Credits - 3.00 Hours

This course focuses on writing news for radio and television, and it emphasizes how the selection criteria for radio and television news differ from those of print news. It teaches students how to prepare radio and television news copy as well as explains the guidelines for using social media as a source of content in a newsroom. Prerequisites: RTV 1201C, RTV 1240 and DIG 1105C.

JOU2330  Features and Specialized Writing  

Fall, Spring  3.00 Credits - 3.00 Hours

This course explores the craft of writing that makes reporting come alive to readers by exploring feature writing techniques and philosophies. Students will learn the basics of feature writing, understand the defining characteristics of various types of specialized writing and learn how to sell freelance stories to media outlets. Prerequisite: JOU 1100. Corequisite: JOU 1420L.

JOU2422L  College Newspaper III Lab  

Fall, Spring  1.00 Credit - 3.00 Hours

This course covers the practical application of newsgathering, writing, editing, layout, graphic and photographic skills and journalistic knowledge and judgment in the production of multiple issues of the student newspaper which also serves as a forum of opinion and medium of information for the College community. Prerequisite: JOU 1421L.

JOU2423L  College Newspaper IV Lab  

Fall, Spring  1.00 Credit - 3.00 Hours

This course covers the practical application of newsgathering, writing, editing, layout, graphic and photographic skill and journalistic knowledge and judgment in the production of multiple issues of the student newspaper which also serves as a forum of opinion and medium of information for the College community. Prerequisite: JOU 2422L.

JOU2442L  College Magazine III Lab  

Fall, Spring  1.00 Credit - 3.00 Hours

Applying the principles of good editing, typography, dynamic layout and design and thematic coherence, the magazine staff presents the prose, poetry, art and photography selected by the editorial board (Creative Writing II class) in an attractive publication for
JOU2443L  College Magazine IV Lab

Fall, Spring 1.00 Credit - 3.00 Hours

Applying the principles of good editing, typography, dynamic layout and design and thematic coherence, the magazine staff presents the prose, poetry, art and photography selected by the editorial board (Creative Writing II class) in an attractive publication for distribution throughout the College. Lab fee required. Prerequisite: JOU 2442L.

JOU2930  Selected Studies in Journalism

Offered as Needed 3.00 Credits - 3.00 Hours

In this course topics of current interest are presented in group instruction.

JOU2941  Cooperative Education Internship in Journalism

Offered as Needed 1.00 Credit - 1.00 Hour

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn cooperative education credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student’s academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student’s chosen major as identified in the student’s program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

JOU2942  Cooperative Education Internship in Journalism

Offered as Needed 2.00 Credits - 2.00 Hours

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn cooperative education credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student’s academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student’s chosen major as identified in the student’s program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

JOU2949  Cooperative Education Internship in Journalism

Offered as Needed 3.00 Credits - 3.00 Hours

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn cooperative education credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student’s academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student’s chosen major as identified in the student’s program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.
JPN1930  Japanese Language and Culture AP
Offered as Needed  3.00 Credits - 0.00 Hours
Credit for this course is awarded to entering students with appropriate scores on the Advanced Placement (AP) examination in Japanese Language and Culture.

JPN1931  Japanese Language and Culture AP
Offered as Needed  3.00 Credits - 0.00 Hours
Credit for this course is awarded to entering students with appropriate scores on the Advanced Placement (AP) examination in Japanese Language and Culture.

LAH2020  Latin American History
Fall, Spring, Summer  3.00 Credits - 3.00 Hours
This course will cover the history of Latin America from 1492 to the present, emphasizing the multi-racial origins of Latin American countries, the development of political institutions, the relationship between Latin America and the U.S.A. and the response of modern Latin America to the challenges of democracy and economic development. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisite or corequisite: ENC 1101 or ENC 1101H.

LAT1230  Latin IB
Offered as Needed  3.00 Credits - 0.00 Hours
Credit for this course is awarded to entering students with appropriate scores on the International Baccalaureate (IB) examination in Latin.

LAT1231  Latin IB
Offered as Needed  3.00 Credits - 0.00 Hours
Credit for this course is awarded to entering students with appropriate scores on the International Baccalaureate (IB) examination in Latin.

LDR3332  Management and Leadership Development
Fall, Spring, Summer  3.00 Credits - 3.00 Hours
This course introduces the business student to the prominent theories and philosophies affecting management and leadership. Through an interdisciplinary lens, students learn the differences between management and leadership and acquire the skills necessary to develop leadership and management styles. The curriculum provides a strong foundation for adding value to an organization by applying management and leadership theory within a practical setting. Prerequisite: GEB 3213.

* LEO0480  Advanced Law Enforcement Vehicle Operations Course
Offered as Needed  0.53 Credits - 16.00 Hours
The is an advanced/specialized training course for law enforcement or corrections officers. Courses in the Advanced Training Program are designed to enhance an officer’s knowledge, skills and abilities for the job he or she performs. In this 16-hour course, the student will understand the advantages of the Precision Immobilization Technique, preferred and non-preferred locations to conduct a P.I.T., steps to executing a proper P.I.T. and circumstances under which a P.I.T. may and may not be utilized. The student will understand the Seminole County Sheriff’s Office policy governing the use of the P.I.T.

* LEO0808  Criminal Justice Selected Topics 8 hours
          0.27 Credits - 8.00 Hours
In this course topics of current interest are presented in group instruction for current law enforcement or corrections officers.

LIS2004  Introduction to Internet Research
Fall, Spring, Summer  1.00 Credit - 1.00 Hour
This course will present the skills necessary for searching the Internet successfully. The course will review the parts of the Internet that are important for accessing information necessary for Gordon Rule papers, essays or research reports. The course will demonstrate how information retrieved on the Internet should be evaluated for its content and credibility and will stress the development of critical thinking skills.

LIT1006  Literature in English AICE A-Level
Offered as Needed  3.00 Credits - 0.00 Hours

Credit for this course is granted for students with passing scores of A, B, C, D and E on the Cambridge AICE (British Level A) examination in English.

LIT1100  English A1 IB
Offered as Needed  3.00 Credits - 0.00 Hours

Credit for this course is awarded to entering students with appropriate scores on the International Baccalaureate (IB) examination in English A1.

LIT1110  English A1 IB
Offered as Needed  3.00 Credits - 0.00 Hours

Credit for this course is awarded to entering students with appropriate scores on the International Baccalaureate (IB) examination in English A1.

LIT2000  Introduction to Literature
Fall, Spring  3.00 Credits - 3.00 Hours

This course is designed to further student understanding of the concepts and applications of analytical and theoretical approaches to literature. Students will employ critical thinking in their interrogation of the texts. This class satisfies the General Education State Core Humanities requirement for AA degree seeking students. Prerequisite: ENC 1102.

LIT2090  Contemporary Literature
Summer  3.00 Credits - 3.00 Hours

This course will explore trends and influences in literature from World War II to the present. Contemporary literature will be examined as a reflection of the philosophy of modern life and as a reflection of the student’s world. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisite: ENC 1101 with a grade of “C” or higher or permission of instructor.

LIT2090H  Honors Contemporary Literature
Fall  3.00 Credits - 3.00 Hours

This course will explore trends and influences in literature from World War II to the present. Contemporary literature will be examined as a reflection of the philosophy of modern life and as a reflection of the student’s world. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisites: ENC 1101 with a grade of “C” or higher and permission of Honors Director.

LIT2120  World Literature II
Fall  3.00 Credits - 3.00 Hours

This course is designed to create an awareness of the ideas, techniques and historical relationships in world literature from the Enlightenment to the present. The Enlightenment, Romanticism, the 19th Century (Realism and Naturalism) and Modernism will be studied. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisite: ENC 1101 with a grade of “C” or higher or permission of instructor.

LIT2120H  Honors World Literature II
Fall  3.00 Credits - 3.00 Hours

This course is designed to create an awareness of the ideas, techniques and historical relationships in world literature from the Enlightenment to the present. The
Enlightenment, Romanticism, the 19th Century (Realism and Naturalism) and Modernism will be studied. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisites: ENC 1101 with a grade of "C" or higher and permission of the Honors Director.

LIT2930  Selected Studies in Literature
Offered as Needed  3.00 Credits - 3.00 Hours

In this course topics of current interest are presented in group instruction. Students with qualifying scores on the CLEP Analyzing and Interpreting Literature exam may receive credit for this course.

LIT2950  Travel/Study in European Literature
Offered as Needed  3.00 Credits - 3.00 Hours

This travel/study course combines preparation on campus, foreign travel and study abroad in the discipline of literature. Variable content depending on the program in which the student enrolls and the specific topics to be covered. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Students must be 18 years of age on or before departure. Prerequisite or corequisite: ENC 1101.

LNW1321  Latin: Vergil
Offered as Needed  3.00 Credits - 0.00 Hours

Credit for this course is awarded to entering students with an appropriate score on the Advanced Placement (AP) examination in Latin: Vergil.

LNW1700  Latin Literature Advanced Placement (AP)
Offered as Needed  3.00 Credits - 0.00 Hours

Credit for this course is awarded to entering students with an appropriate score on the Advanced Placement (AP) examination in Latin Literature.

MAC1105  College Algebra
Fall, Spring, Summer  3.00 Credits - 3.00 Hours

This course is a study of the fundamental topics in advanced algebra with emphasis on applications, the understanding of the function concept and manipulative skills. Major topics include operations on algebraic expressions and complex numbers, solving polynomial equations and inequalities, absolute value equations and inequalities and rational equations and inequalities, applications, functions, exponents and logarithms, graphs of polynomial, exponential and logarithmic functions and systems of equations and inequalities. The use of graphing calculators will be incorporated throughout the course. This class satisfies the General Education State Core Mathematics requirement for AA degree seeking students. Prerequisite: MAT 1033 with a grade of "C" or higher or sufficient score on placement test.

MAC1105H  Honors College Algebra
Fall, Spring, Summer  3.00 Credits - 3.00 Hours

This course is a study of the fundamental topics in advanced algebra with an emphasis on applications, the understanding of the function concept and manipulative skills. Major topics include operations on algebraic expressions and complex numbers, solving polynomial equations and inequalities, absolute value equations and inequalities and rational equations and inequalities, applications, functions, exponents and logarithms, graphs of polynomial, exponential and logarithmic functions and systems of equations and inequalities. The use of graphing calculators will be incorporated throughout the course. Honors level content, including enhanced use of technology and critical thinking skills in application problems will be essential components of this course. Permission required from Honors director. This class satisfies the General Education State Core Mathematics requirement for AA degree seeking students. Prerequisites: Acceptance into Honors program and MAT 1033 with a grade of "C" or higher or sufficient score on placement test.
MAC1108 Applications of College Algebra

Fall, Spring 1.00 Credit - 1.00 Hour

This course is team-taught with biology, chemistry and physics faculty. How concepts from college algebra are applied to the fields of biology, chemistry and physics will be examined. Corequisite: MAC 1105.

MAC1114 Trigonometry

Fall, Spring, Summer 3.00 Credits - 3.00 Hours

This course is a calculus preparatory course in trigonometry with emphasis upon functions. The topics include angular measure, right triangle and unit circle trigonometry, trigonometric (circular) and inverse trigonometric functions and their graphs, trigonometric identities, conditional trigonometric equations, solution of right and oblique triangles, vectors, complex numbers in trigonometric form, applications, polar coordinates and graphs and parametric equations and graphs. The use of graphing calculators will be incorporated throughout the course. Prerequisite: MAC 1105 or MAC 1140 with a grade of "C" or higher or sufficient score on placement test.

MAC1118 Applications of Trigonometry

Spring 1.00 Credit - 1.00 Hour

This course is team-taught with biology, chemistry and physics faculty. How concepts from trigonometry are applied to the fields of biology, chemistry and physics will be examined. Prerequisite or corequisite: MAC 1114 or higher level mathematics course.

MAC1140 Precalculus Algebra

Fall, Spring, Summer 3.00 Credits - 3.00 Hours

This is a course in precalculus algebra intended for the student who is planning to take trigonometry and the calculus sequence. Major topics include rational and other algebraic functions and their graphs, piecewise-defined functions, a review of exponential and logarithmic functions, conic sections, matrices and determinants, sequences and series, Mathematical Induction, the Binomial Theorem and applications. The use of graphing calculators will be incorporated throughout the course. This course may be taken concurrently with MAC 1114, Trigonometry. Prerequisite: MAC 1105 or MAC 1140 with a grade of "C" or higher or sufficient score on placement test.

MAC1147 Precalculus Algebra/Trigonometry

Fall, Spring, Summer 5.00 Credits - 5.00 Hours

This is a course in precalculus algebra and trigonometry intended for the student who is planning to take the calculus sequence. This course condenses into a five-credit hour format all topics of Precalculus Algebra (MAC 1140) and Trigonometry (MAC 1114). Algebra topics include the following: polynomial, rational and other algebraic functions and their graphs, piecewise-defined functions, a review of exponential and logarithmic functions, conic sections, matrices and determinants, sequences and series, Mathematical Induction, the Binomial Theorem, and applications. Trigonometry topics include angular measure, right triangle and unit circle trigonometry, trigonometric (circular) and inverse trigonometric functions and their graphs, trigonometric identities, conditional trigonometric equations, solution of right and oblique triangles, vectors, complex numbers in trigonometric form, applications, polar coordinates and graphs and parametric equations and graphs. The use of graphing calculators will be incorporated throughout the course. Successful completion of a high school course containing trigonometric topics and/or concepts is recommended. Prerequisite: MAC 1105 with a grade of "B" or higher or sufficient score on placement test.

MAC1148 Applications of Precalculus

Fall 1.00 Credit - 1.00 Hour

This course is team-taught with biology, chemistry and physics faculty. How concepts from precalculus are applied to the fields of biology, chemistry and physics will be examined. Prerequisite or corequisite: MAC 1140 or higher level mathematics course.
MAC1931  Selected Studies in Mathematics

Offered as Needed  1.00 Credit - 1.00 Hour

This course is scheduled for individual students who wish to explore topics not covered in the curriculum. The student must present a design of the study (learning contract) to the faculty member who is to direct the work. Approval from the dean is required prior to registration. This course must be completed with a grade of "C" or higher.

MAC2233  Concepts of Calculus

Fall, Spring, Summer  3.00 Credits - 3.00 Hours

This course is a study of Differential and Integral Calculus of algebraic, exponential and logarithmic functions with applications to business analysis. It is designed to provide the student of business and social sciences a course in applied calculus. This course is not intended for the student who is required to complete the calculus series. Prerequisite: MAC 1105 or MAC 1114 or MAC 1140 or MAC 1147 or MAC 2311 with a grade of "C" or higher or sufficient score on placement test.

MAC2311  Analytic Geometry and Calculus I

Fall, Spring, Summer  5.00 Credits - 5.00 Hours

This is a first course in analytic geometry and the theory and application of calculus. Selected topics include a review of functions, limits and continuity, the derivative, differentiation of algebraic and transcendental functions and their inverses, the Mean Value and Intermediate Value Theorems, extrema and graph sketching, area and the definite integral, anti-differentiation and the Fundamental Theorem of Calculus and integration of transcendental functions and their inverses. The graphing calculator will be used throughout the course. This class satisfies the General Education State Core Mathematics requirement for AA degree seeking students. Prerequisites: Acceptance into Honors program and MAC 1114 and MAC 1140 or MAC 1147 with a grade of "C" or higher or sufficient score on placement test.

MAC2312  Analytic Geometry and Calculus II

Fall, Spring, Summer  5.00 Credits - 5.00 Hours

This course is a continuation of MAC 2311. Selected topics include conics, translation and rotation of axes, techniques of integration, arc length and other applications of the definite integral, polar coordinates, indeterminate forms and improper integrals, infinite sequences and series and Taylor’s Formula. A graphing calculator will be used throughout the course. Students should ask the instructor which calculator will be used. Prerequisite: MAC 2311 with a grade of "C" or higher.

MAC2313  Analytic Geometry and Calculus III

Fall, Spring, Summer  4.00 Credits - 4.00 Hours

This course is a continuation of MAC 2312. Selected topics include parametric equations, vectors in the plane and 3-space, directional derivatives and curvature, quadric surfaces, cylindrical and spherical coordinates, differential calculus of functions of two and three variables and multiple integration. A graphing calculator and a computer algebra system

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will be used throughout the course. Students should ask the instructor which calculator will be used. Prerequisite: MAC 2312 with a grade of "C" or higher.

**MAC2905 Directed Studies in Mathematics**

**Fall, Spring** 3.00 Credits - 3.00 Hours

This course is scheduled for individual students who wish to explore topics not covered in the curriculum. The student must present a design of study (learning contract) to the faculty member who is to direct the work. Approval from the dean is required prior to registration. This course may be taken four times for credit. Prerequisite: MAC 1105 with a grade of "C" or higher or sufficient score on placement test.

**MAE2801 Elementary School Mathematics**

**Fall, Spring** 4.00 Credits - 4.00 Hours

This course is a thorough treatment of mathematics appropriate for the elementary school teacher. It includes the study of the six basic sets of numbers, mathematical concepts such as operations and sets, learning sequences, algorithms, problem-solving techniques, error patterns, number systems and geometry. The topics will be taught from the viewpoint of a child through modeling. Prerequisite: MAC 1105 or MGF 1106 or MGF 1107 with a grade of "C" or higher.

**MAN1400 Labor Relations Excelsior Exam**

**Offered as Needed** 3.00 Credits - 0.00 Hours

Credit for this course is granted to students with passing scores on the Excelsior College Examination in Labor Relations.

**MAN2021 Introduction to Management**

**Fall, Spring, Summer** 3.00 Credits - 3.00 Hours

This course emphasizes the study of the four fundamental functions of management: planning, leading, organizing and controlling and their application to business decision-making. Connections will be made between the planning process and the controlling function to evaluate organizational performance. The course also studies theoretical principles of management, communication concepts, human resource management, organizational structures as well as motivational theory. Principles will be applied to entrepreneurial, corporate and international organizations.

**MAN2043 Quality Management**

**Fall, Spring, Summer** 3.00 Credits - 3.00 Hours

Overview of the history and current practices related to the quality movement. Students will study contributions of quality experts such as Deming, Juran and Crosby and will be introduced to the concepts of team management, group processes and problem-solving skills. Various measurement tools for process improvement and control will be examined.

**MAN2060 Sustainable Business**

**Fall, Spring, Summer** 3.00 Credits - 3.00 Hours

This course will focus on management of sustainability in enterprises using a problem-based learning approach. A foundation of knowledge in sustainable business practices in a variety of industry settings will be developed.

**MAN2300 Human Resources Management**

**Fall, Spring** 3.00 Credits - 3.00 Hours

The purpose of this course is to explore the theories and practices relating to the management of human resources (HR). The role of the human resources department will be discussed regarding its role in the corporate organization as well as meeting personnel corporate goals and objectives. The course will also explore HR’s relationship with functional departments, departmental supervisors, as well as middle and executive management. The principles of job analysis, job description, job skills, recruitment and selection
techniques, motivation and performance evaluation will be explored in depth.

MAN2500  Operations Management

Fall, Spring, Summer  3.00 Credits - 3.00 Hours

This course introduces students to operations management techniques including their application to functional areas of the business enterprise. Topics include the design and management of production operations including productivity, strategy, capacity planning, location, layout, resource management, just-in-time systems, materials requirement planning and project management. Upon completion, students should be able to demonstrate the ability to make decisions and resolve problems in an operations management environment and demonstrate an understanding of the role of operations management in the supply chain.

MAN2604  Global Management

Fall, Spring, Summer  3.00 Credits - 3.00 Hours

This course involves a comparative study of global management practices. This course also addresses the questions of how and when to be sensitive to cultural issues and to develop the skills needed to effectively manage in diverse global environments.

MAN2930  Selected Studies in Business Management

Fall, Spring  3.00 Credits - 3.00 Hours

In this course topics of current interest are presented in group instruction.

MAN2941  Cooperative Education Internship in Business

Fall, Spring, Summer  1.00 Credit - 1.00 Hour

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn cooperative education credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student’s academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student’s chosen major as identified in the student’s program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

MAN2942  Cooperative Education Internship in Business

Fall, Spring, Summer  2.00 Credits - 2.00 Hours

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn cooperative education credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student’s academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student’s chosen major as identified in the student’s program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

MAN2949  Cooperative Education Internship in Business

Fall, Spring, Summer  3.00 Credits - 3.00 Hours

This course is designed to provide students the opportunity to apply classroom theory to practical,
work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn cooperative education credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student’s academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student’s chosen major as identified in the student’s program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Term</th>
<th>Credits</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAN3025</td>
<td>Management of Organizations</td>
<td>Fall, Spring, Summer</td>
<td>3.00</td>
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<tr>
<td></td>
<td>This course covers the introduction to the theory and practice of managing formal organizations, including planning, organization theory, human behavior and control.</td>
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<tr>
<td>MAN3320</td>
<td>Management of Strategic Human Resources</td>
<td>Fall, Spring, Summer</td>
<td>3.00</td>
<td>3.00</td>
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<tr>
<td></td>
<td>This course covers a complete and comprehensive review of human resource management concepts.</td>
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<tr>
<td>MAN3504</td>
<td>Operations Management and Logistics</td>
<td>Fall, Spring</td>
<td>3.00</td>
<td>3.00</td>
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<td></td>
<td>This course covers the introduction of the theory and practice of operations research and logistics. Prerequisite or corequisite: ENC 3213 or GEB 3213.</td>
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<tr>
<td>MAN3781</td>
<td>Sustainable Business Strategies</td>
<td>Fall, Spring, Summer</td>
<td>3.00</td>
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</tbody>
</table>

This course is intended to provide an overview of concepts, tools and techniques necessary to build and operate a sustainable organization. Topics covered include the role of leadership in sustainability, organizational design issues, capital investment, costing and risk management systems, incentives and rewards, measurement of social, environmental and economic impacts, green marketing concepts and internal and external reporting.

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</thead>
<tbody>
<tr>
<td>MAN4597</td>
<td>Global Supply Chain Management</td>
<td>Fall, Spring, Summer</td>
<td>3.00</td>
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<td></td>
<td>This course presents an overview of the management of sourcing, operations and distribution processes along a supply chain in domestic and international markets. Students will learn how firms gain a competitive advantage through supply chain activities. Topics include supply chain network design, purchasing, forecasting, inventory management, globalization and outsourcing, logistics and information technology.</td>
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<tr>
<td>MAN4600</td>
<td>International Business and Management</td>
<td>Fall, Spring</td>
<td>3.00</td>
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<td></td>
<td>This course covers issues involved in the multinational management of business firms with an emphasis on comparative management.</td>
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<tr>
<td>MAP2302</td>
<td>Elementary Differential Equations</td>
<td>Fall, Spring, Summer</td>
<td>3.00</td>
<td>3.00</td>
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<tr>
<td></td>
<td>This is a first course in ordinary differential equations with applications including boundary value problems, methods of solution of first order differential equations and the solution of higher order linear equations by methods which may include undetermined coefficients, operators, variation of parameters, Laplace transforms and series solutions. A graphing calculator and a computer algebra system will be used throughout the course. Students should ask the instructor which calculator will be used. Prerequisite: MAC 2312.</td>
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MAR1720  Social Media Research and Strategy

Fall, Spring  3.00 Credits - 3.00 Hours

This course emphasizes researching current social media techniques and their application to the business marketing environment. Current social media advertising platforms will be examined and reviewed. Techniques and insights for extracting business value out of social media will be examined. Review of data analytics including ROI will be applied to social media tools. Prerequisite: DIG 1105C for MARSOC-AS students only.

MAR2011  Marketing

Fall, Spring, Summer  3.00 Credits - 3.00 Hours

This is an introductory course in marketing, emphasizing the four elements of the Marketing Mix: Product, Price, Place and Promotion. The course focuses on the marketing concept, role of strategic planning and development of marketing strategies. In addition, the concepts of market segmentation, demographics and selection of a target market will be studied. Importance of market research, consumer and industrial buying habits and the differences between consumer and industrial goods are also explored. Concepts behind product development and product acceptance are reviewed in the context of pricing and promotional techniques throughout the product life cycle. Importance of branding is evaluated. The concept of an integrated marketing campaign is explored within the context of the promotional mix - advertising, direct selling, sales promotion and public relations. Online marketing is explored utilizing the Internet.

MAR2141  Global Marketing

Spring  3.00 Credits - 3.00 Hours

This is an advanced course emphasizing the application of fundamental marketing principles to a global marketplace. The global marketplace consists of over two hundred countries and an even greater number of languages and cultures worldwide. The course focuses on the role of strategic planning and the development of marketing strategies for this international marketplace. Strategies for opening up new markets will be explored - pure exporting, use of local distributors, global manufacturing and wholly owned subsidiaries. Basic concepts of demographics, market segmentation and selection of target markets will be applied to this complex worldwide stage. The course will explore the differences in international consumer and industrial buying habits as well as the impact of language, culture and religion on local promotional campaigns. The complexity of product development, product naming and pricing will be explored on a country-by-country basis. This course will also explore the complexities of developing worldwide distribution systems as they are affected by differing local laws, taxation and regulations.

MAR2723  Social Media Implementation

Fall, Spring  3.00 Credits - 3.00 Hours

This course emphasizes the development and implementation of a marketing strategy with emphasis on social media applications. Content will be developed for specific social media platforms. Topics covered will include development of an e-Marketing plan, market segmentation and targeting strategies, customer relationship management techniques, and the differentiation of owned and paid media. Prerequisite: MAR 1720.

MAR2760  Entrepreneurial Marketing and Professional Selling

Fall, Spring, Summer  3.00 Credits - 3.00 Hours

This course will provide essential insight for successfully marketing an entrepreneurial venture using innovative marketing strategies. This course is designed to provide entrepreneurs with practical applications in interactive technologies and web-based services. Students will gain experience in the use of marketing via the Internet and social media. The student will be introduced to the role that direct selling and direct marketing play in the entrepreneurial environment. Students will develop a marketing project to assist in launching and implementing the new marketing venture. Prerequisite: GEB 1011.
This advanced course covers the methodologies employed in a successful selling process. Course will include applications of selling techniques, understanding buying behavior and the employment of negotiating skills in the selling cycle. The essential sales theories and principles are developed and practiced through student involvement in sales presentations. Prerequisites: ECO 2013 (and ECO 2023 for BIM students only).

MAR3721 Digital Media Marketing

Fall, Spring, Summer  3.00 Credits - 3.00 Hours

This course involves the application of contemporary digital media technologies to marketing strategy development and decision-making. Prerequisite: MAR 3023.

MAS2103 Linear Algebra

Summer  3.00 Credits - 3.00 Hours

This is a survey course of introductory linear algebra. Fundamental concepts of linear algebra and matrix theory are introduced. Topics in the course include vectors, matrices, determinants, linear transformations, system of linear equations, eigenvalues, eigenvectors and their applications. Prerequisite: MAC 2311 with a grade of “C” or higher.

* MAT0018C Developmental Mathematics I

Fall, Spring, Summer  4.00 Credits - 4.00 Hours

This course includes whole numbers, integers, fractions, decimals, decimals and percents, geometry and pre-algebra. Credit is not applicable toward A.A. or A.S. degrees. Prerequisite: Sufficient score on placement test.

* MAT0022 Developmental Mathematics Combined

Fall, Spring, Summer  4.00 Credits - 4.00 Hours
This course includes a combination of competencies from Developmental Mathematics I and II. Credit is not applicable toward A.A. or A.S. degrees. Prerequisite: sufficient score on placement test.

* MAT0028C Developmental Mathematics II

Fall, Spring, Summer 4.00 Credits - 4.00 Hours

This course includes exponents and polynomials, factoring, radicals, rationals, linear equations and graphing. Credit is not applicable toward A.A. or A.S. degrees. Prerequisite: MAT 0018C with a grade of "C" or higher or sufficient score on placement test.

* MAT0055 Developmental Mathematics Module

Fall, Spring, Summer 1.00 Credit - 1.00 Hour

The course uses an adaptive learning program in which students complete an initial assessment. Based on this assessment, students complete modularized assignments designed to strengthen specific deficiencies by working on the topics and objectives they need to master the material and achieve college readiness. Course credit is not applicable toward the A.A. or A.S. degrees. This course prepares students for MAT 1033 Intermediate Algebra and MAT 1100 Mathematical Understanding and Applications. Prerequisite: Sufficient score on placement test or grade of "S" in MAT 0057 with department consent.

* MAT0057 Pre-College Mathematics

Fall, Spring, Summer 3.00 Credits - 3.00 Hours

This course provides specialized instruction in developmental mathematics concepts to prepare students for Intermediate Algebra (MAT 1033). Topic modules include operations with whole numbers and integers, simplifying algebraic expressions, computations with fractions, mixed numbers, decimals, ratio, proportion and percent, plane geometric figures and applications, solving linear equations and inequalities, graphing linear equations, operations with exponents and polynomial expressions, introduction to rational expressions and radicals. Successful completion of this course requires mastery of the material in each module and a passing score on the department final exam. This course may be repeated for up to nine credits. Course credit is not applicable toward the A.A. or A.S. degrees. This course prepares students for MAT 1033 Intermediate Algebra and MAT 1100 Mathematical Understanding and Applications. Prerequisite: Sufficient score on placement test or MAT 0018C or MAT 0028C with grades of "C" or higher or equivalent.

MAT1033 Intermediate Algebra

Fall, Spring, Summer 4.00 Credits - 4.00 Hours

This is an intermediate course in formal algebra for students without a strong background in algebra. Topics include sets, the real number system and number properties, absolute value, products and factoring, algebraic fractions, linear and quadratic equations and inequalities with applications, systems of equations, radicals, rational exponents, graphs and relations and functions (four elective credits). Prerequisite: MAT 0022C or MAT 0028C or MAT 0057 or equivalent with a grade of "C" or higher or MAT 0055 with a passing grade or sufficient score on placement test.

MAT1100 Mathematical Understanding and Applications

Fall, Spring, Summer 3.00 Credits - 3.00 Hours

This course is designed to be a foundation for students preparing to take MGF 1106, MGF 1107 or STA 2023. A strong emphasis will be placed on the application of linear equations and inequalities, systems of linear equations and quadratic equations. Topics also include real numbers and their properties, products and factoring, graphs and functions, counting methods, descriptive statistics as well as an introduction to probability and financial mathematics. Students who already have credit for MAT 1033 Intermediate Algebra do not need to take this course. Prerequisite: MAT 0022C or MAT 0028C or MAT 0057 or equivalent with a grade of "C" or higher or MAT 0055 with a passing grade or sufficient score on placement test.
### MCB1000  Microbiology Excelsior Exam
**Offered as Needed**  3.00 Credits - 0.00 Hours

Credit for this course is granted to students with passing scores on the Excelsior College Examination in Microbiology.

### MCB2010C  Microbiology
**Fall, Spring, Summer**  4.00 Credits - 7.00 Hours

This fundamental course in Microbiology is designed to fulfill the needs of nursing students as well as other allied health majors. The course stresses the structure, nutrition, growth, control, metabolism and introductory genetics of bacteria. An introduction to fungi, parasites and viruses is included. Laboratory experience in techniques and primary isolation will be provided. Lab fee required. Prerequisite: BSC 2010C with a grade of "C" or higher or permission of dean.

### MCB2903  Directed Studies in Microbiology
**Offered as Needed**  3.00 Credits - 3.00 Hours

This course is scheduled for individual students who wish to explore topics not covered in the curriculum. The student must present a design of study (learning contract) to the faculty member who is to direct the work. Approval from the dean is required prior to registration.

### MCB2905  Directed Studies in Microbiology
**Offered as Needed**  4.00 Credits - 4.00 Hours

This course is scheduled for individual students who wish to explore topics not covered in the curriculum. The student must present a design of study (learning contract) to the faculty member who is to direct the work. Approval from the dean is required prior to registration.

### MCB2931  Selected Studies in Microbiology
**Offered as Needed**  1.00 Credit - 1.00 Hour

In this course topics of current interest are presented in group instruction.

### MCB2934C  Selected Studies in Microbiology
**Offered as Needed**  4.00 Credits - 7.00 Hours

In this course topics of current interest are presented in group instruction. This course may be taken two times for credit. Prerequisite: MCB 2010C with a grade of "C" or higher.

### * MEA0520  Phlebotomist
**Fall, Spring**  2.50 Credits - 75.00 Hours

This course provides knowledge and skills necessary to perform phlebotomy. Laboratory activities are an integral part of the program. After completion of the 165-hour Phlebotomy program, students may wish to receive national certification through the National Career Association. Certification is not required to secure employment as a phlebotomist and is voluntary. Students must show proof of Hepatitis B series or declination form to the instructor the first week of class. Prerequisite or corequisite: HSC 0003.

### MET1010  Introduction to Meteorology
**Fall, Spring, Summer**  3.00 Credits - 3.00 Hours

This beginning course is designed to acquaint students with the elementary characteristics of the atmosphere. Students with an interest in aviation would especially benefit from many units taught in the course. Units include a study of atmospheric structure, heat budget, winds, air pollution, local and regional weather forecasting and more. Weather products are downloaded from the Internet and used throughout the course. Optional field trips included.

### MET1010C  Introduction to Meteorology with Lab
Spring  4.00 Credits - 5.00 Hours

This beginning course is designed to acquaint students with the elementary characteristics of the atmosphere. Students with an interest in aviation would especially benefit from many units taught in the course. Units include a study of atmospheric structure, heat budget, winds, air pollution, local and regional weather forecasting and more. Weather products are downloaded from the Internet and used throughout the course. Laboratory work will focus on the extracting of information from online weather resources and the use of other weather-related tools. Optional field trips included. Lab fee required.

MET1104  Introduction to Climate Studies

Fall, Spring  3.00 Credits - 3.00 Hours

This course explores the scientific principles that govern the Earth’s climate, climate change and variability and its implications for society. It will also examine the relationship between climate and human activities. Topics include global warming, sea-level changes, past climates, types of climate, climate policy and more.

MGF1106  College Mathematics

Fall, Spring, Summer  3.00 Credits - 3.00 Hours

The following topics will be covered in this course: sets and Venn diagrams, logic, inductive and deductive reasoning, counting principles, permutations and combinations, probability, descriptive statistics and geometry. This class satisfies the General Education State Core Mathematics requirement for AA degree seeking students. Prerequisite: MAC 1105 or MAT 1033 or MAT 1100 or equivalent with a grade of “C” or higher or sufficient score on placement test.

MGF1107  Liberal Arts Mathematics

Fall, Spring, Summer  3.00 Credits - 3.00 Hours

This course provides an opportunity for students to see mathematics used in ways not seen in traditional mathematics courses. Topics are selected from the following: financial mathematics, numbers and number systems, elementary number theory and graph theory. Additional topics may be included at the discretion of the instructor. History of mathematics, critical thinking skills, problem-solving techniques and the appropriate use of technology will be used throughout the course. This class satisfies the General Education State Core Mathematics requirement for AA degree seeking students. Prerequisite: MAC 1105 or MAT 1033 or MAT 1100 or equivalent with a grade of “C” or higher or sufficient score on placement test.

MKA2021  Principles of Selling

Fall, Spring  3.00 Credits - 3.00 Hours

This course is a study and analysis of the role of sales in today’s economy. Emphasis is on sales techniques and applications of sales principles. Sales management and operation are also studied in the course.

MNA1032  Principles of Project Management

Offered as Needed  3.00 Credits - 3.00 Hours
This course provides an overview of the theory and practice of managing any project in any organization. The fundamental building blocks of project management are addressed, including project planning, organizing, team building and effective control mechanisms. Students will be introduced to entrepreneurship and its role in corporate projects. Students gain a solid understanding and foundation to successfully manage each phase of the project life cycle, work within organizational and cost constraints, set goals lined directly to stakeholder needs and utilize proven management tools to complete the project on time and within budget. Students apply the essential concepts, processes and techniques that are used in the management of large scale governmental or commercial programs. The key management aspects and proven techniques that differentiate project management from other types of management are fully addressed.

MNA1033 Organizational Behavior for Project Teams

Offered as Needed 3.00 Credits - 3.00 Hours

Managing the human elements of project management is as challenging as mastering the technical aspects. Innovative approaches are employed to successfully motivate, communicate, negotiate and resolve conflicts among the team members and stakeholders. In this course, students develop an understanding of the individual, the group and the project team. Proven techniques to make conflict a constructive rather than a destructive experience are discovered. Students develop effective communication, negotiation and conflict resolution skills to successfully lead both domestic and global projects. Prerequisite: MNA 1032.

MNA1034 Making Project Decisions

Offered as Needed 3.00 Credits - 3.00 Hours

Making business and entrepreneurial decisions requires leadership and an in-depth knowledge of finance and engineering economics. This comprehensive course is divided into three parts. Part I is the study of financial concepts and introduces record keeping, financial statements and the accounting equation. Part II is the financial analysis and time value of money and focuses on the traditional approaches of interest calculations, applications of time value of money and project analysis and justification. Part III is financial decision-making and looks at the decision-making tools that complement time value of money analysis like breakeven, ROI, IRR and NVP of cash flows. Prerequisite: MNA 1033.

MNA1035 Introduction to Project Planning

Offered as Needed 3.00 Credits - 3.00 Hours

The focus of this course is to use the tools and techniques of project planning, scheduling and allocating resources. Students design work breakdown structures, identify work packages, allocate resources and develop project schedules using standard networking techniques. Students are introduced to techniques for estimating, forecasting, budget monitoring, controlling and reporting project costs. Students apply modern project management concepts and tools to real world projects through the use of carefully selected case studies and project simulations. Students will use project management software for creating schedules. Prerequisite: MNA 1034.

MNA1036 Project Quality and Risk

Offered as Needed 3.00 Credits - 3.00 Hours

Risk management is the systematic process of identifying, analyzing, evaluating and controlling project risks. An in-depth introduction to the analysis of risk management methodologies from both the strategic and tactical aspects will be addressed. Students will be introduced to both qualitative and quantitative risk analyses including strategies for proactive risk aversion and reactive risk response. Students learn how a comprehensive risk management approach can enable a project team to proactively manage issues that adversely impact the successful control and completion of a project. Prerequisite: MNA 1035.
MNA1345  Principles of Supervision - DSST
Offered as Needed  3.00 Credits - 0.00 Hours
Credit for this course is awarded to entering students with appropriate scores on the DSST (DANTES) examination in Principles of Supervision.

MNA2216  Inventory Management
Fall, Spring, Summer  3.00 Credits - 3.00 Hours
This course presents an analysis of inventory control problems and methods. Topics include demand forecasting, independent demand inventory systems, inventory models and aggregate planning. Inventory management will be presented within the context of sustainable, efficient and effective supply chain management.

MNA2320  Human Resources Recruitment and Staffing
Fall, Spring  3.00 Credits - 3.00 Hours
This course examines how the functions of recruitment, selection, staffing and training fit into a human resources department. Students will practice analyzing positions, recruiting qualified applicants, interviewing candidates for employment and, once hired, orienting and training them.

MNA2325  Human Resources Compensation and Benefits Administration
Fall, Spring  3.00 Credits - 3.00 Hours
This course discusses various compensation and benefit plans, legal issues and the administration of compensation and benefit plans. Emphasis is on providing a basic understanding of the business concepts utilized in the compensation and benefits area.

MNA2403  Introduction to Human Resources Management Law and Regulations
Fall, Spring  3.00 Credits - 3.00 Hours
This course is a study of human resources management law and regulations. Topics include state and federal employment regulation, Civil Rights Acts, EEOC legislation, OSHA, Rights of Women and Elderly and Handicapped as they apply to human resources functions.

MSL1001C  Foundations of Officership
Fall, Spring  2.00 Credits - 3.00 Hours
This course examines the unique duties and responsibilities of officers, the organization and role of the Army, reviews skills pertaining to fitness and communication and analyzes Army values and expected ethical behavior. Two-hour lab per week required.

MSL1002C  Basic Leadership
Fall, Spring  2.00 Credits - 4.00 Hours
This course presents fundamental leadership concepts and doctrine, practices basic skills that underlie effective problem-solving and examines the officer experience. Two-hour lab per week required.

MSL2101C  Individual Leadership Studies
Fall, Spring  2.00 Credits - 3.00 Hours
This course develops knowledge of self, self-confidence and individual leadership skills, develops problem-solving and critical thinking skills and applies communication, feedback and conflict resolution skills. Two-hour lab per week required.

MSL2102C  Leadership and Teamwork
Fall, Spring  2.00 Credits - 4.00 Hours
This course focuses on self-development guided by knowledge of self and group processes and challenges current beliefs, knowledge and skills. Two-hour lab per week required.

MTB1329  Applied Mathematical Concepts for Engineering Technology

Fall, Spring, Summer  3.00 Credits - 3.00 Hours

This course involves the practical uses of applied mathematics in the areas of engineering technology, design and construction. Trigonometric functions are covered as well as law of sines, law of cosines and basic vector mechanics.

MUE2010  Music and Movement

Spring, Summer  3.00 Credits - 3.00 Hours

This course presents developmentally appropriate music and movement experiences for young children. Students will be involved in singing, creating, listening to and learning about making music and encouraging children to move to music. Students will develop an understanding of the importance music plays in the early childhood curriculum and how to incorporate it into the daily routine to accomplish a variety of curriculum goals.

MUH1001  Music AICE AS-Level

Offered as Needed  3.00 Credits - 0.00 Hours

Credit for this course is granted to students with passing scores of A, B, C, D or E on the Cambridge AICE British (Level A) exam.

MUH2001  Music AICE A-Level

Offered as Needed  3.00 Credits - 0.00 Hours

Credit for this course is granted to students with passing scores of A, B, C, D or E on the Cambridge AICE British (Level A) exam.

MUH2011  Music AICE A-Level

Offered as Needed  3.00 Credits - 0.00 Hours

Credit for this course is granted to students with passing scores of A, B, C, D or E on the Cambridge AICE British (Level A) exam.

MUH2022  History of Rock Music

Fall, Spring, Summer  3.00 Credits - 3.00 Hours

This course traces the historical origins, characteristics and stylistic developments of rock music from a musical and sociological perspective. This course is not recommended for music majors. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisite: Eligibility to enroll in ENC 1101 OR test scores that indicate ENC 1101 eligibility OR completion of appropriate college developmental courses for ENC 1101 with grades of “C” or higher OR completion of EAP coursework for ENC 1101 eligibility with grades of “C” or higher.

MUH2026  Introduction to Blues and Jazz

Fall, Spring, Summer  3.00 Credits - 3.00 Hours

This course is designed to introduce to the student primary forms and genres of blues and jazz music in both their historical and cultural context. Blues and jazz will be explored methodically as a distinctly American contribution to world music. The course will feature lecture and performance presentations by some of Florida’s better known musicians and commentators. Literary and visual images of blues and jazz idioms will be incorporated into the course content. Assigned readings with active listening are an integral part of the course. The student will be
introduced to Internet resources on the subject of blues and jazz themes. Students will be required to compose a journal with reactionary criticisms of blues and jazz guests and must complete a project that presents biographical and musical materials about a selected blues or jazz musician. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. This course fulfills the Area B Humanities requirement. Prerequisite: Eligibility to enroll in ENC 1101 OR test scores that indicate ENC 1101 eligibility OR completion of appropriate college developmental courses for ENC 1101 with grades of “C” or higher OR completion of EAP coursework for ENC 1101 eligibility with grades of “C” or higher.

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<tr>
<th>Course Code</th>
<th>Course Name</th>
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<th>Credits</th>
<th>Hours</th>
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<tbody>
<tr>
<td>MUL1012</td>
<td>Music IB</td>
<td>Offered as Needed</td>
<td>3.00</td>
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<tr>
<td>MUL2010</td>
<td>Music Appreciation</td>
<td>Fall, Spring, Summer</td>
<td>3.00</td>
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<tr>
<td>MUL2014</td>
<td>Introduction to Music History and Literature</td>
<td>Fall</td>
<td>3.00</td>
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</tbody>
</table>

This course is an introduction to music literature, history and culture for music majors. Topics to be addressed include an overview of musical repertories and cultures from the western art music tradition, American jazz and a selected case study of non-western music from a variety of musical traditions and historical periods, including from the western middle ages and north India. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisite: Eligibility to enroll in ENC 1101 OR test scores that indicate ENC 1101 eligibility OR completion of appropriate college developmental courses for ENC 1101 with grades of “C” or higher OR completion of EAP coursework for ENC 1101 eligibility with grades of “C” or higher.

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<tr>
<th>Course Code</th>
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<th>Credits</th>
<th>Hours</th>
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<tr>
<td>MUN1180M</td>
<td>Symphonic Band</td>
<td>Fall, Spring, Summer</td>
<td>1.00</td>
<td>3.00</td>
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<tr>
<td>MUN1310M</td>
<td>Seminole Singers</td>
<td>Fall, Spring</td>
<td>1.00</td>
<td>3.00</td>
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<tr>
<td>MUN1310N</td>
<td>Seminole Concert Chorale</td>
<td>Fall, Spring</td>
<td>1.00</td>
<td>3.00</td>
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</table>

This course is created for a chorus of mixed voices which is open to all students of the College who enjoy singing a wide variety of choral literature. No audition is necessary. This course may be repeated for credit multiple times.

Seminole Concert Chorale is the College’s premier classical choral ensemble for music majors or others with choral experience. This course may be repeated for credit multiple times.
MUN1370  SeminoleSound

Fall, Spring  1.00 Credit - 3.00 Hours

SeminoleSound is the contemporary vocal jazz ensemble for the College. Audition is required. Dean’s permission is required. This course may be repeated for credit multiple times.

MUN1380  Seminole Community Chorus

Fall, Spring  1.00 Credit - 3.00 Hours

Open to all students, the Seminole Community Chorus is a course offering a wide variety of types and periods of choral literature, specializing in the great masterworks. This course is primarily a form of recreation and cultural enrichment for College students and members of the community. This course may be repeated for credit multiple times.

MUN1710  Jazz Ensemble

Fall, Spring, Summer  1.00 Credit - 3.00 Hours

This course is open to all students. Jazz Ensemble has a repertoire that includes both traditional and contemporary jazz and rock literature. No audition is required. This course may be repeated for credit multiple times.

MUN1711  Jazz Combo

Fall, Spring, Summer  1.00 Credit - 3.00 Hours

This course is open to all students. Upon successful completion of this course, the student will be able to become more fluent in the various jazz vocabularies through theoretical practice, ear training and lab experience. Students will learn the standard jazz literature with its appropriate vocabulary. This course may be repeated for credit multiple times.

MUN1780  Community Jazz Ensemble

MUN2140  Wind Ensemble

Fall, Spring  1.00 Credit - 3.00 Hours

This course is open to all students and includes the study and performance of music for wind ensemble and band. This course may be repeated for credit multiple times.

MUN2420  Woodwind Ensemble

Fall  1.00 Credit - 3.00 Hours

This course is open to all students and includes the study and performance of music for small woodwind ensembles. This course may be repeated for credit multiple times.

MUN2430  Brass Ensemble

Fall  1.00 Credit - 3.00 Hours

This course is open to all students and includes the study and performance of music for small brass ensembles. No audition is required. This course may be repeated for credit multiple times.

MUN2440  Percussion Ensemble

Fall, Spring  1.00 Credit - 3.00 Hours

This course is open to all students and covers the study and performance of music for small ensembles. This course may be repeated for credit multiple times.
This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn cooperative education credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student’s academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student’s chosen major as identified in the student’s program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

MUT1122  Music Theory and Musicianship II

Offered as Needed  3.00 Credits - 5.00 Hours

This course is a continuation of MUT 1121 (Music Theory and Musicianship I). Studies in music theory,
both written and aural skills, including musical analysis, model composition, sight singing, ear training and improvisation. Prerequisites: MUT 1121 or MUT 1111 and MUT 1241.

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**MUT2126  Music Theory and Musicianship III**

Offered as Needed  3.00 Credits - 5.00 Hours

This course is a continuation of MUT 1122 (Music Theory and Musicianship II). Studies in music theory, both written and aural skills, including musical analysis, model composition, sight singing, ear training and improvisation. Prerequisites: MUT 1122 or MUT 1112 and MUT 1242.

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**MUT2127  Music Theory and Musicianship IV**

Offered as Needed  3.00 Credits - 5.00 Hours

This course is a continuation of MUT 2126 (Music Theory and Musicianship III). Studies in music theory, both written and aural skills, including musical analysis, musical composition, sight singing, ear training and improvisation. Prerequisites: MUT 2126 or MUT 2116 and MUT 2246.

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**MVK1111M  Class Piano I**

Fall  1.00 Credit - 2.00 Hours

This course is a study of piano for music majors. This course is taught in a classroom/piano laboratory environment.

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**MVK1111N  Class Piano I**

Summer  1.00 Credit - 2.00 Hours

Open to all students, this course is a study of piano for non-music majors. This course is taught in a classroom/piano laboratory environment.

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**MVK1112M  Class Piano II**

Spring  1.00 Credit - 2.00 Hours

This course is a continuation of Class Piano I for music majors. Prerequisite: MVK 1111M with a minimum grade of "C" or higher or permission of instructor.

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**MVK1112N  Class Piano II**

Spring  1.00 Credit - 2.00 Hours

Open to all students, this course is a continuation of Class Piano I for non-music majors. Preparation for Piano Proficiency Examination. Prerequisite: MVK 1111N with a minimum grade of "C" or higher or permission of instructor.

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**MVK2121M  Class Piano III**

Fall  1.00 Credit - 2.00 Hours

This course is a continuation of Class Piano II for music majors. Preparation for Piano Proficiency Examination. Prerequisite: MVK 1112M or MVK 1112N with a grade of "C" or higher.

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**MVK2122M  Class Piano IV**

Spring  1.00 Credit - 2.00 Hours

This course is a continuation of Class Piano III for music majors. Preparation for Piano Proficiency Examination. Prerequisite: MVK 2121M with a minimum grade of "C" or higher or permission of instructor.

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**MVS1116M  Guitar Class I**

Fall  1.00 Credit - 2.00 Hours

This course is open to all students and to all beginning students who wish to learn the fundamentals of guitar technique. The course will include material ranging from folk music to popular music.
Spring 1.00 Credit - 2.00 Hours

This course is open to all students and is a continuation of MVS 1116M. Prerequisite: MVS 1116M.

MVV1110 Voice Class I

Fall, Spring 1.00 Credit - 2.00 Hours

This course is open to all students and is the study of vocal techniques and vocal literature for music majors and non-music majors.

MVV1111 Voice Class II

Fall, Spring 1.00 Credit - 2.00 Hours

This course is open to all students and is a continuation of MVV 1110. Prerequisite: MVV 1110.

NSP2941 Cooperative Education Internship in Nursing

Fall, Spring, Summer 1.00 Credit - 1.00 Hour

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn cooperative education credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student’s academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student’s chosen major as identified in the student’s program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

NSP2942 Cooperative Education Internship in Nursing

Fall, Spring, Summer 2.00 Credits - 2.00 Hours

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn cooperative education credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student’s academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student’s chosen major as identified in the student’s program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

NUR1003L Nursing Skills

Fall 2.00 Credits - 6.00 Hours

The nursing skills laboratory course introduces basic nursing skills utilized and delegated by the nurse to implement the nursing process. This course complements the foundations of nursing course and provides students an opportunity to integrate evidence-based practice into the clinical skills laboratory. This course introduces the student learning outcomes of caring, clinical competence and decision-making, communication, commitment to professionalism and collaboration and management of care. Demonstrations of basic nursing skills, therapeutic use of medication, client responses to drug therapy and the nurse’s role in medication administration in a safe and supportive environment will be emphasized. Students must complete this course with a grade of "C" or higher. Lab fee required. Prerequisite: Admission to RN-AS Program. Corequisites: NUR 1022C and 1060C.
NUR1020C  Fundamentals of Nursing

Fall, Spring  7.00 Credits - 15.00 Hours

This course introduces the five core educational competencies of the curriculum upon which all subsequent nursing courses are built: (a) caring interventions, (b) clinical competence and decision-making, (c) communication, (d) commitment to professionalism and (e) collaboration and management of care. The student will be introduced to the legal, ethical and professional standards of the nursing profession and the role of the associate degree nurse in health promotion, maintenance and restoration. Basic biopsychosocial needs of clients are identified and the student will begin to utilize the nursing process to identify client needs and intervene when these needs are unmet. Clinical competence in selected fundamental nursing skills will be developed in the simulated nursing laboratory. Clinical experiences include long-term care and acute care facilities where students begin to apply concepts and competencies learned in the classroom and nursing laboratory. Students must complete this course with a grade of “C” or higher. Lab fee required. Prerequisite: Admission to ADN Program. Corequisites: NUR 1003L and NUR 1060C.

NUR1022C  Foundations of Nursing

Fall, Spring, Summer  5.00 Credits - 11.00 Hours

This course introduces the Student Learning Outcomes (5Cs) of the Nursing curriculum upon which all subsequent nursing courses are built. The student is introduced to the Student Learning Outcomes (5Cs): caring, communication, collaboration and management of care, commitment to professionalism and clinical competence and decision-making as they apply to the role of the nurse. The student will be introduced to the legal, ethical and professional standards of the nursing profession and the role of the associate degree nurse in health promotion, maintenance and restoration. Basic bio-psychosocial needs of clients are identified and the student will begin to utilize the nursing process to identify and intervene when these needs are unmet. The student will explore basic concepts regarding the therapeutic use of medications, patient response to drug therapy and the nurse’s role in medication administration as part of the health care team. Clinical competence in selected basic nursing skills will be developed in the nursing laboratory. Clinical experiences include long-term care and acute care facilities where students begin to apply concepts and competencies learned in the classroom and nursing laboratory. Students must complete this course with a grade of “C” or higher. Lab fee required. Prerequisites: Admission to RN-AS Program. Corequisites: NUR 1003C and NUR 1022C.

NUR1060C  Health Assessment

Fall, Spring, Summer  3.00 Credits - 4.50 Hours

This course introduces the student to important concepts related to assessment and maintenance of health in individuals. Content will cover basic assessment of patients across the lifespan, including patients with diverse backgrounds as well as geriatric populations. Students will perform assessments incorporating aspects of history-taking, risk potential, psychosocial development, physical examination techniques and deviations from normal assessment findings. This course will emphasize the core educational competencies of the curriculum: caring, clinical competence and decision-making, communication, commitment to professionalism and collaboration and management of care. A strong laboratory focus is provided to enable the student/learner to demonstrate competence in nursing assessment skills. Students must complete this course with a grade of “C” or higher. Prerequisite: Admission to RN-AS Program. Corequisites: NUR 1003C and NUR 1022C.

NUR1141C  Fundamentals of Pharmacology for Nursing Care

Fall, Spring  2.00 Credits - 3.00 Hours

This course is designed to complement the basic nursing care curriculum presented in NUR 1020C Fundamentals of Nursing and includes the five core educational competencies of the curriculum: (a) caring interventions, (b) clinical competence and decision-making, (c) communication, (d) commitment to professionalism and (e) collaboration and management of care. The student will explore basic concepts regarding the therapeutic use of medications, patient response to drug therapy and the nurse’s role in medication administration as part of the health care team. Clinical competence in selected basic nursing skills will be developed in the nursing laboratory. Clinical experiences include long-term care and acute care facilities where students begin to apply concepts and competencies learned in the classroom and nursing laboratory. Students must complete this course with a grade of “C” or higher. Lab fee required. Prerequisite: Admission to RN-AS Program. Corequisites: NUR 1003L and NUR 1060C.
making, (c) communication, (d) commitment to professionalism and (e) collaboration and management of care. This course will provide the beginning nursing student the opportunity to explore basic concepts regarding the therapeutic use of medications and the patient response to drug therapy. The student will be introduced to the nurse’s role in medication administration as part of the healthcare team. Selected patient simulation scenarios designed specifically for the novice nursing student will challenge the participants to utilize critical thinking skills as they apply the nursing process to clinical case studies involving common medication and simple skills. Individual and group practice activities focusing on computation skills will assist the students achieve mastery of Level One Medication Administration Safety Competencies. Lab fee required. Prerequisite: Admission to the ADN program. Prerequisite or corequisite: NUR 1020C with a grade of "C" or higher.

NUR2241C Advanced Concepts in Medical Surgical Nursing

Fall, Spring 6.00 Credits - 12.00 Hours

This course prepares the student/learner to apply safe and effective care for clients with advanced medical and surgical problems. This course is designed to build on material from the previous medical surgical courses. Through the use of the nursing process, this course will build on the five Student Learning Outcomes of the curriculum: caring interventions, clinical competence and decision-making, communication, commitment to professionalism and collaboration and management of care. The student will prioritize the biopsychosocial needs of clients to promote optimal health and wellness. Lab simulation of selected clinical nursing skills will be used to facilitate meeting the needs of clients with advanced medical and surgical problems. During clinical, students will interact with culturally diverse clients. Clinical experiences in acute care settings and observational experiences in specialty settings may be scheduled to enhance the learning experience. Students must complete this course with a grade of "C" or higher. Lab fee required. Prerequisite: NUR 1210C with a grade of "C" or higher. Corequisite: NUR 2440C with a grade of "C" or higher.

NUR2244C Complex Concepts in Medical Surgical Nursing

Fall, Spring, Summer 4.00 Credits - 8.00 Hours

This course is designed to build on the five Student Learning Outcomes of the curriculum: (a) caring interventions, (b) clinical competence and decision-making, (c) communication, (d) commitment to professionalism and (e) collaboration and management of care. The nursing process will be a guide for the student to utilize decision-making skills to meet the biopsychosocial needs of clients with complex medical and surgical problems and multi-system dysfunction. Lab simulation of selected clinical nursing skills will be used to facilitate meeting the needs of the client with complex medical and surgical problems and multi-system dysfunction. During clinical experiences, students will interact with culturally
diverse clients. Clinical experiences in acute care settings and observational experiences in specialty settings may be scheduled to enhance learning experiences. Content will include concepts of critical care, emergency care and application of leadership and patient care management. Students must complete this course with a grade of "C" or higher. Prerequisite: NUR 2241C with a grade of "C" or higher.

NUR2251 Complex Concepts in Medical Surgical Nursing

Spring, Summer 6.00 Credits - 12.00 Hours

This course is designed to build on the five core educational competencies of the curriculum: (a) caring interventions, (b) clinical competence and decision-making, (c) communication, (d) commitment to professionalism and (e) collaboration and management of care. The nursing process will be a guide for the student to utilize decision-making skills to meet the biopsychosocial needs of clients with complex medical and surgical problems and multi-system dysfunction. Lab simulation of selected clinical nursing skills will be used to facilitate meeting the needs of clients with complex medical and surgical problems and multi-system dysfunction. During clinical experiences, students will interact with culturally diverse clients. Clinical experiences in acute care settings and observational experiences in specialty settings may be scheduled to enhance the learning experiences. Content will include concepts of critical care, emergency care, disaster response and application of leadership and patient care management. Lab fee required. Prerequisite: NUR 2241C with a grade of "C" or higher.

NUR2251C Complex Concepts in Medical Surgical Nursing

Spring, Summer 6.00 Credits - 12.00 Hours

This course is designed to build on the five core educational competencies of the curriculum: (a) caring interventions, (b) clinical competence and decision-making, (c) communication, (d) commitment to professionalism and (e) collaboration and management of care. The nursing process will be a guide for the student to utilize decision-making skills to meet the biopsychosocial needs of clients with complex medical and surgical problems and multi-system dysfunction. Lab simulation of selected clinical nursing skills will be used to facilitate meeting the needs of clients with complex medical and surgical problems and multi-system dysfunction. During clinical experiences, students will interact with culturally diverse clients. Clinical experiences in acute care settings and observational experiences in specialty settings may be scheduled to enhance the learning experiences. Content will include concepts of critical care, emergency care, disaster response and application of leadership and patient care management. Lab fee required. Prerequisite: NUR 2241C with a grade of "C" or higher.

NUR2310C Concepts in Pediatric Nursing

Fall, Summer 4.00 Credits - 7.00 Hours

This course addresses the unique developmental, biological and psychosocial health and illness needs of the pediatric population. Emphasis is placed on exploring strategies that assist children and their caretakers to prevent and/or minimize the effects of illness and disability and promote, maintain and restore health. Concepts that will be emphasized throughout the curriculum reflect the core educational competencies of the curriculum: (a) caring interventions, (b) clinical competence and decision-making, (c) communication, (d) commitment to professionalism and (e) collaboration and management of care. The clinical component provides guided clinical experiences that allow students to demonstrate caring and clinical competence in the application of the nursing process in selected pediatric healthcare environments. Students interact with culturally diverse clients and families with an emphasis on the integration of critical thinking, effective interpersonal communication, professionalism and legal and ethical standards. The clinical simulation laboratory experience reinforces the concepts acquired during the theoretical portion of the class and allows for student collaboration and decision-making in a supported environment. Lab fee required. Prerequisite: NUR 1210C with a grade of "C" or
higher. Prerequisite or corequisite: NUR 2520C with a grade of "C" or higher if completed.

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<th>Hours</th>
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<td>NUR2423C</td>
<td>Concepts in Maternal and Newborn Nursing</td>
<td>Spring, Summer</td>
<td>4.00</td>
<td>7.00</td>
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<td>Concepts in Maternal and Newborn Nursing prepares the student to meet the biopsychosocial needs of the normal childbearing family utilizing the knowledge and skills obtained through the theory and clinical components of the course and through selected simulation exercises. Common alterations in the childbearing process will be discussed which will enable the student to recognize complications and implement appropriate interventions of a beginning level practitioner. The educational and anticipatory guidance needs of the childbearing family will be integrated throughout the theory and clinical components in the course to enable the family to maintain or restore a state of health and well-being. Core educational competencies emphasized throughout the course will be those of: (a) caring interventions, (b) clinical competence and decision-making, (c) communication, (d) commitment to professionalism and (e) collaboration and management of care. During clinical experiences, students will interact and care for culturally diverse clients and families. Lab fee required. Prerequisite: NUR 1210C with a grade of &quot;C&quot; or higher.</td>
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<td>NUR2440C</td>
<td>Concepts of Maternal/Child Nursing</td>
<td>Fall, Spring</td>
<td>6.00</td>
<td>11.00</td>
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<td>This course addresses the unique concepts in maternal-child nursing. This course will help prepare the student to meet the developmental, biological and psychosocial health and illness needs of the childbearing family. The educational and anticipatory guidance needs of the child-bearing family will be integrated throughout the theory and clinical components in the course to enable the family to maintain or restore an optimal state of health and well-being. The clinical component provides guided clinical experiences that allow students to demonstrate caring and clinical competencies in the application of the nursing process in selected obstetric and pediatric health care environments. Students interact with culturally diverse clients and families with emphasis on the integration of critical thinking, effective interpersonal communication, professionalism and legal and ethical standards. The clinical simulation laboratory experience reinforces the concepts acquired during the theoretical portion of the class and allows for student collaboration and decision-making in a supported environment. Concepts that will be emphasized throughout the curriculum reflect the Student Learning Outcomes: caring, clinical competence and decision-making, communication, commitment to professionalism and collaboration and management of care. Students must complete this course with a grade of &quot;C&quot; or higher. Corequisites: DEP 2004 and NUR 1210C with a grade of &quot;C&quot; or higher.</td>
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<tr>
<td>NUR2520C</td>
<td>Concepts in Mental Health Nursing</td>
<td>Fall, Spring</td>
<td>3.00</td>
<td>6.00</td>
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<td>This course focuses on the theory base necessary for understanding mental health and illness. Students utilize the nursing process in the care of patients experiencing interference in meeting basic needs due to neurobiological and psychosocial problems. This course continues to build on the five core educational competencies of the curriculum: (a) caring interventions, (b) clinical competence and decision-making, (c) communication, (d) commitment to professionalism and (e) collaboration and management of care. Emphasis is placed on developing therapeutic communication skills, self-awareness and effective nurse-patient relationships. Students collaborate with the healthcare team in a mental health clinical setting and begin to develop the core competencies necessary to achieve desired client outcomes. Psychopharmacology across the lifespan and concepts of medication management are integrated in each unit. Community experiences, selected video, role play and simulation activities are incorporated in this course. There are clinical experiences in acute care inpatient mental health facilities and selected community settings. Students must complete this course with a grade of &quot;C&quot; or higher. Lab fee required. Prerequisites: NUR 1022C</td>
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and NUR 1060C and NUR 1003C with a grade of “C” or higher. Corequisite: NUR 1210C.

NUR2931 Selected Studies in Nursing

1.00 Credit - 1.00 Hour

This course is for individuals who wish to explore topics not covered in the curriculum. The student must present a design of the study (learning contract) to the faculty member who is to direct the work. Approval from the dean or associate vice-president is required prior to registration.

NUR2932 Selected Studies in Nursing

Fall 2.00 Credits - 2.00 Hours

This course is scheduled for individuals who wish to explore topics not covered in the curriculum. The student must present a design of the study (learning contract) to the faculty member who is to direct the work. Approval from the dean or associate vice-president is required prior to registration.

NUR2933 Selected Studies in Nursing

Offered as Needed 3.00 Credits - 3.00 Hours

This course is for individuals who wish to explore or need remediation in curriculum topics. The student and faculty member will design a study contract based on the mutually agreed upon outcomes.

NUR2934 Selected Studies in Nursing

Fall, Spring, Summer 4.00 Credits - 4.00 Hours

In this course topics of current interest are presented in group instruction.

NUR2935 Selected Studies in Nursing

Fall, Spring, Summer 5.00 Credits - 5.00 Hours

In this course topics of current interest are presented in group instruction. The course may be taken three times for credit.

NUR2943C Practicum and Client Care Management

Fall, Summer 3.00 Credits - 8.20 Hours

This culminating course in the Associate Degree Nursing Program provides students the opportunity to (a) synthesize previous knowledge and skills and (b) develop new knowledge and skills for the management of client care in a dynamically changing healthcare system. Students participate in live and online seminars to develop and enhance the five Student Learning Outcomes of the nursing program: (a) caring interventions, (b) clinical competence and decision-making, (c) communication, (d) commitment to professionalism and (e) collaboration and management of care as they learn to make the transition from student to graduate nurse. In addition, selected leadership and management principles including (a) prioritizing competently, (b) delegating successfully and (c) managing conflict will be explored. These outcomes are applied in the clinical environment through a guided preceptorship that is directed by the nursing faculty. Students must complete this course with a grade of “C” or higher. Lab fee required. Prerequisite: NUR 2251C or NUR 2244C with a grade of “C” or higher.

NUR2949 Cooperative Education Internship in Nursing

Fall, Spring, Summer 3.00 Credits - 3.00 Hours

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn cooperative education credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student’s academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at
Seminole State College which includes course(s) specifically aligned with the student’s chosen major as identified in the student’s program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

OCB1000  Marine Science - Cambridge

Offered as Needed  3.00 Credits - 0.00 Hours

Credit for this course is awarded to entering students with appropriate scores on the Cambridge AICE examination in Marine Science (A-Level).

OCB1000C  Marine Science IB

Offered as Needed  3.00 Credits - 0.00 Hours

Credit for this course is granted to students scoring a 4 on the International Baccalaureate (IB) exam in Marine Science.

OCB1010C  Marine Science IB

Offered as Needed  3.00 Credits - 0.00 Hours

Credit for this course is granted to students scoring 5-7 on the International Baccalaureate (IB) exam in Marine Science.

OCE1001  Introduction to Oceanography

Fall, Spring, Summer  3.00 Credits - 3.00 Hours

This beginning course is designed to acquaint the student with the oceans, Earth’s most dominant feature, and their importance to all planetary systems. Focus will be on their physical, chemical, biological and geological characteristics. Emphasis is on Florida and its unique relationship with the ocean environment. Field trips may be included.

OCE1001CH Honors Introduction to Oceanography with Lab

Spring  4.00 Credits - 5.00 Hours

This honors level introductory course is designed to acquaint students with the oceans, Earth’s most dominant feature and their importance to all planetary systems. Focus will be on their physical, chemical, biological and geological characteristics. Emphasis is on Florida and its unique relationship with the ocean environment. Field trips may be included. Honors level content. Permission required from Honors director. Prerequisite: Acceptance into Honors program.

OST1100C  Keyboarding and Document Processing

Fall, Spring, Summer  3.00 Credits - 3.00 Hours

Students in this course will master the keyboard by touch. Business letters, reports, envelopes, labels and memos are taught using Microsoft Word. This course is for students with little or no keyboarding experience.

OST1108C  Advanced Keyboarding & Document Processing

Fall, Spring, Summer  3.00 Credits - 3.00 Hours

This course is a continuation of OST 1100C. This course is an individualized approach to increasing speed and accuracy using keyboarding skills for personal and professional use. Emphasis is placed upon developing correct keyboarding techniques. Exercises are interfaced with Microsoft Word to prepare the student for work in an office as well as for personal use. Business and personal letters, tables, resumes and reports are covered. Prerequisite: OST 1100C or department approval.
OST1141  Keyboarding
Fall, Spring, Summer  1.00 Credit - 1.00 Hour
This course is designed for students who need keyboarding/typewriting skills for personal use. Students will learn to operate the computer keyboard by touch.

OST1355C  Records Management and Legal Implications
Fall, Spring, Summer  3.00 Credits - 3.00 Hours
This course is a study of the principles of effective management for paper-based, electronic and image records systems. Emphasis is placed on the systematic control of the life cycle of all records. Students will learn the basic legal background requirements for the release, retention and storing of records and laws regulating the management of such records. Principles of cost, efficiency and performance are covered as related to the management of all records. Students will also learn how to manage files on their electronic storage device. Career opportunities in records management are included.

OST2335C  Business Communication
Fall, Spring, Summer  3.00 Credits - 3.00 Hours
This course develops effective oral and written business communication skills to create successful human relations. Communication skills are taught in the four language areas: listening, reading, writing and speaking. Studies include grammar, proofreading, editing and business communication composition.

OST2402C  Administrative Office Procedures
Fall, Spring  3.00 Credits - 3.00 Hours
This course provides the student with the experience of performing tasks assigned to an administrative assistant in a business setting. As an administrative assistant, the student will assist with correspondence, meetings, client presentations, travel arrangements and office organization. The student will demonstrate skills in problem-solving, decision-making and critical thinking.

OST2501  Administrative Office Management
Fall, Spring  3.00 Credits - 3.00 Hours
This course is a study of the current management principles, concepts, organizational trends, technology and human relations as related to the responsibilities of the administrative office manager. Simulations, case studies and projects are used to develop decision-making and supervisory skills necessary for office organization and administration.

OST2713C  Microsoft Word I
Fall, Spring, Summer  3.00 Credits - 3.00 Hours
Basic keyboarding skills are required in this course. Students will learn to process, edit and format text and paragraphs, use headers, footers, sections, styles, templates and writing tools and print and manage files. In addition, students will learn to use advanced formatting features, graphics, mail merge and tables.

OST2717C  Microsoft Word II
Fall, Spring  3.00 Credits - 3.00 Hours
This course is a continuation of OST 2713C Microsoft Word I. Students will learn to create, edit and format text and paragraphs, use footers, headers, sections, styles, templates, writing tools and print and manage files. In addition, students will learn to use advanced formatting to merge documents, create and format tables, work with graphics, format macros and work with shared documents. Prerequisite: OST 2713C.

OST2794  Internet Research for Business
Fall, Spring  3.00 Credits - 3.00 Hours
This business-oriented Internet research class provides research strategies and specific search tools to find
relevant and reliable information in the most effective and efficient manner from among the enormous amount of data that resides on the World Wide Web. The course addresses basic searches, selecting the right keywords, phrase searching, Boolean operators, filters, advanced search operators, evaluative criteria to determine the reliability of sites, meta-search engines, subject guides, specialty information and social media platforms. Hands-on activities allow students to utilize research strategies and search tools.

OST2821C  Microsoft Publisher

Spring  3.00 Credits - 3.00 Hours

This course is designed to teach the concepts, terminology and principles of digital publishing using Microsoft Publisher. Students will develop the skills necessary to create flyers, newsletters, brochures, information sets, business cards, business forms and tables and a website.

OST2826C  Microsoft PowerPoint

Fall, Spring, Summer  3.00 Credits - 3.00 Hours

Students will learn to plan, create, modify and deliver a presentation using Microsoft PowerPoint. Students will enhance presentations using animation, sound and graphics. They will prepare notes and handouts and save presentations in multiple formats.

OST2836C  Microsoft Access

Fall  3.00 Credits - 3.00 Hours

Students will learn a relational database management system to create and modify tables, queries, forms and reports. Additional topics will include subforms, crosstab queries, PivotTables, PivotCharts and dynamic Web pages. Students will also learn how to import and export data with other software programs. Emphasis is placed on the management of electronic files. Lab fee required.

OST2852C  Microsoft Excel

Fall, Spring, Summer  3.00 Credits - 3.00 Hours

The purpose of this course is to provide students hands-on training using Excel for business, professional and personal use. The student will gain an in-depth understanding of a spreadsheet program. The student will create, edit and format spreadsheets and graphs, work with formulas and functions, sort, filter and subtotal data lists and create and edit macros.

OST2930  Selected Studies in Office Administration

Offered as Needed  3.00 Credits - 3.00 Hours

In this course topics of current interest are presented in group instruction.

OST2941  Cooperative Education Internship in Office Systems

Fall, Spring, Summer  1.00 Credit - 1.00 Hour

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn cooperative education credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student’s academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student’s chosen major as identified in the student’s program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.
This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn cooperative education credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student’s academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student’s chosen major as identified in the student’s program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

OST2949  Cooperative Education Internship in Office Systems

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn cooperative education credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student’s academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student’s chosen major as identified in the student’s program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

PAX2000  Introduction to Peace Studies

This course will explore the dynamics from a variety of frames. The course will provide a cursory overview of various issues such as conflict, violence, war, non-violence and peace. The course is intended to engage students in the theory and application addressing conflict, violence, war and terrorism. Students will examine approaches to peace, alternatives to war and to peace-building through peace studies and non-violence movements. The course will adopt the frame that we must review actions of the past in order to prevent recurrences. The student will draw upon the ideology of individuals identified as great peacemakers. While exploring great peacemakers, a focus on personal non-violence, ethical approaches to war, conflict transformation or peace and movements for social change will be conducted. Students will investigate local and international conflict, social movements and non-violent approaches to peace. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisite: Eligibility to enroll in ENC 1101 OR test scores that indicate ENC 1101 eligibility OR completion of appropriate college developmental courses for ENC 1101 with grades of “C” or higher OR completion of EAP coursework for ENC 1101 eligibility with grades of “C” or higher.

PAZ1003H  Introduction to Zoo Science

This course examines the history and mission of zoos, their roles in conservation, zoo structure and governance and ecological history. Prerequisite: Acceptance into the Honors program or permission from instructor.

PAZ2943H  Cooperative Education Internship in Parks and Zoos

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may
PAZ2944H  Cooperative Education Internship in Parks and Zoos

Fall, Spring, Summer  2.00 Credits - 2.00 Hours

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn cooperative education credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based on the student’s academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student’s chosen major as identified in the student’s program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

PAZ2945H  Cooperative Education Internship in Parks and Zoos

Fall, Spring, Summer  3.00 Credits - 3.00 Hours

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn cooperative education credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based on the student’s academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student’s chosen major as identified in the student’s program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

PCB1050  Exploring your Genome

Fall  3.00 Credits - 3.00 Hours

This is a non-major, introductory course in studying the human genome. Since the sequencing of the human genome, the study of genomics has exploded and has uncovered exciting new discoveries and spawned new technological developments. Personal genomics is an emerging field and it will soon be affordable to obtain the sequence of an individual’s own genome. This course will discuss the field of genomics, how genome sequence data is obtained and analyzed and what can be learned from an individual’s genome. How does the analysis of one’s own genes affect health care, diet, exercise and other health decisions? The course will include related topics such as disease gene mapping, epigenetics and the microbiome. This course will reinforce basic concepts in molecular biology and genetics and promote genetic literacy. The course will be entirely web-based and all lectures will be delivered online. The reading assignments, course lecture materials and online activities will be posted each week.

PCO1202  Foundations of Counseling DSST Examination DANTES

Offered as Needed  3.00 Credits - 0.00 Hours

Credit for this course is granted to students with scores of 45 or higher on the DSST Examination (DANTES) in Fundamentals of Counseling.
PEL1121  Introduction to Golf
Fall, Spring  1.00 Credit - 2.00 Hours
This course is designed to develop skills and give practice in the basic fundamentals of golf, including application of basic skills, rules and etiquette.

PEL1211  Softball I
Fall  1.00 Credit - 2.00 Hours
This course provides specialized instruction with emphasis on fundamental skills, techniques, offensive and defensive strategy and understanding softball as a competitive sport.

PEL1216  Baseball I
Fall  1.00 Credit - 2.00 Hours
This course provides specialized instruction with emphasis given to fundamental skills, techniques, methods and understanding of baseball as a competitive sport.

PEL1621  Basketball I
Fall  1.00 Credit - 2.00 Hours
This course provides specialized instruction with emphasis given to fundamental skills, techniques, methods and understanding of basketball as a competitive sport.

PEL2212  Softball II
Spring  1.00 Credit - 2.00 Hours
This course provides specialized instruction in advanced skills, techniques and strategies used in competitive softball.

PEL2217  Baseball II

PEL2624  Basketball II
Fall  1.00 Credit - 2.00 Hours
This course provides specialized instruction in advanced skills, techniques and strategies used in competitive basketball.

PEL2905  Directed Studies in Physical Education
Offered as Needed  1.00 Credit - 3.00 Hours
This course is scheduled for individual students who wish to explore topics not covered in the curriculum. The student must present a design of study (learning contract) to the faculty member who is to direct the work. Approval from the dean is required prior to registration. This course may be taken up to four times for credit.

PEM1114  Spin Bike Fitness
Fall, Spring  1.00 Credit - 2.00 Hours
Students will participate in indoor cycling group workouts.

PEM1121  Yoga
Fall, Spring  1.00 Credit - 2.00 Hours
This course provides a study of basic yoga movements and positions which contribute to flexibility, strength and relaxation.

PEM1131  Weight Training
Fall, Spring  1.00 Credit - 2.00 Hours
This course is designed to introduce students to the basic fundamental and scientific principles of weight training and improve overall fitness levels and skills. Students will learn to lift weights independently while improving at their own pace in order to reach their fitness goals.

PEM1141 Aerobics
Fall, Spring 1.00 Credit - 2.00 Hours
This course provides a study of the use of aerobic dance movements and calisthenics to improve fitness.

PEM1144 Cardiovascular Training
Fall, Spring 1.00 Credit - 2.00 Hours
This course is designed to introduce students to the basic fundamental and scientific principles of cardiovascular training and improve overall fitness levels and skills.

PEM1177 Pilates
Fall, Spring 1.00 Credit - 2.00 Hours
This course provides a study of the use of pilates to improve fitness.

PEM1181 Walk-Jog-Run
Fall, Spring 1.00 Credit - 2.00 Hours
This course provides instruction in physical fitness that offers conditioning of the muscles of the cardiovascular system through walking, jogging and running.

PEM1405 Self Defense
Fall, Spring 1.00 Credit - 2.00 Hours
This course teaches the basic principles and application of self-defense. Topics include avoidance of conflict, disabling opponents, defending against multiple attackers and post-conflict procedures. Techniques explored include a variety of blocks, kicks, punches and grab releases.

PEM2101 Conditioning
Fall, Spring 1.00 Credit - 2.00 Hours
This course includes conditioning activities such as weight training, calisthenics and circuit training. May be taken four times for credit.

PEO1003 Sports Officiating
Fall, Spring 1.00 Credit - 2.00 Hours
This course provides an overview of sports officiating. Principles, practices, responsibilities, techniques, methods and employment in sports officiating will be presented. Students will be required to observe sports officiating.

PET2081 Wellness, Children and Schools
Fall, Spring, Summer 1.00 Credit - 1.00 Hour
This course offers an exploration and promotion by educators of wellness for children and schools including methods for integrating wellness knowledge in educational settings. Prerequisite: ENC 1101 or a non-degree plan of TEACH.

PET3551 Introduction to Exercise Science and Personal Training
Fall, Spring, Summer 3.00 Credits - 4.00 Hours
This course focuses on the issues in exercise and fitness that each major age group encounters in society today. Students learn the unique challenges that senior adults, middle-aged and younger adults and children and adolescents are confronted with, as well as the sociological, psychological and economic factors that can impact favorable outcomes. Motivational strategies, techniques and plans for designing age-appropriate exercise and fitness
programs will be discussed and practiced and current research in models of exercise and fitness programs in community and corporate-based settings will be studied and evaluated for effectiveness. This course will provide an anatomical foundation for the understanding and analysis of human movement.

PET4093  Advanced Personal Training
Fall, Spring, Summer  3.00 Credits - 4.00 Hours

This course will develop advanced strategies for independent fitness goals designed for lifetime health. Topics will include athletic performance development through a combination of skill, strength and balance training and understanding strategies for analyzing and improving athletic performance. This course will have an emphasis on sport-specific conditioning.

PGY2127L  Photography Lab I
Fall  1.00 Credit - 2.00 Hours

This course is an open lab designed for experienced students who have basic photography and darkroom skills. A final portfolio is required for completion of the course. Lab fee required. Prerequisites: PGY 2404C with a minimum grade of “C” or higher and permission of dean.

PGY2401C  Photography I
Fall, Spring, Summer  3.00 Credits - 5.00 Hours

Open to all students, this course is an introduction to the fundamentals of photography and includes camera operation, pictorial composition, exposure, developing and printing as a means of personal photographic expression. A manual 35 mm, single-lens reflex camera is required, as is the purchase of expendable materials. This course is for art majors and non-art majors. Lab fee required.

PGY2404C  Photography II

Spring  3.00 Credits - 5.00 Hours

Open to all students, this course focuses on the application and refinement of skills acquired in Photography I with special emphasis on the mastery of particular problems. A manual 35 mm, single-lens reflex camera is required, as is the purchase of expendable materials. This course is for art majors and non-art majors. Additional lab hours and a lab fee are required. Prerequisite: PGY 2401C.

PGY2405C  Advanced Photography
Fall, Spring  3.00 Credits - 5.00 Hours

This is an advanced course of photographic study utilizing individualized projects and critiques that stress both technical and aesthetic aspects of the photographic image as a medium of creative expression. A manual 35 mm, single-lens reflex camera is required, as is the purchase of expendable materials. Digital photography is included. Additional lab hours and a lab fee is required. Prerequisites: PGY 2401C with a minimum grade of “C” or higher and permission of dean.

PGY2801C  Digital Photography
Fall, Spring  3.00 Credits - 5.00 Hours

This course is an introduction to the exciting world of digital imaging. Students will be provided with a start-to-finish understanding of successful image-making by offering hands-on projects, demonstrations and discussions aimed at boosting creative expression and productivity in a challenging, yet fun, environment. Students will learn how to use their digital camera as an effective tool for visual communication as well as how to work efficiently in Photoshop, how to combine images and add text and finally, how to optimize their creations for final output. Students will produce at least three portfolio pieces. Lab fee required.

PGY2802C  Digital Photography II
Fall, Spring  3.00 Credits - 5.00 Hours
This course allows students to continue the exploration of digital photography as a fine art medium through the use of the computer as darkroom. Includes advanced digital imaging techniques in scanning, color correction, retouching, composition and content. Students will learn to integrate traditional and alternative methods of photography with techniques in digital imagery. Students must have a digital camera with aperture and shutter speed controls. Lab fee required. Prerequisite: PGY 2801C.

**PHI1011  Philosophy IB**

**Offered as Needed  3.00 Credits - 0.00 Hours**

Credit for this course is awarded to entering students with appropriate scores on the International Baccalaureate (IB) examination in Philosophy.

**PHI1630  Contemporary Ethical Problems**

**Fall, Spring  3.00 Credits - 3.00 Hours**

Discussions of the moral problems of contemporary society such as abortion, the sexual revolution, war, violence, aging, civil disobedience, modern medical practices and other issues take place in this course. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisite or corequisite: ENC 1101.

**PHI2010  Introduction to Philosophy I**

**Fall, Spring, Summer  3.00 Credits - 3.00 Hours**

This course covers the study of fundamental philosophical problems and concepts. Speculation about limits of human understanding, value judgments, foundations of morality and speculation about the existence of God will be covered in order to present students with the tools for constructing their own philosophy. Honors level content. Permission required from Honors director. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. This class satisfies the General Education State Core Humanities requirement for AA degree seeking students. Prerequisite: Acceptance into Honors program. Corequisite: ENC 1101.

**PHI2010H  Honors Intro to Philosophy I**

**Fall, Spring, Summer  3.00 Credits - 3.00 Hours**

The course covers the study of fundamental philosophical problems and concepts. Speculation about limits of human understanding, value judgments, foundations of morality and speculation about the existence of God will be covered in order to present students with the tools for constructing their own philosophy. Honors level content. Permission required from Honors director. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. This class satisfies the General Education State Core Humanities requirement for AA degree seeking students. Prerequisite: Acceptance into Honors program. Corequisite: ENC 1101.

**PHI2011  Introduction to Philosophy II**

**Offered as Needed  3.00 Credits - 3.00 Hours**

This course provides a greater depth of study of the fundamental philosophical problems and concepts, speculation about the existence of God, the relevancy of morals today and the limits of human understanding. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisite or corequisite: PHI 2010.

**PHT1000C  Introduction to Physical Therapy**

**Fall  2.00 Credits - 3.00 Hours**

This course introduces the new physical therapist assistant (PTA) student to the physical therapy profession, its professional organizations and the ever-changing world of healthcare. Special emphasis is placed on becoming a healthcare professional and understanding all behaviors and responsibilities which by law, ethical standards and professional standards of conduct are appropriate for a physical therapist assistant. Additional focus is placed upon understanding the role of the PTA in the healthcare system with regard to the role of team members, legal/ethical issues, medical terminology, documentation, stress management, patient safety and privacy, practice parameters and communication.
skills. The course format is lecture and discussion, with the inclusion of lab activities. Learning in this course is evaluated via assignments, projects, quizzes and examinations. Lab fee required. Corequisites: BSC 2093C, PHT 1120, PHT 1120L, PHT 1200, PHT 1200L.

PHT1120  Functional Kinesiology

Fall 3.00 Credits - 3.00 Hours

This course is a comprehensive examination of the structure and function of the musculoskeletal system. The concepts of active and passive insufficiency are introduced and their application to human movement made relevant. Special emphasis is placed upon the observation and analysis of human movement. The course format is mainly lecture and discussion. Learning in this course is evaluated via quizzes and cumulative examinations. Corequisites: PHT 1000 and PHT 1120L and PHT 1200 and PHT 1200L.

PHT1120L  Functional Kinesiology Lab

Fall 2.00 Credits - 6.00 Hours

This course is a lab companion to PHT 1120 and provides laboratory practice for those skills requiring hands-on experience. Emphasis is placed upon palpation, goniometric measurements, manual muscle testing and the analysis of human movement. The course format is mainly demonstration and practice of psychomotor skills in the lab environment with the use of patient simulators. Learning in this course is evaluated via competency-based skill checks and/or practical exams. Lab fee required. Corequisites: PHT 1000 and PHT 1120 and PHT 1120L and PHT 1200.

PHT1200  Basic Patient Care

Fall 2.00 Credits - 2.00 Hours

This course emphasizes the essential patient care skills necessary for clinical practice. Students will learn the basics of assessment of medical status through vital signs, performance of safe patient mobility, infection control, prevention of pressure injury, body mechanics, wheelchair fitting and mobility, gait training and associated assistive devices, as well as use of modalities such as compression, thermal and cryotherapy. The course format is mainly lecture and discussion. Learning in this course is evaluated via quizzes and cumulative examinations. Corequisites: PHT 1000 and PHT 1200L and PHT 1120.

PHT1200L  Basic Patient Care Laboratory

Fall 2.00 Credits - 6.00 Hours

This course is the lab companion to PHT 1200 and provides laboratory practice for those skills requiring hands-on experience. Students will perform assessment of medical status through vital signs, performance of safe patient mobility, infection control, prevention of pressure injury, wheelchair fitting and mobility, gait training with the appropriate associated assistive devices, as well as use of modalities such as compression, thermal and cryotherapy. The course format is mainly demonstration and practice of psychomotor skills in the lab environment with the use of patient simulators. Learning in this course is evaluated via competency-based skill checks and oral/practical exams. Lab fee required. Corequisites: PHT 1000 and PHT 1120 and PHT 1120L and PHT 1200.

PHT1213  Physical Therapy Principles and Procedures

Spring 3.00 Credits - 3.00 Hours

This course emphasizes various physical therapy modalities used to treat pain, edema, weakness, wounds and spasm. Modalities presented include ultrasound, electrical stimulation, soft tissue mobilization, compression wrapping, laser, traction and hydrotherapy. The course format is mainly lecture and discussion. Learning in the this course is evaluated via assignments, quizzes and cumulative examinations. Prerequisites: BSC 2094C, PHT 1000, PHT 1120, PHT 1120L, PHT 1200, PHT 1200L. Corequisites: PHT 1213L, PHT 2224, PHT 2224L.

PHT1213L  Physical Therapy Principles and Procedures Laboratory
Spring 2.00 Credits - 6.00 Hours

This course is the lab companion to PHT 1213 and provides laboratory practice for those skills requiring hands-on experience. Emphasis is placed on safe use of modality equipment as well as monitoring and documenting patient simulator responses to the treatments conducted. The course format is mainly demonstration and practice of psychomotor skills in the lab environment with the use of patient simulators. Learning in this course is evaluated via competency-based skill checks and oral/practical exams. Lab fee required. Prerequisites: PHT 1000 and PHT 1120 and PHT 1120L and PHT 1200 and PHT 1200L. Corequisites: PHT 1213 and PHT 2224 and PHT 2224L.

PHT1800L Physical Therapy Clinical Practice I

Summer 4.00 Credits - 16.00 Hours

This course is the first of three full-time clinical experiences designed to introduce students to the clinical setting. Students will treat patients under the guidance and supervision of a licensed physical therapist or physical therapist assistant. Learning in this course is primarily evaluated with the Clinical Performance Instrument. Lab fee required. Prerequisites: PHT 1213, PHT 1213L, PHT 2224 and PHT 2224L. Corequisite: PHT 1930C.

PHT1930C Pre-Clinical Practice I Integration

Summer 4.00 Credits - 10.00 Hours

This course integrates all prior PHT course content with an introduction to a broad spectrum of commonly seen medical and surgical conditions and their rehabilitation needs. Common data collection, patient/caregiver education and interventions are addressed. Also emphasized are precautions, contraindications and possible complications of various interventions. The course format is lecture, discussion and practice of psychomotor skills in the lab environment with the use of patient simulators. Learning in this course is evaluated via quizzes, cumulative examinations and competency-based oral/practical exams. Lab fee required. Prerequisites: PHT 1213, PHT 1213L, PHT 2224, PHT 2224L with a grade of "C" or higher. Corequisite: MAC 1105 or higher level MAC or MAP General Education course.

PHT2162 Neurological Disabilities and Treatments

Spring 4.00 Credits - 4.00 Hours

This course is a comprehensive examination of common adult and pediatric neurological disorders. Emphasis is placed upon the etiology, pathology, clinical presentation, medical testing, management, prognosis and rehabilitation of various disorders. The course format is mainly lecture and discussion. Learning in this course is evaluated via quizzes and cumulative examinations. Prerequisites: PHT 2310 and PHT 2810L and PHT 2228 and PHT 2228L with a grade of "C" or higher. Corequisites: PHT 2162L and PHT 2820L and PHT 2931.

PHT2162L Neurological Disabilities and Treatments Lab

Spring 2.00 Credits - 6.00 Hours

This course is the lab companion to PHT 2162 and provides laboratory practice for those skills requiring hands-on experience. Emphasis is placed upon students completing the appropriate data collection, neurorehabilitative techniques and patient/caregiver education required for the treatment of disorders discussed in the lecture portion of the course. Students will develop treatment plans based upon the physical therapist’s plan of care/goals, medical reports and the patient response. The course format is mainly demonstration and practice of psychomotor skills in the lab environment with the use of patient simulators. Learning in this course is evaluated via competency-based skill checks and oral/practical exams. Lab fee required. Prerequisites: PHT 2310 and PHT 2810L and PHT 2228 and PHT 2228L. Corequisites: PHT 2162 and PHT 2931 and PHT 2820L.

PHT2224 Therapeutic Exercise I

Spring 1.00 Credit - 1.00 Hour

Corequisite: MAC 1105 or higher level MAC or MAP General Education course.
This course emphasizes the basics of therapeutic exercise including passive, active-assistive, active, stretching and resistive exercises. It explores the variety of ways these exercises may be performed (manual vs. mechanical) and considerations leading to modification (stage of tissue state and recovery, subjective and objective findings). The course format is mainly lecture and discussion. Learning in this course is evaluated via quizzes and cumulative examinations. Prerequisites: PHT 1000 and PHT 1120 and PHT 1120L and PHT 1200 and PHT 1200L. Corequisites: PHT 1213 and PHT 1213L and PHT 2224L.

PHT2224L Therapeutic Exercise I Lab

Spring 2.00 Credits - 6.00 Hours

This course is the lab companion to PHT 2224 and provides laboratory practice for those skills requiring hands-on experience. Emphasis is placed upon passive, active-assistive, active, stretching and resistive exercises. The course format is mainly demonstration and practice of psychomotor skills in the lab environment with the use of patient simulators. Learning in this course is evaluated via competency-based skill checks and oral/practical exams. Lab fee required. Prerequisites: PHT 1000 and PHT 1120 and PHT 1120L and PHT 1200 and PHT 1200L. Corequisites: PHT 1213 and PHT 1213L and PHT 2224.

PHT2228 Therapeutic Exercise II

Summer 2.00 Credits - 2.00 Hours

This course builds on exercise concepts introduced in PHT 2224 and PHT 2224L and integrates knowledge of orthopedic and other system disorders presented in PHT 2310. The conservative and post-surgical rehabilitation including appropriate data collection, interventions and patient/caregiver education for the specific disorders is emphasized in this course. The course format is mainly lecture and discussion. Learning in this course is evaluated via quizzes and cumulative examinations. Prerequisites: PHT 1800L and PHT 1930C with a grade of “C” or higher. Corequisites: PHT 2228 and PHT 2810L.

PHT2228L Therapeutic Exercise II Laboratory

Fall 2.00 Credits - 6.00 Hours

This course is the lab companion to PHT 2228 and provides laboratory practice for those skills requiring hands-on experience. Emphasis is placed upon students completing the appropriate data collection, interventions and patient/caregiver education required for the treatment of disorders discussed in the lecture portion of this course. Students will develop treatment plans based upon the physical therapist’s plan of care/goals, medical reports and the patient response. The course format is mainly demonstration and practice of psychomotor skills in the lab environment with the use of patient simulators. Learning in this course is evaluated via competency-based skill checks and oral/practical exams. Lab fee required. Prerequisite: PHT 1800L with a grade of “C” or higher. Corequisites: PHT 2228 and PHT 2310 and PHT 2810L.

PHT2310 Orthopedic Disabilities and Treatment

Fall 3.00 Credits - 3.00 Hours

This course emphasizes the etiology, pathology, clinical presentation, prognosis and general medical management of a variety of musculoskeletal, cardiopulmonary, integumentary, metabolic and other system disorders most commonly seen in physical therapy practice. Medical management, including lab values, imaging, pharmacology and their significance and consideration in treatment is emphasized. The course format is mainly lecture and discussion. Learning in this course is evaluated via quizzes and cumulative examinations. Prerequisite: PHT 1800L with a grade of “C” or higher. Corequisites: PHT 2228 and PHT 2228L and PHT 2810L.

PHT2810L Physical Therapy Clinical Practice II

Fall 4.00 Credits - 16.00 Hours

This course is the second of three full-time clinical experiences designed to further develop students’ clinical skills. Students will treat patients under the guidance and supervision of a licensed physical
therapist or physical therapist assistant. Learning in this course is primarily evaluated with the Clinical Performance Instrument. Lab fee required. Prerequisite: PHT 1800L with a grade of “C” or higher. Corequisites: PHT 2228, PHT 2228L and PHT 2310.

PHT2820L  Physical Therapy Clinical Practice III
Spring  4.00 Credits - 16.00 Hours

This course is the last of three full-time clinical experiences designed to prepare students for entry-level clinical practice. Students will treat patients under the guidance and supervision of a licensed physical therapist or physical therapist assistant. Learning in this course is primarily evaluated with the Clinical Performance Instrument. Lab fee required. Prerequisites: PHT 2228, PHT 2228L, PHT 2310 and PHT 2810L with grades of “C” or higher. Corequisites: PHT 2162 and PHT 2162L.

PHT2901  Directed Studies in Physical Therapy
Fall, Spring, Summer  1.00 Credit - 1.00 Hour

This course is scheduled for the individual student who wishes to explore additional topics within the discipline.

PHT2902  Directed Studies in Physical Therapy
Fall, Spring, Summer  2.00 Credits - 2.00 Hours

This course is scheduled for the individual student who wishes to explore additional topics within the discipline.

PHT2903  Directed Studies in Physical Therapy
Fall, Spring, Summer  3.00 Credits - 3.00 Hours

This course is scheduled for the individual student who wishes to explore additional topics within the discipline.

PHT2904  Directed Studies in Physical Therapy
Fall, Spring, Summer  4.00 Credits - 4.00 Hours

This course is scheduled for the individual student who wishes to explore additional topics within the discipline.

PHT2931  Trends in Physical Therapy
Spring  2.00 Credits - 2.00 Hours

This course guides the physical therapist assistant student in the transition from student to licensed PTA. The course emphasizes Florida laws and administrative code regarding physical therapy. Students will also learn test-taking strategies for the national PTA licensing examination. The course also involves self-examination of behaviors, strengths, weaknesses and practice constraints in clinical settings within the scope of legal, ethical, professional and practice parameters that have been set for the profession of physical therapy. The course format is mainly lecture and discussion. Learning in this course is evaluated via online discussions, presentations, quizzes and cumulative examinations. Lab fee required. Prerequisites: PHT 2228, PHT 2228L, PHT 2310, PHT 2810L with a grade of ”C” or higher. Corequisites: PHT 2162L, PHT 2820L and any Psychology or Sociology General Education course.

PHY1001  Physics
Spring  3.00 Credits - 3.00 Hours

This course emphasizes the basic concepts and principles of physics and their practical applications. Designed specifically for students in non-engineering technical studies and for others wishing to strengthen their physics background before taking General Physics.

PHY1001L  Physics Laboratory
Spring  1.00 Credit - 3.00 Hours
This course is a laboratory sequence to PHY 1001. Experiments will be selected to illustrate and reinforce the physics concepts introduced in the physics class. Lab fee required.

**PHY1009  Introduction to Physics**

Offered as Needed  
3.00 Credits - 0.00 Hours

Three credits are awarded to entering students with an appropriate score on the International Baccalaureate (IB) examination in physics.

**PHY1020  Conceptual Physics**

Fall, Spring, Summer  
3.00 Credits - 3.00 Hours

This course is for non-science majors. Fundamental concepts of physics with application of everyday experiences are covered. Topics include kinematics, mechanics, electricity and magnetism and special topics. This course is designed to give the student a working knowledge of the physical factors in our environment. This class satisfies the General Education State Core Science requirement for AA degree seeking students.

**PHY1020L  Conceptual Physics Laboratory**

Spring  
1.00 Credit - 3.00 Hours

This course is a laboratory complement of PHY 1020. Experiments will be selected to illustrate and reinforce the physics concepts introduced in the Conceptual Physics class. Lab fee required. Corequisite: PHY 1020.

**PHY1053  General Physics I**

Offered as Needed  
3.00 Credits - 3.00 Hours

This course contains a descriptive and quantitative study of kinematics, mechanics, energy and applications of mechanics. This course meets the requirements for professional and technical students needing an algebra-based physics course. Lab fee required. This class satisfies the General Education State Core Science requirement for AA degree seeking students. Prerequisite: MTB 1329 with a grade of "C" or higher or pre/corequisite of MAC 1114 or higher level mathematics course with a grade of "C" or higher.

**PHY1053C  General Physics I**

Fall, Spring, Summer  
4.00 Credits - 6.00 Hours

This course contains a descriptive and quantitative study of kinematics, mechanics, energy and applications of mechanics. This course meets the requirements for professional and technical students needing an algebra-based physics course. Lab fee required. This class satisfies the General Education State Core Science requirement for AA degree seeking students. Prerequisite: MTB 1329 with a grade of "C" or higher or pre/corequisite of MAC 1114 or higher level mathematics course with a grade of "C" or higher.

**PHY1053L  General Physics Laboratory**

Fall  
1.00 Credit - 3.00 Hours

This course is the same laboratory as contained in PHY 1053C. Topics covered include mechanics, harmonic motion and sound. This course is intended for students who are currently taking an advanced placement physics lecture course and will take this course as dual enrollment. Prerequisite: MAT 1033 or higher level mathematics course.

**PHY1054C  General Physics II**

Fall, Spring, Summer  
4.00 Credits - 6.00 Hours

This course contains the descriptive and quantitative study of electricity, magnetism and applications of electromagnetism. This course meets the requirements for professional and technical students needing an algebra-based physics course. Lab fee required. Prerequisites: PHY 1053C with a grade of "C" or higher and MAT 1033 or higher level mathematics course.
### PHY1054L  General Physics Laboratory
**Spring** 1.00 Credit - 3.00 Hours

This course is the same laboratory as contained in PHY 1054C. Topics covered include electricity, magnetism, optics and heat. This course is intended for students who are currently taking an advanced placement physics lecture course and will take this course as dual enrollment. Prerequisite: MAT 1033 or higher level mathematics course.

### PHY2014  Physics for Teachers
**Summer** 3.00 Credits - 3.00 Hours

This course is for teachers of grades 6-12 science. It is a hands-on, lecture-laboratory course introducing a variety of physics concepts. Those concepts will vary to fit the needs of the teachers enrolled.

### PHY2048C  Physics with Calculus I
**Fall, Spring** 4.00 Credits - 7.00 Hours

This physics course is designed for science, engineering and mathematics majors. Topics studied are kinematics, mechanics and applications of mechanics. Lab fee required. This class satisfies the General Education State Core Science requirement for AA degree seeking students. Prerequisite: MAC 2311 or higher level mathematics course with a grade of “C” or higher or sufficient score on placement test.

### PHY2049C  Physics with Calculus II
**Fall, Spring** 4.00 Credits - 7.00 Hours

This physics course is designed for science, engineering and mathematics majors. Topics studied include electricity, magnetism and topics of electromagnetism. Lab fee required. Prerequisite: PHY 2048C with a grade of "C" or higher.

### PHY2049CH Honors Physics with Calculus II
**Fall, Spring** 4.00 Credits - 7.00 Hours

This honors physics course is designed for science, engineering and mathematics majors. Topics studied include electricity, magnetism and topics of electromagnetism. Lab fee required. Prerequisite: PHY 2048C with a grade of "C" or higher. Corequisite: IDH 2301.

### PHY2049L  Physics with Calculus Laboratory
**Spring** 1.00 Credit - 3.00 Hours

This course is the same laboratory as contained in PHY 2049C. Topics covered include electricity, magnetism, optics and heat. This course is intended for students who are currently taking an advanced placement physics with calculus lecture course and will take this course as dual enrollment. Prerequisite or corequisite: MAC 2311 or higher level mathematics course.
PHY2941  Cooperative Education Internship in Physics
Offered as Needed  1.00 Credit - 1.00 Hour

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn cooperative education credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student’s academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student’s chosen major as identified in the student’s program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

PHY2949  Cooperative Education Internship in Physics
Offered as Needed  3.00 Credits - 3.00 Hours

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn cooperative education credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student’s academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student’s chosen major as identified in the student’s program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

PLA1003  Fundamental Law
Fall, Spring, Summer  3.00 Credits - 3.00 Hours

This course will provide an understanding of the rationale of the laws that affect the student every day. This is a survey course in which the student will study a variety of substantive areas of the law and legal principles, utilizing critical thinking and examining challenging issues.

PLA1104  Legal Research and Writing I
Spring  3.00 Credits - 3.00 Hours

The student who successfully completes this course should have a knowledge of law sources and experience with their use. The student will learn the basics of legal research and perform research in the principle sources of law, including cases, statutes, constitutions, court rules and administrative regulations. The student will also accomplish research in secondary authorities, execute proper legal citations and participate in the high technology of legal research. Lab fee required. Prerequisites: ENC 1101 and PLA 1003 and BUL 2241 or PLA 2273 with a grade of "C" or higher.

PLA2114  Legal Research and Writing II
Fall  3.00 Credits - 3.00 Hours

This course provides students with the methods, techniques and procedures for the research and preparation of legal memoranda, trial and appellate briefs and other forms of legal documents. The student who successfully completes this course should have the ability to render argument in forceful, lucid prose and to understand the values of adversarial and objective writing. The student will understand the basics of the American legal system, appreciate that judicial decision-making is not always to be emulated and distinguish between legal traditions which are both valued links and hindrances to writing. Lab fee required. Prerequisite: PLA 1104.
PLA2203 Civil Litigation I

Fall 3.00 Credits - 3.00 Hours

This course is a study of the principles of litigation and the rules of procedure for federal and Florida courts, including pleadings and practice. The student who successfully completes this course will understand the organization and structure of the civil litigation system and appreciate the different judicial forums. The student will develop an understanding of the litigation process, its goals, the rules of procedure and the constitutional provisions which influence the litigation process. Lab fee required. Prerequisites: PLA 1104 and BUL 2241 or PLA 2273 and ENC 1101 and PLA 1003 with grades of “C” or higher.

PLA2222 Civil Discovery

Spring 3.00 Credits - 3.00 Hours

This course explores the rules and methods of discovery ranging from depositions to the evolving area of electronic discovery. The student who successfully completes this course will have the ability to obtain discovery that is relevant to the subject matter of a pending case. The course will provide the student with the ability to use the rules and methods of discovery to conduct the investigative stage of a case prior to trial. Techniques will be developed for obtaining discovery through written interrogatories, requests for production of documents or things, requests for admission, physical and mental examinations and depositions. Prerequisite: PLA 2303.

PLA2223 Civil Litigation Procedures II

Spring 3.00 Credits - 3.00 Hours

This course is a continuation of the study of the principles of litigation and the rules of procedure for federal and Florida courts, including pleadings, practice and discovery. The student who successfully completes this course will have hands-on experience in the gathering and preparation of evidentiary materials, drafting of legal documents and courtroom presentation and procedures. Students are divided into litigation teams and prepare for and participate in mock trial events. Lab fee required. Prerequisite: PLA 2203.

PLA2227 Trial Practice

Fall, Spring 3.00 Credits - 3.00 Hours

The course will require students to apply the rules of civil trial litigation as it is practiced in Florida with an emphasis on the practical aspects of litigation. Students will learn how to prepare for a trial and how to assist an attorney in handling a civil matter from initial interview through the trial. Class culminates with a staged trial.

PLA2273 Torts

Fall 3.00 Credits - 3.00 Hours

This course is a study of the various classifications and functions of tort law, including intentional and negligent torts, causation, proximate cause and defenses. The student who successfully completes this course will develop an understanding of the elements of tort causes of action and the legal defenses to such causes of action. The student will examine the practical aspects and issues involved in personal injury law, understand the asserting of legal claims, recognize appropriate remedies and draft related documents.

PLA2303 Criminal Litigation

Spring 3.00 Credits - 3.00 Hours

This course includes a study of the definition and classification of criminal offenses, the principles of criminal responsibility and the legal procedures in a criminal prosecution. The student who successfully completes this course will have an understanding of the elements of crimes, have performed hands-on research, have drafted documents and have participated in oral trial presentations regarding a hypothetical criminal case.
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester</th>
<th>Credits - Hours</th>
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<tbody>
<tr>
<td>PLA2413</td>
<td>Intellectual Property</td>
<td>Fall, Spring</td>
<td>3.00 Credits - 3.00 Hours</td>
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<td>Intellectual property, often known as IP, allows people to own their creativity and innovation in the same way that they can own physical property. The course is divided into the four areas of intellectual property law which include trademark, copyright, patent and trade secrets. For each area, the course will aim to cover the statutory bases, as well as discuss key doctrines and cases. Finally, the course will expose each student to the practical considerations faced by those working in related legal fields. The student will explain the filing process, filing systems, and the typical life cycle of a case for each area of intellectual property. Common litigation causes of action and remedies will also be discussed.</td>
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<tbody>
<tr>
<td>PLA2483</td>
<td>Administrative Law</td>
<td>Spring</td>
<td>3.00 Credits - 3.00 Hours</td>
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<td>This course defines administrative law, explains the creation and structure of federal and state administrative agencies, explores agency discretion, scrutinizes rules and regulations and studies investigations. The student who successfully completes this course will understand the representation of citizens at agency hearings and proceedings, be able to research agency statutory and case law, be able to communicate agency procedures to clients and be able to articulate the concept of judicial review as applicable to agency decisions. Prerequisite or corequisite: BUL 2241 or PLA 1003.</td>
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<tr>
<td>PLA2600</td>
<td>Wills, Trusts and Estate Administration</td>
<td>Summer</td>
<td>3.00 Credits - 3.00 Hours</td>
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<td>This course includes a detailed study of testacy and intestacy, preparation of wills and codicils, fundamentals of execution and probate administration. The student who successfully completes this course will understand and apply the legal requirements for the proper preparation, execution and probate of wills and trust instruments. Students will understand the types of estates under Florida Law/the Uniform Probate Code and how to complete the necessary forms to accomplish the probate goal of marshalling assets, identifying legal creditors and paying legal claims and distributing probate assets.</td>
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<th>Credits - Hours</th>
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<tbody>
<tr>
<td>PLA2610</td>
<td>Real Property</td>
<td>Fall</td>
<td>3.00 Credits - 3.00 Hours</td>
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<td>This course includes an overview of property law in general and Florida law in particular. Students who complete this course will understand the mechanics of various commercial and private property transactions and mortgage foreclosures. Students will appreciate the theories/concepts of legal descriptions, ownership, title searches, acquiring and transferring, appraising, financing, closing, leasing, condominiums and cooperatives, environmental law, taxation, ethics and drafting of appropriate legal documents.</td>
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<tbody>
<tr>
<td>PLA2612</td>
<td>Real Estate Law and Property Transactions II</td>
<td>Spring</td>
<td>3.00 Credits - 3.00 Hours</td>
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<td>This course is an advanced, comprehensive course in real estate law, property law and property transactions. “Traditional” learning is integrated with computerized data research and document preparation. Students will be prepared for working with law firms, real estate agencies, land title insurance companies, banks and other mortgage lending institutions. Students will be prepared to complete commercial and residential real estate transactions from contract of sale through document preparation, closing, recordings, disbursement of funds and follow-up. Prerequisite: PLA 2610.</td>
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<th>Credits - Hours</th>
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<tbody>
<tr>
<td>PLA2700</td>
<td>Professional Responsibility</td>
<td>Spring</td>
<td>3.00 Credits - 3.00 Hours</td>
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<td>This course will provide the student with an opportunity to examine and evaluate the ethical obligations and professional responsibilities of a legal assistant. The student who successfully completes this course will have a basic understanding of ethical legal</td>
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conduct, a thorough comprehension of the importance of ethics to the law, a solid understanding of the major issues in ethics and the rules governing those issues and the ability to apply that developing ethical sensitivity and knowledge to a variety of hypothetical and real-life situations.

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<th>Credits - Hours</th>
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<tbody>
<tr>
<td>PLA2730</td>
<td>Computer Assisted Legal Research</td>
<td>Summer</td>
<td>3.00 - 3.00</td>
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<td><strong>Summary</strong>: This course prepares students to conduct online research using a variety of full-service, low-cost and free modalities and databases including, but not limited to, Lexis, Westlaw, Bloomberg Law, LoisLaw, Fastcase, Versuslaw, Casemaker, Casetext, Ravel, Google and Bing. Students should develop competencies with respect to natural language and searches using terms and connectors. Students who successfully complete this course will be able to search effectively using key numbers and headnotes, Shepherds and Keycite and their various equivalents. Students will learn to narrow and focus searches using subject matter and procedural terms, specific dates and time-frames, courts, attorneys and parties. In addition, students will learn to perform non-legal research (using business and academic databases) to support legal claims, defenses and typical law office activities. With frequent guests from the local legal community, this entry-level class offers hands-on experience working through basic real-world legal research challenges. <strong>Prerequisite or Corequisite</strong>: PLA 1003</td>
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<tr>
<td>PLA2763</td>
<td>Law Office Management</td>
<td>Summer</td>
<td>3.00 - 3.00</td>
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<td><strong>Summary</strong>: This course will prepare the student for responsibilities associated with the management of a law office. The student will examine the structure of a law office, time and records management, billing methods, technology and computers, administrative procedures, client relations, office operating procedures and professionalism in the workplace. The student who successfully completes this course will understand the practical and ethical issues of law office organization and functions through the visitation to a law firm/agency, interviewing of employees and preparation of oral and written reports.</td>
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<tr>
<td>PLA2800</td>
<td>Family Law</td>
<td>Fall, Spring</td>
<td>3.00 - 3.00</td>
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<td><strong>Summary</strong>: This course includes an examination of general and Florida laws of marriage, divorce, annulment, separation, adoption, custody, legitimacy, support, guardianship and the juvenile. The student who successfully completes this course will have a basic knowledge of what family law is and the skills to use that knowledge to apply legal standards and draft documents used in the practice of family law.</td>
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<tr>
<td>PLA2841</td>
<td>Immigration Law</td>
<td>Fall, Spring, Summer</td>
<td>3.00 - 3.00</td>
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<td><strong>Summary</strong>: This course deals with the law of immigration within the United States. The course will focus on immigrants and the different categories of non-immigrants and the various laws that must be followed to visit the U.S. from abroad or gain permanent resident status. Immigration law is a form-based area of law. As such, we will identify and complete the various forms that are used in the immigration process. Students will identify the vocabulary often used in immigration cases, practice preparing various types of immigration forms and develop an understanding of how to deal with the immigration client.</td>
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<td>PLA2930</td>
<td>Selected Studies in Law</td>
<td>Spring, Summer</td>
<td>3.00 - 3.00</td>
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<td><strong>Summary</strong>: In this course topics of current interest and other areas of law are presented in group instruction. This course may be taken four times for credit.</td>
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<tr>
<td>PLA2935</td>
<td>Selected Studies in Law</td>
<td>Fall, Spring, Summer</td>
<td>1.00 - 1.00</td>
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<td><strong>Summary</strong>:</td>
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In this course topics of current interest and other areas of law are presented in group instruction. This course may be taken three times for credit.

PLA2939 Selected Studies in Law

Offered as Needed 3.00 Credits - 3.00 Hours

In this course topics of current interest and other areas of law are presented in group instruction. This course may be taken four times for credit.

PLA2941 Cooperative Education Internship in Legal Assisting

Fall, Spring, Summer 1.00 Credit - 1.00 Hour

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn cooperative education credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student’s academic program. Prerequisites: Student must have a degree plan of LEGAL-AS, must have successfully completed PLA 1104, PLA 2114 (PLA 2114 may be taken as a corequisite), PLA 2203 with grades of “C” or higher, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

PLA2942 Cooperative Education Internship in Legal Assisting

Fall, Spring, Summer 2.00 Credits - 2.00 Hours

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn cooperative education credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student’s academic program. Prerequisites: Student must have a degree plan of LEGAL-AS, must have successfully completed PLA 1104, PLA 2114 (PLA 2114 may be taken as a corequisite), PLA 2203 with grades of “C” or higher, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

PLA2944 Cooperative Education Internship in Legal Assisting

Fall, Spring, Summer 4.00 Credits - 4.00 Hours

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn cooperative education credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student’s academic program. Prerequisites: Student must have a degree plan of LEGAL-AS, must have successfully completed PLA 1104, PLA 2114 (PLA 2114 may be taken as a corequisite), PLA 2203 with grades of “C” or higher, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

PLA2949 Cooperative Education Internship in Legal Assisting

Fall, Spring, Summer 3.00 Credits - 3.00 Hours

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn cooperative education credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may
be repeated based upon the student’s academic program. Prerequisites: Student must have a degree plan of LEGAL-AS, must have successfully completed PLA 1104, PLA 2114 (PLA 2114 may be taken as a corequisite), PLA 2203 with grades of “C” or higher, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

**PLA2950 Certified Paralegal Exam Review**

**Fall, Spring, Summer** 3.00 Credits - 3.00 Hours

This course prepares students for the NALA Certified Paralegal examination by providing a comprehensive review of the material included on the exam, with emphasis on the areas currently tested. The course will include practice examinations designed to prepare students for the actual exam. The course is open to anyone preparing to take the Certified Paralegal Exam or interested in obtaining a general overview of various legal disciplines.

* **PMT0070C Welder Assistant 1**

**Fall, Spring, Summer** 5.00 Credits - 150.00 Hours

The Welder Assistant 1 course prepares students for entry into the welding industry. Students explore career opportunities and requirements of a professional welder. Content emphasizes beginning skills key to the success of working in the welding industry. Students study drawings and welding symbols, intermediate oxyfuel gas cutting practices, plasma arc cutting principles and basic Shielded Metal Arc Welding (SMAW). Lab fee required. Prerequisites: PMT 0070C.

* **PMT0072C Welder SMAW 1**

**Fall, Spring, Summer** 5.00 Credits - 150.00 Hours

The Welder SMAW 1 course prepares students for entry into the welding industry as a basic shielded metal arc welder. Students explore career opportunities and requirements of a professional welder. Content emphasizes beginning skills key to the success of working in the welding industry. Students study basic Shielded Metal Arc Welding (SMAW), Carbon Arc Gouging (GAC) principles and visual examination skills. Lab fee required. Prerequisites: PMT 0070C and PMT 0071C.

* **PMT0071C Welder Assistant 2**

**Fall, Spring, Summer** 5.00 Credits - 150.00 Hours

The Welder Assistant 2 course is designed to build on the skills and knowledge students learned in Welder SMAW 1 for entry into the welding industry as a basic shielded metal arc welder. Students explore career opportunities and requirements of a professional welder. Content emphasizes beginning skills key to the success of working in the welding industry. Students study employability and welding careers and intermediate Shielded Metal Arc Welding (SMAW). Lab fee required. Prerequisites: PMT 0070C, PMT 0071C and PMT 0072C.

* **PMT0073C Welder SMAW 2**

**Fall, Spring, Summer** 5.00 Credits - 150.00 Hours

The Welder SMAW 2 course is designed to build on the skills and knowledge students learned in Welder SMAW 1 for entry into the welding industry as a basic shielded metal arc welder. Students explore career opportunities and requirements of a professional welder. Content emphasizes beginning skills key to the success of working in the welding industry. Students study employability and welding careers and intermediate Shielded Metal Arc Welding (SMAW). Lab fee required. Prerequisites: PMT 0070C, PMT 0071C and PMT 0072C.

* **PMT0074C Welder**

**Fall, Spring, Summer** 15.00 Credits - 450.00 Hours

The Welder course builds on the skills and knowledge students learned in the Welder Assistant and Welder SMAW courses. Students explore career opportunities and requirements of a professional welder. Content emphasizes skills key to the success of working in the welding industry. Students study basic and
intermediate Gas Metal Arc Welding (GMAW), basic and intermediate Flux-Core Arc Welding (FCAW), basic and intermediate Gas Tungsten Arc Welding (GTAW) and a basic understanding of pipe welding. Lab fee required. Prerequisites: PMT 0070C, PMT 0071C, PMT 0072C and PMT 0073C.

* PMT0102C Applied Welding I

Fall, Spring, Summer       6.66 Credits - 200.00 Hours

This course encompasses classroom/lab study of the basic concepts of welding. Areas of study include basic shop skills, safety, basic oxyfuel gas cutting skills, plasma-arc cutting and air carbon arc cutting skills. Students will gain knowledge in cleaning and preparing base metals, the details of weld quality and many different types of welding techniques and equipment used in each.

* PMT0122C Applied Welding II

Fall, Spring, Summer       6.66 Credits - 200.00 Hours

This course encompasses classroom/lab study of intermediate Shielded Metal Arc Welding (SMAW) skills. Areas of study include visual examination skills and drawing/welding symbol interpretation skills. Students will gain knowledge in language arts knowledge skills, critical thinking skills and health, safety and environmental management systems. Lab fee required. Prerequisite: PMT 0102C.

* PMT0131C Applied Welding V

Offered as Needed         6.66 Credits - 200.00 Hours

This course encompasses classroom/lab study of basic and intermediate Gas Tungsten Arc Welding (GTAW) skills. Areas of study include external inspections of GTAW equipment and plain carbon steel, aluminum and stainless steel GTAW operations. Students will also gain knowledge in plain carbon steel groove welds. Lab fee required. Prerequisite: PMT 0141C.

* PMT0134C Applied Welding III

Offered as Needed         6.66 Credits - 200.00 Hours

This course encompasses classroom/lab study of basic and intermediate Gas Metal Arc Welding (GMAW) skills. Areas of study include setting up and operating GMAW equipment for both aluminum and stainless steel. Students will gain knowledge in information technology, money management, professional ethics and legal responsibilities. Lab fee required. Prerequisite: PMT 0122C.

* PMT0141C Applied Welding IV

Offered as Needed         6.66 Credits - 200.00 Hours

This course encompasses classroom/lab study of Flux Cored Arc Welding (FCAW) skills. Areas of study include setting up for plain carbon steel FCAW operations and operating FCAW equipment. Students will also gain knowledge in leadership and teamwork skills, employability and entrepreneurship skills. Lab fee required. Prerequisite: PMT 0134C.

* PMT0161C Applied Welding VI

Offered as Needed         5.66 Credits - 170.00 Hours

This course encompasses classroom/lab study of the fabrication and welding of pipe joints. Areas of study include cutting and preparing Schedule 40 or 80 pipe using current AWS Specifications. Students will also gain knowledge in fabricating and repairing both ferrous and non-ferrous metals. Lab fee required. Prerequisite: PMT 0131C.

POS2041 United States Federal Government

Fall, Spring, Summer       3.00 Credits - 3.00 Hours

In this course basic aspects of the federal government are studied. Emphasis is placed upon content and interpretation of the Constitution, Federalism, the Congress, the Presidency, the federal court system and the citizen's connection to the federal government by means of elections, political parties, interest groups.
and public opinion. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. This class satisfies the General Education State Core Social Science/History requirement for AA degree seeking students. Prerequisite: Eligibility to enroll in ENC 1101 OR test scores that indicate ENC 1101 eligibility OR completion of appropriate college developmental courses for ENC 1101 with grades of “C” or higher OR completion of EAP coursework for ENC 1101 eligibility with grades of “C” or higher.

POS2112  State and Local Government

Fall, Spring, Summer 3.00 Credits - 3.00 Hours

In this course functions of state, county and city governments are studied. Emphasis is placed upon constitutions, political parties, politics, legislatures, courts, chief executives and interrelationships between federal and state governments and metropolitan problems. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisite: Eligibility to enroll in ENC 1101 OR test scores that indicate ENC 1101 eligibility OR completion of appropriate college developmental courses for ENC 1101 with grades of “C” or higher OR completion of EAP coursework for ENC 1101 eligibility with grades of “C” or higher.

POS2949  Cooperative Education Internship in Government

Offered as Needed 3.00 Credits - 3.00 Hours

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn cooperative education credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student’s academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student’s chosen major as identified in the student’s program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement, permission from the Career Development Center and ENC 1101. Corequisite: ENC 1101.

POT2002H  Honors - Political Theory

Spring 3.00 Credits - 3.00 Hours

The basic principles of political thought are studied in this course. Students will examine the state and the relationship between the individual and the state. Topics such as authority, consent, freedom and obligation are examined. Honors level content. Permission required from Honors director. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisites: Acceptance into Honors program. Eligibility to enroll in ENC 1101 OR test scores that indicate ENC 1101 eligibility OR completion of appropriate college developmental courses for ENC 1101 with grades of “C” or higher OR completion of EAP coursework for ENC 1101 eligibility with grades of “C” or higher.

POT2301  Political Ideology - Introduction

Fall 3.00 Credits - 3.00 Hours

This course includes a comparative survey of the social, political, economic and historical tenets and developments of contemporary political ideologies. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisite: Eligibility to enroll in ENC 1101 OR test scores that indicate ENC 1101 eligibility OR completion of appropriate college developmental courses for ENC 1101 with grades of “C” or higher OR completion of EAP coursework for ENC 1101 eligibility with grades of “C” or higher.

POT2950  Travel/Study in Political History and Thought

Offered as Needed 3.00 Credits - 3.00 Hours

This travel/study course combines preparation on campus, foreign travel and study abroad in the
discipline of political history and/or thought. Variable content depending on the program in which the student enrolls and the specific topics to be covered. Permission of instructor or dean is required. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisite: ENC 1101 with a grade of "C" or higher or corequisite ENC 1101.

**PPE2001  Psychology - Introduction to Personality**

**Fall, Spring**  3.00 Credits - 3.00 Hours

This course explores the major theoretical perspectives to personality theory, including psychodynamic, trait, biological, humanistic, behavioral and cognitive systems. The course will also evaluate practical applications for the areas of counseling, business, education, vocational skills and personal growth. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisite: PSY 2012.

* **PRN0004  Fundamentals of Nursing**

**Spring**  13.50 Credits - 405.00 Hours

This course provides the beginning nursing basic core upon which all subsequent nursing courses are built. The history of nursing serves as an introduction to the role and scope of the practical nurse in the healthcare system and ends with introduction to medical/surgical nursing. This course concerns man as a holistic being with basic human needs. Discussion focuses on nursing principles which identifies the needs of individuals within a family and community environment. The relationship of man, nursing, environment and healthcare are discussed using Maslow's hierarchy of needs and nursing principles as a framework. Included are scientific principles of nursing care common to all clients. The curriculum threads of ethical and legal aspects of nursing, cultural diversity, growth and development, interpersonal/communication skills, nutrition and diet therapy, critical thinking and professional adjustments will be discussed as they relate to nursing care of the adult client's basic needs. Additionally, this course provides the essential information and basic concepts related to the administration of medications including the systems of measurement used in healthcare settings and to provide practice in the type of dosage calculations performed by nurses. Nursing skills designed to simulate the nurse/client interaction are demonstrated in the campus laboratory with practice and testing by students in the lab setting. Lab fee required. Prerequisites: HSC 1531 and HSC 1000 and BSC 1084 or HIM 1453 or BSC 2093C and BSC 2094C with grades of "C" or higher.

* **PRN0120C  Maternal - Child Nursing**

**Fall**  3.56 Credits - 107.00 Hours

This course is designed to build on previous learning by integrating basic human needs and nursing principles into the care of the family. Utilizing nursing principles as a framework, the student will be able to focus on the needs of the childbearing family and children, newborns to adolescents. Concepts of alterations related to maternal child and child health nursing will be presented. An emphasis on growth and development of the newborn through the adolescent will be an integral part of the child health portion of the course. In addition, information regarding medication administration/pharmacology, health assessments, cultural diversity, interpersonal skills/communication skills, nutrition and diet therapy, legal/ethical issues and health teaching will be utilized as a framework to integrate holistic care for the family. Lab fee required. Prerequisite or corequisite: PRN 0386C with a minimum grade of "C" or higher.

* **PRN0385C  Medical/Surgical Nursing I**

**Summer**  13.50 Credits - 405.00 Hours

This course is a continuation of Fundamentals of Nursing and continues to build on concepts introduced in all previous required courses. The role of the practical nurse in the healthcare environment is explored. Using nursing principles and basic human needs as a framework, particular emphasis is placed on application of adult developmental theory, cultural diversity, therapeutic communication and legal/ethical approaches to helping man return to health after experiencing common, acute and chronic alterations in thought processes, circulation, oxygenation, nutrition,
elimination, sexuality, endocrine function, mobility and sensory perception. Concepts of nutrition and diet therapy, medication administration/pharmacology and assisting the registered nurse with health teaching are integrated throughout the course. The clinical component, done in acute care, subacute and a variety of community settings (observation only) offers the student an opportunity to provide holistic nursing care to clients experiencing selected alterations in health. Clinical experience is correlated with theory under the guidance of faculty and enables students to implement skills and apply theory learned in the classroom. Lab fee required. Prerequisite: PRN 0004 with a grade of "C" or higher.

* PRN0386C Medical/Surgical Nursing II

Fall 6.43 Credits - 193.00 Hours

This course continues to build on concepts introduced in all previous required courses. The role of the Practical Nurse in the care environment is explored. Using nursing principles and basic human needs as a framework, particular emphasis is placed on application of adult developmental theory, cultural diversity, therapeutic communication and legal/ethical approaches to helping man return to health after experiencing common alterations in health relating to sexuality, sensory perception and sensation health problems. Concepts of nutrition and diet therapy, medication administration/pharmacology and assisting the RN with health teaching are integrated throughout the course. The clinical component, done in acute care, subacute and a variety of community (observation only) settings offers the student an opportunity to provide holistic nursing care to clients experiencing selected alterations in health. Clinical experience is correlated with theory under the guidance of faculty and enables students to implement skills and apply theory learned in the classroom. Lab fee required. Prerequisite: PRN 0385C with a minimum grade of "C" or higher and minimum TABE scores of Math - 595; Reading - 598; Language - 586. Corequisite: PRN 0120C.

* PRN0500C Gerontology Nursing

Fall 3.50 Credits - 105.00 Hours

This course builds on concepts introduced in the Medical Surgical nursing course incorporating gerontology nursing and the practical nurse leadership role with the scope of practice. Using nursing principles and basic human needs as a framework, emphasis is placed on cultural diversity, legal/ethical issues, adult development theory, therapeutic communication and interpersonal skills. Integrated in this discussion will be principles of nutrition therapy, pharmacology/medication administration and diagnostic testing. Emphasis will be placed on the principles of nursing care for the aging client, the aging process and holistic care for the older adult. Leadership skills such as delegating to the healthcare team members, effective communication with healthcare professionals and time management will be explored. Assisting the practical nursing student to prepare for employment and transition from student to practitioner will be incorporated as the final step in the student’s practical nursing education. Lab fee required. Prerequisites or corequisites: PRN 0120C and PRN 0386C with a grade of "C" or higher.

* PRN0931 Selected Studies in Nursing

Fall, Spring, Summer 0.50 Credits - 15.00 Hours

In this course topics of current interest are presented in group instruction.

PSC1341 Principles of Physical Science I - DSST

Offered as Needed 3.00 Credits - 0.00 Hours

Credit for this course is awarded to entering students with appropriate scores on the DSST (DANTES) examination in Principles of Physical Science I.

PSC2521 Sustainability: Concepts and Issues

Fall, Spring 3.00 Credits - 3.00 Hours
This course is an overview of local, regional and global sustainability with the goal of helping students recognize and engage with the interplay between environmental, socio-cultural and economic forces that affect our ability to achieve sustainability. Topics will include the science of climate change, pollution, environmental ethics and politics, renewable energy and sustainability in the built environment.

**PSY2012  General Psychology**

**Fall, Spring, Summer 3.00 Credits - 3.00 Hours**

This is an introductory course which surveys the field of psychology and basic principles and concepts utilized to understand human behavior. The major areas of study include development, learning, perception, motivation, emotions, personality, abnormal behavior, psychotherapy and testing measurements. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Some sections of PSY 2012 have service-learning components. Please refer to class notes in schedule of classes for details. This class satisfies the General Education State Core Social Science/History requirement for AA degree seeking students. Prerequisite: Eligibility to enroll in ENC 1101 OR test scores that indicate ENC 1101 eligibility OR completion of appropriate college developmental courses for ENC 1101 with grades of “C” or higher OR completion of EAP coursework for ENC 1101 eligibility with grades of “C” or higher.

**PSY2012H  General Psychology Honors**

**Summer 3.00 Credits - 3.00 Hours**

This is an introductory psychology course with an Honors designation. It intends to survey the field of psychology and the basic principles and concepts utilized to understand major behavior. The major areas of study include methodology, statistics and a research literature survey as well as the major areas of the field of psychology. Honors level content. Permission required from Honors director. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. This class satisfies the General Education State Core Social Science/History requirement for AA degree seeking students. Prerequisites: Acceptance into Honors program. Eligibility to enroll in ENC 1101 OR test scores that indicate ENC 1101 eligibility OR completion of appropriate college developmental courses for ENC 1101 with grades of “C” or higher OR completion of EAP coursework for ENC 1101 eligibility with grades of “C” or higher.

**PSY2602  The Evolution of Modern Psychology**

**Fall 3.00 Credits - 3.00 Hours**

This course will examine influential experiments conducted in psychology over the last 100 years. These landmark studies have influenced and, at times, changed psychological principles and ethical standards. Major studies are in the areas of biopsychology, learning, memory, development, emotion, motivation, personality, psychopathology, therapies and social psychology. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisite: PSY 2012.

**PSY2905  Directed Studies in Psychology**

**Offered as Needed 3.00 Credits - 3.00 Hours**

This course is scheduled for individual students who wish to explore topics not covered in the curriculum. The student must present a design of study (learning contract) to the faculty member who is to direct the work. Approval from the dean or director is required prior to registration.

**PSY2933  Psychology IB**

**Offered as Needed 3.00 Credits - 0.00 Hours**

Credit for this course is awarded to entering students with appropriate scores on the International Baccalaureate (IB) examination in Psychology.

**PSY2949  Cooperative Education Internship in Psychology**
Offered as Needed 3.00 Credits - 3.00 Hours

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn cooperative education credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student’s academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student’s chosen major as identified in the student’s program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement, permission from the Career Development Center and ENC 1101 with a grade of "C" or higher. Corequisite: ENC 1101.

PTN1001 Introduction into Pharmacy Technology

Fall, Spring 3.00 Credits - 3.00 Hours

This course is designed to provide the student with an overall understanding and orientation to the field of pharmacy technology. Included in the course is an overview and historical development of pharmacy and the healthcare delivery system. It will introduce the student to the organizational structure and function of the pharmacy in various areas such as retail, hospital, nursing home and home health care. Included in this course is the use of pharmaceutical medical terminology and abbreviations used on prescriptions, computer applications in processing pharmacy prescription data, discussion of medical legal concepts as they relate to the practice of the pharmacy technician and demonstration of telephone communication skills and routine inquiries. Students will examine the preparation and utilization of patient profiles and prepare and deliver medications.

PTN121 Pharmacology I

Fall, Summer 3.00 Credits - 3.00 Hours

This course will include a study of the introduction to pharmacology, biological factors affecting the action of drugs and the various medications prescribed for treatment of selected illnesses and diseases. Emphasis will be on sources, classifications, strengths, indications, dosages, side effects and precautions of medications. The course is designed to include a study of vitamins, minerals, anti-infective drugs, alternative medicines, nervous system and pain and inflammatory agents. Emphasis will be placed on medication effects on the nervous system, skeletal muscle relaxants, local anesthetics, antiepileptics, antiparkinson, narcotics analgesics and anti-inflammatory drugs. This course will discuss special considerations for therapeutic agents administered throughout the lifespan. This course will introduce the top 200 prescription drugs. Prerequisites: PTN 1001 and PTN 1734C with a grade of "C" or higher. Corequisite: PTN 1705C.

PTN122 Pharmacology II

Fall, Summer 3.00 Credits - 3.00 Hours

This course will be a comprehensive overview of current medications dispensed by classes, their effects on different body systems, indications, side effects, dosages and contraindications. The course will include a study of cardiovascular, gastrointestinal, urinary, endocrine and respiratory systems. Emphasis will be placed on antianginal, hypolipidemic, anticoagulants, antihypertensive, antacids, diuretics, hypoglycemics, antihistaminics, bronchodilators, antipsychotics drugs and blood modifiers. This course will continue the topic on the top 200 prescription drugs, including classifications and indications. Prerequisite: PTN 1121 with grade of "C" or higher. Corequisites: PTN 1131 and PTN 1131L.

PTN124C Pharmacology III

Spring, Summer 3.00 Credits - 5.00 Hours

This course is designed to expand the advanced practice student’s knowledge of pharmacotherapeutics which includes the cellular response level and management of individuals in the acute care and primary care setting. Broad categories of pharmacological agents are examined such as
radiopharmaceuticals. Skills to assess, diagnose and manage a client’s common health problems in a safe, high quality, cost-effective manner are emphasized. This course will require pharmacologic principles and concepts of intravenous (IV) therapy. It will also allow students to perform management activities in a pharmacy setting and have knowledge of the practice setting’s mission, goals and objectives, organizational structures and policies and procedures. Prerequisite: PTN 1122 with a grade of “C” or higher.

**PTN1131  Concepts in Pharmacy Technology**

*Fall, Summer  3.00 Credits - 3.00 Hours*

This course is equipped to introduce the student with an overall understanding of the administrative aspects and applications involved in working in a pharmacy. Subjects covered in this course include interpretation and evaluation of prescription orders, pharmaceutical dosage forms and materials management of pharmaceuticals. This course will introduce the student to the pharmacy formulary system, computer applications in drug use control, receiving and processing medication orders and medication errors. It will allow the student to prepare and utilize patient profiles, handle medications and store and deliver drug products. It will also provide a strong focus on records management, inventory control and compensation and methods of payment for pharmacy services. Prerequisites: PTN 1121 and PTN 1705C and PTN 1734C and BSC 1020 or BSC 1084 or BSC 2093 and BSC 2094 or HIM 1453 with grades of "C" or higher. Corequisites: PTN 1122 and PTN 1131L.

**PTN1131L  Concepts in Pharmacy Technology Lab**

*Fall, Summer  2.00 Credits - 4.00 Hours*

In this course various aspects and hands-on applications are demonstrated and practiced, including the practice of proper compounding and dispensing techniques, counting oral medication, the prescription filling process in a mail order pharmacy, labeling with required information and use of individual unit doses in appropriate containers and repackaging in predetermined quantities. This course will also allow students to identify selected home medical equipment and prepare electronic purchase orders and maintain stock inventory. This course will introduce a pharmacy software program used in the data entry labs. Lab fee required. Corequisite: PTN 1131.

**PTN1705C  Pharmaceutics and Calculation**

*Spring, Summer  3.00 Credits - 3.00 Hours*

In this course students will be introduced to pharmaceutical calculations. Subjects covered include systems of measurements and conversions between each, actual pharmaceutical calculations of drug dosages, demonstrate ability to use common pharmaceutical volume measurement equipment, measurement of time, temperature, capacity and mass/weight and calculation of ratios, proportion and percentage. Lab fee required. Prerequisites: PTN 1001 and PTN 1734C with a grade of "C" or higher. Corequisite: PTN 1121.

**PTN1734C  Pharmacy Operations**

*Fall, Spring  3.00 Credits - 4.00 Hours*

This course is designed to introduce the student to the professional aspects of working in pharmacy technology. Subjects covered include pharmaceutical medical terminology and medical abbreviations as related to community pharmacy practice. It will provide the student with the necessary skills needed to perform operational duties to demonstrate the applications in processing pharmacy prescription data and maintain pharmacy records. It will also provide the student with the necessary skills to recognize and practice infection control, safety and security procedures and to identify methods in medical error reduction and prevention in the pharmacy practice. Lab fee required. Corequisites: PTN 1001 and HIM 1453 or BSC 1020 or BSC 1084 or BSC 2093C and BSC 2094C.

**PTN1931  Selected Studies in Pharmacy Technician**

*Offered as Needed  1.00 Credit - 1.00 Hour*
In this course topics of current interest are presented in group instruction.

PTN1945C  Pharmacy Technician Practicum I
Fall, Spring  4.00 Credits - 11.00 Hours
This course provides the pharmacy technician student the opportunity to apply pharmaceutical knowledge and techniques learned in the classroom setting in a safe and competent manner under the direction of a pharmacist (160 hours). Students will be expected to gain experiences in assisting the pharmacist in serving patients, maintaining medication, inventory control and participating in the administration and management of pharmacy practice at a community (retail) pharmacy setting. Students will gain exposure to on-the-job experience and training in the pharmacy setting and practical application of pharmacy skills and gaining experience in all aspects of drug preparation and distribution utilized by participating sites. Lab fee required. Corequisite: PTN 1947L.

PTN1947L  Pharmacy Technician Applications
Fall, Spring  4.00 Credits - 6.00 Hours
This course is designed to provide students with practical, hands-on experience in the pharmacy lab. Designed for students to practice and acquire various skills learned in the pharmacy technician program under the direct supervision of the pharmacy instructor. Student skills will be checked off as they are mastered including, but not limited to, receiving, interpreting and filling of prescriptions/medication orders for the inpatient and outpatient practice setting, pharmaceutical calculations review and IV Admixture of large volume, IV Piggyback and syringe doses using the laminar hood. Treatment modalities will include parenteral fluids and pharmacologic agents. Legal and ethical aspects of infusion practice will also be reviewed. Lab fee required. Prerequisites: PTN 1121 and PTN 1705C with a grade of “C” or higher. Corequisites: PTN 1122 and PTN 1131 and PTN 1131L.

PTN2946C  Pharmacy Technician Practicum II
Spring, Summer  4.00 Credits - 13.00 Hours
This 160-hour course provides the pharmacy technician student the opportunity to apply pharmaceutical knowledge and techniques learned in the classroom setting in a safe, competent manner under the direction of the pharmacist. Students will be expected to gain experiences in either a hospital pharmacy or specialty pharmacy setting. Students will gain exposure to on-the-job experience and training in the pharmacy setting and practical application of pharmacy skills and gaining experiences in all aspects of drug preparation and distribution utilized by participating sites. Lab fee required. Prerequisite: PTN 1947L with a grade of “C” or higher. Corequisites: PTN 1124 and PTN 2949C.

PTN2949C  Advanced IV Infusion for Pharmacy Technology
Spring, Summer  2.00 Credits - 3.00 Hours
This course will include a study of intravenous delivery of therapy in the home setting as well as other therapies to include arterial, epidural and intrathecal. It will focus on patients and their clinical needs, physician treatment plans and collaboration with other healthcare providers. The foundation of infusion therapy will be discussed including anatomy, physiology, systems for administering parenteral production, reconstituting parenteral medications and infection control, inpatient practice setting, pharmaceutical calculations review and IV Admixture of large volume, IV Piggyback and syringe doses using the laminar hood. Treatment modalities will include parenteral fluids and pharmacologic agents. Legal and ethical aspects of infusion practice will also be reviewed. Lab fee required. Prerequisites: PTN 1122 and PTN 1131 and PTN 1131L.
This course discusses intravenous therapy, including types of intravenous (IV) devices and various types of IV therapy, venipuncture techniques, complications of intravenous therapy and mechanism of actions, clinical indications, pharmacokinetics, contraindications and side effects of selected intravenous medications. Treatment modalities will include advanced nutritional preparations and preparation of chemotherapeutic agents using proper safety techniques. This course will also look at the pharmacologic principles and concepts of intravenous (IV) therapy. Lab fee required. Prerequisite: PTN 1948C with a grade of “C” or higher.

**PUP2230 Energy and Environmental Policy**

**Fall, Spring** 3.00 Credits - 3.00 Hours

This course will expose the student to various policies and environmental regulations concerning air quality and dependence on foreign energy sources. Discussion will include enactment of policies, laws, regulations and programs with regard to conventional and alternative energy sources. Assessment of concerns over future depletion of global oil supplies and the impact to the U.S. economy will be discussed. The federal, state or local governmental response to issues concerning pollution and its impact on the number of environmental laws, the effectiveness of any proposed initiative and the extent of implementation and enforcement will be explored.

**QMB1001 Business Mathematics**

**Fall, Spring, Summer** 3.00 Credits - 3.00 Hours

This course is designed to enable students to use mathematics to solve real-world business problems. Areas covered include checking accounts, using equations to solve business problems, calculating trade discounts, markup and markdown, payroll and computing interest for notes.

**REA0007C Developmental Reading I**

**Fall, Spring, Summer** 4.00 Credits - 4.00 Hours

This course is designed to develop basic reading skills necessary for success in collegiate studies. Topics include main idea, supporting details, the purpose and tone of the author, fact and opinion, organizational patterns, relationships, vocabulary in context, inference and conclusions, reasoning and argument. Credit is not applicable toward A.A. or A.S. degrees. Prerequisite: Placement test score mandates placement.

**REA0017C Developmental Reading II**

**Fall, Spring, Summer** 4.00 Credits - 4.00 Hours

The main objective of this course is to increase the student's ability to comprehend written material. Topics include main idea, supporting details, the purpose and tone of the author, fact and opinion, organizational patterns, relationships, bias, vocabulary in context, inference and conclusions, reasoning and argument. Credit is not applicable toward A.A. or A.S. degrees. Prerequisite: REA 0007C with a grade of “C” or higher or sufficient score on placement test.

**REA0019 Developmental Reading**

**Fall, Spring, Summer** 4.00 Credits - 4.00 Hours

This course is designed to develop basic reading skills necessary for success in collegiate studies. Topics include main idea, supporting details, the purpose and tone of the author, fact and opinion, organizational patterns, relationships, vocabulary in context, inference and conclusions, reasoning and argument. Credit is not applicable toward A.A. or A.S. degrees. This course may be repeated up to three times. Prerequisite: Sufficient score on placement test or REA 0007C with a grade of “C” or higher or equivalent.

**REA0055 Developmental Reading Module**

**Fall, Spring, Summer** 1.00 Credit - 1.00 Hour

This one credit-hour course allows students to complete modularized assignments to work on specific reading deficiencies. Students selecting this option complete a reading skills assessment and,
based on the assessment, complete modularized assignments to work on specific reading deficiencies.

**RED2010 Foundations of Reading**

*Fall, Spring, Summer* 3.00 Credits - 3.00 Hours

This beginning reading methods course introduces students to the principles, procedures and current research-based practices for teaching and assessing reading.

**REL2300 Religions of the World**

*Fall, Spring, Summer* 3.00 Credits - 3.00 Hours

This course is an ideological study of the major religions of the world emphasizing the relationships of their major tenets to our modern society. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisite or corequisite: ENC 1101.

**RET1025C Principles of Respiratory Care**

*Fall* 4.00 Credits - 6.00 Hours

This is a course and laboratory experience designed for the beginning respiratory care student. An introduction and working knowledge of the state-of-the-art, basic principles of patient safety, recordkeeping (including medical terms and abbreviations), ethical and legal implications of healthcare, patient education, physical principles of respiratory care, principles of infection control, pulmonary rehabilitation, patient assessment, arterial blood gas puncture and analysis and HIV/blood-borne pathogens. Lab fee required. Prerequisite: Admission to the Respiratory Care Program. Corequisite: RET 1275C.

**RET1264C Principles of Mechanical Ventilation**

*Spring* 4.00 Credits - 6.00 Hours

This course is a lecture and laboratory experience introducing mechanical function of equipment used in the continuous and intermittent ventilation of patients. Course content includes indications, contraindications and hazards of continuous ventilation with significance given to ventilator management and monitoring techniques. Hands-on laboratory experiences are designed to prepare students for actual clinical situations. Lab fee required. Prerequisites: RET 1025C, RET 1275C and RET 1485C with a grade of "C" or higher.

**RET1275C Clinical Care Techniques**

*Fall* 6.00 Credits - 6.00 Hours

A course and laboratory experience designed for the beginning respiratory care student. The course presents basic principles and essential skills necessary to perform basic respiratory care in preparation for the first clinical rotation. Topics include storage and delivery of medical gases, indications and hazards of medical gas therapy, humidity and bland aerosol therapy, airway management, bronchial hygiene therapy, airway pharmacology, aerosol drug therapy, arterial blood gas analysis, non-invasive ventilation and lung expansion therapy. Lab fee required. Prerequisite: Admission to the Respiratory Care Program.

**RET1295C Chest Medicine**

*Summer* 3.00 Credits - 5.00 Hours

This course allows respiratory therapy students to investigate the nature and cause of cardiopulmonary diseases which involve changes in structure and function. The etiology, clinical manifestation, pathogenesis, laboratory data and treatment for major chronic and acute cardiopulmonary disease entities will be presented. Lab fee required. Prerequisites: RET 1264, RET 1874L and RET 2350 with a grade of "C" or higher.

**RET1450C Basic Physiological Monitoring**

*Summer* 4.00 Credits - 6.00 Hours
This is a lecture-laboratory course designed to present invasive and non-invasive monitoring and diagnostic evaluation of patients. Cardiopulmonary assessment is presented utilizing pulmonary function, chest roentgenography, hemodynamic monitoring and general laboratory tests. Lab fee required.

Prerequisites: RET 1264C, RET 1874L and RET 2350 with a grade of “C” or higher.

RET1485C  Cardiopulmonary Physiology

Fall  4.00 Credits - 6.00 Hours

This course covers physiological functions including acid base relationships, gas perfusion, functions of ventilatory control, ventilation perfusion analysis, cardiopulmonary and renal hemodynamics and blood gas analysis. Laboratory exercises consistent with didactic material are incorporated into the course. Lab fee required. Prerequisite or corequisite: BSC 2093C.

RET1874L  Clinical Practice I

Spring  4.00 Credits - 16.00 Hours

This course provides supervised clinical experiences which emphasize fundamental respiratory therapy procedures. Lab fee required. Prerequisites: RET 1025C, RET 1275C and RET 1485C with grades of “C” or higher.

RET1875L  Clinical Practice II

Summer  4.00 Credits - 24.00 Hours

This course covers the integration of clinical practice and knowledge for the advanced student. Students receive clinical experience in adult intensive care units with an emphasis on mechanic ventilator management. Lab fee required. Prerequisites: RET 1264C, RET 1874L and RET 2350 with grades of “C” or higher. Corequisites: RET 1295C and RET 1450C.

RET2244C  Life Support

Spring  3.00 Credits - 3.00 Hours

This is a lecture/laboratory course designed to present advanced cardiopulmonary assessment. Diagnostic and monitoring techniques will be emphasized. Cardiopulmonary hemodynamics, advanced pulmonary function studies, modes of ventilation and new innovations will be stressed. Lab fee required. Prerequisites: RET 2714C and RET 2876L with grades of “C” or higher.

RET2350  Pharmacology

Spring  3.00 Credits - 3.00 Hours

This course deals with the history of pharmacology, regulatory agencies and laws concerning the use of medications. Drug actions, absorption, distribution and use in the human body are discussed. The course places emphasis on respiratory drugs, cardiac drugs and related drugs that the therapist is exposed to in the hospital. Prerequisites: RET 1025C, RET 1275C, RET 1485C with grades of “C” or higher.

RET2714C  Pediatric Respiratory Care

Fall  4.00 Credits - 4.00 Hours

Respiratory care of the neonate and pediatric patient is presented with special emphasis on physiology, pulmonary complications and related general and intensive care procedures. Also included is neonatal transportation and assessment of the sick newborn and child. Lab fee required. Prerequisites: RET 1295C, RET 1450C and RET 1875L with a grade of “C” or higher or department permission. Corequisite: RET 2876L.

RET2876L  Clinical Practice III

Fall  4.00 Credits - 24.00 Hours

The student will receive supervised clinical experience emphasizing advanced modes of mechanical ventilation, patient transport and advanced hemodynamic monitoring. During this clinical rotation, students will also rotate through the neonatal and
pediatric critical care units. Lab fee required. Prerequisites: RET 1295C and RET 1450C and RET 1875L with grades of "C" or higher. Corequisite: RET 2714C.

RET2877L Clinical Practice IV

Spring 4.00 Credits - 16.00 Hours

The clinical rotation will be in specialty areas of adult, pediatric and neonatal medicine. Clinical skills will focus on adult and pediatric ventilator management, weaning, extubation and hemodynamic assessment. Conferences will be used to assess learning objectives and present cases. During the semester, students will be given the opportunity to become certified in ACLS and NRP. Lab fee required. Prerequisites: RET 2714C and RET 2876L with a grade of "C" or higher. Corequisite: RET 2244C.

RET2931 Selected Studies in Respiratory Therapy

Offered as Needed 1.00 Credit - 1.00 Hour

In this course topics of current interest related to respiratory therapy are presented in group instruction.

RET3536 Cardiopulmonary Rehabilitation

Fall, Spring, Summer 3.00 Credits - 3.00 Hours

This course is designed to provide students with a comprehensive understanding of cardiopulmonary rehabilitation. Students will learn how to optimize the quality of life for chronically ill patients with cardiopulmonary disease through rehabilitation, education and outpatient management. Focus is on an interdisciplinary approach to pulmonary rehabilitation and home care of the adult cardiopulmonary patient.

RET4277 Adult Critical Care

Fall, Spring, Summer 3.00 Credits - 3.00 Hours

This course will examine the different specialty areas available in respiratory therapy as a working practitioner. Information on recent changes in technology and therapeutic modalities will be presented. The student will participate in activities to gain knowledge of ongoing changes in respiratory therapy.

RET4285 Advanced Cardiopulmonary Medicine

Fall, Spring, Summer 3.00 Credits - 3.00 Hours

This course focuses on the disease states treated medically in conjunction with one or more modalities of respiratory therapy. Topics include acute lung injury and acute respiratory distress syndrome, life threatening asthma, chronic obstructive lung disease, pleural effusion, pneumothorax, indications for ventilator support in adults, modes of invasive and non-invasive ventilator support and post-operative management of patients undergoing lung resection.

RET4718 Neonatal Pediatric Critical Care

Fall, Spring, Summer 3.00 Credits - 3.00 Hours

This comprehensive course focuses on advancing the knowledge of the respiratory therapy student from basic disease knowledge and treatment to innovative and novel modalities in the treatment of critically ill pediatric respiratory patients. This comprehensive course focuses evaluation and management of medical and surgical pediatric conditions requiring respiratory care. Emphasis will be on pediatric critical care, pathophysiology, treatment and prevention of respiratory conditions and mechanical ventilation.

RMI2110 Personal Insurance Planning

Fall 3.00 Credits - 3.00 Hours

This course includes methods of analysis in handling personal risk exposures, including insurance coverage alternatives. Integration of life, health and accident, property and liability, profit-sharing and private and governmental insurance and pension programs are also included. Prerequisite: RMI 2662.
RMI 2212  Personal and Business Property Insurance  
Spring  3.00 Credits - 3.00 Hours  
This course provides an overview of personal and business property risks and coverages which may be used in dealing with these risks, including the underwriting, marketing and social problems associated with these coverages. Additional topics include commercial and residential fire insurance, inland marine and transportation coverages and multi-peril contracts. Prerequisite: RMI 2662.

RMI 2662  Introduction to Risk Management and Insurance  
Summer  3.00 Credits - 3.00 Hours  
This course is an introduction to the principles, practices and economics of insurance. Topics include fire, life and casualty contracts and various types of business and contingency risks.

RTV 1201C  Introduction to Television Production I  
Fall, Spring, Summer  4.00 Credits - 4.00 Hours  
This is a course in the preparation and production of television programs for airing at the College and on local public access TV. Programs scheduled include activities at Seminole State College and in the community. Lab fee required.

RTV 1201L  Introduction to Television Production I Laboratory  
Fall, Spring, Summer  1.00 Credit - 1.00 Hour  
This is the lab component for RTV 1201. This is a course in the preparation and production of television programs for airing at the College and on local public access TV. Programs scheduled include activities at Seminole State College and in the community. Lab fee required. Prerequisite: RTV 1201.

RTV 1240  Introduction to Audio Production  
Fall, Spring, Summer  3.00 Credits - 3.00 Hours  
The course includes beginning theory and practices as a platform to springboard into live sound reinforcement as well as recording and broadcasting technology, incorporating the signal processing and hands-on techniques found in a myriad of real world applications. The eventual goal is to learn to incorporate audio gear for optimum performance in a variety of professional operations.

RTV 1241  Introduction to Television Production II  
Fall, Spring, Summer  4.00 Credits - 4.00 Hours  
The purpose of this course is to develop skills in using more advanced equipment for television production and to apply these skills in producing television programs. The course will stress writing, producing, directing and editing television programs. Lab fee required. Prerequisites: RTV 1201C or RTV 1201 and RTV 1201L.

RTV 2206  Television Directing  
Spring  3.00 Credits - 3.00 Hours  
This course teaches students procedures and practices of directing a variety of television productions. Emphasis will be placed on working with writers and producers in directing programs from concept to product. Lab fee required.

RTV 2245C  Electronic Field Production  
Fall, Spring  4.00 Credits - 4.00 Hours  
In this course students learn single and multiple camera field production techniques in producing documentary and news style programs. Emphasizes working in teams utilizing portable field equipment such as lighting, audio and camera. Lab fee required.
RTV2250  Video Post Production

Fall, Spring  3.00 Credits - 3.00 Hours

In this course students will learn editing techniques and other post-production processes, including A/B roll editing, digital video effects, electronic graphics and audio mixing. Students will be introduced to non-linear editing systems. Lab fee required.

RTV2251  Advanced Editing

Fall, Spring  3.00 Credits - 3.00 Hours

This course will instruct students to operate non-linear editing systems focusing on AVID technologies. Students will become familiar with software applications related to special effects, audio enhancements and image manipulation. Lab fee required. Prerequisites or corequisites: RTV 1201 or RTV 1201C and RTV 1241.

RTV2925  TV Workshop

Fall, Spring  3.00 Credits - 3.00 Hours

This is the capstone course for the TV and Film program. Students will produce a demonstration reel exhibiting their best work in all areas of pre-production, production and post-production. The course should be a benefit to students seeking employment or wishing to transfer to a senior institution. Lab fee required. Prerequisite: RTV 1201C. Prerequisite or corequisite: RTV 1241.

RTV2930  Selected Studies in Television Production

Fall, Spring, Summer  3.00 Credits - 3.00 Hours

In this course, topics of current interest are presented in group instruction. This course may be taken four times for credit. Lab fee required.

RTV2941  Cooperative Education Internship in Radio/TV

Offered as Needed  1.00 Credit - 1.00 Hour

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn cooperative education credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student’s academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student’s chosen major as identified in the student’s program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

RTV2942  Cooperative Education Internship in Radio/TV

Offered as Needed  2.00 Credits - 2.00 Hours

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn cooperative education credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student’s academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student’s chosen major as identified in the student’s program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

RTV2949  Cooperative Education Internship in Radio/TV
Offered as Needed 3.00 Credits - 3.00 Hours

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn cooperative education credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student’s academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student’s chosen major as identified in the student’s program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

RUS1930 Russian Language and Culture AP
Offered as Needed 3.00 Credits - 0.00 Hours

Credit for this course is awarded to entering students with appropriate scores on the Advanced Placement (AP) examination in Russian Language and Culture.

RUS1931 Russian Language and Culture AP
Offered as Needed 3.00 Credits - 0.00 Hours

Credit for this course is awarded to entering students with appropriate scores on the Advanced Placement (AP) examination in Russian Language and Culture.

SBM2000 Small Business Management

Fall, Spring, Summer 3.00 Credits - 3.00 Hours

The course is designed to enable students to manage and operate a small business. The areas covered include developing a business plan, securing financing, accounting for business transactions, advertising and promotion, site location and managing the small business. This course is beneficial for those planning to start a small business as well as those already operating a business.

SLS1101 College Success

Fall, Spring, Summer 3.00 Credits - 3.00 Hours

This course is designed to help students become more effective in college. The course teaches students how to set goals, manage time, improve retention of information, take notes, strengthen test-taking skills, deal with test anxiety, master stress reduction techniques, think critically, approach problems creatively, communicate more effectively, use the library and other college services, adapt to various instructional styles, understand their own learning style and identify and deal with problems (learning, personal or social) that interfere with their ability to learn, develop an appreciation for diversity and develop appropriate classroom behaviors. Lab fee required.

SLS1103 Introduction to College Life

Fall, Spring, Summer 1.00 Credit - 1.00 Hour

This course is designed to assist first-year students in making a smooth transition into Seminole State College of Florida. The course will provide students the opportunity to understand the culture of higher education. Topics covered in the course include the vocabulary of higher education, college policies, student code of conduct, educational planning (class scheduling techniques, class formats, transfer process and techniques to select a major), information literacy and financial information (financial aid and personal money management).

SLS1301C Life/Career Planning

Fall, Spring, Summer 3.00 Credits - 3.00 Hours

Life/Career Planning is a course designed to assist students with the lifelong process of career development. Students will participate in a variety of experiences as a group and individually. The coursework is designed to help students identify and...
examine their interests, personality, values, self-esteem, critical thinking skills and to use this increased self-awareness to make decisions about majors and careers. This course will emphasize that making an occupational career choice is a never-ending process subject to and affected by one’s personal maturity and environmental changes. Life/Career Planning is a three-credit course that applies as an elective towards the Associate in Arts degree. Lab fee required.

SLS1533  Achievement in Mathematics

Fall, Spring  1.00 Credit - 1.00 Hour

This course is designed to instruct students in the specific study habits, attitudes, thinking skills and problem-solving skills necessary for success in mathematics courses. Through the use of various attitude scales, students will determine personal strengths and weaknesses as well as behavior and attitude changes needed in order to maximize proficiency in mathematics. This course may be taken only one time for credit.

SLS1603  Financial Success for Students

Fall, Spring, Summer  1.00 Credit - 1.00 Hour

The purpose of the Financial Success for Students course is to help students learn the skills to stay out of debt and stay in school. Each element in this course is designed to help students think critically to develop financial habits that lead to success, significance and satisfaction. Students who are financially savvy in college do not let finances interfere with their ability to learn and succeed in college. This course will teach students how to avoid financial pitfalls and set financial goals as well as learn basic techniques for overcoming financial mistakes, manage money, expand their knowledge of financial aid and scholarships and learn basic budgeting skills.

SLS2940  Internship Exploration

Fall, Spring, Summer  0.00 Credits - 0.00 Hours

This course is work-based experience that provides students with supervised career exploration activities and/or practical experiences. Seminars may be a component of this course and regular contact with the assigned advisor is required. Students may earn cooperative education credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated at the discretion of the Career Development Center. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

SLS2941  Internship Exploration

Fall, Spring, Summer  1.00 Credit - 1.00 Hour

This course is a work-based experience that provides students with supervised career exploration activities and/or practical experiences. Seminars may be a component of this course and regular contact with the assigned advisor is required. Students may earn cooperative education credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated at the discretion of the Career Development Center. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

SLS2942  Internship Exploration

Fall, Spring, Summer  2.00 Credits - 2.00 Hours

This course is a work-based experience that provides students with supervised career exploration activities and/or practical experiences. Seminars may be a component of this course and regular contact with the assigned advisor is required. Students may earn cooperative education credits based on the
completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated at the discretion of the Career Development Center. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

SLS2949  Internship Exploration

Fall, Spring, Summer  3.00 Credits - 3.00 Hours

This course is a work-based experience that provides students with supervised career exploration activities and/or practical experiences. Seminars may be a component of this course and regular contact with the assigned advisor is required. Students may earn cooperative education credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated at the discretion of the Career Development Center. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

SPC1608  Introduction to Oral Communication

Fall, Spring, Summer  3.00 Credits - 3.00 Hours

The purpose of this course is to improve the basic skills of speaking and listening. Class exercises emphasize preparing and delivering public speeches, speaking with clarity and variety and listening with literal and critical comprehension. Corequisite: Acceptance into the Honors program.

SPC2511  Argumentation and Debate

Fall  3.00 Credits - 3.00 Hours

This course is designed to elevate the basic skills of speaking and reasoning to a level appropriate for intercollegiate debate. Exercises will focus on critical thinking, argumentation and refutation. Students will study the classical theories of Aristotle and Cicero and apply the basic precepts of argumentation in formalized debate.

SPC2601  Oral Communication II

Fall  3.00 Credits - 3.00 Hours

This course is designed to improve the basic skills developed in the Introduction to Oral Communication class (SPC 1608). While the class will emphasize the presentation and delivery of speeches, this course will also place significant emphasis on rhetorical analysis exercises specifically designed to foster critical thinking. Students will analyze and critique the fundamental elements of logic, reasoning and argumentation. Presentations will emphasize high-tech visual aids.

SPC2949  Cooperative Education Internship in Speech

Offered as Needed  3.00 Credits - 3.00 Hours

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn cooperative education credits based on the completion of the required work experience and satisfactory completion of assignments including, but
not limited to, seminars and a project. This course may be repeated based upon the student’s academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student’s chosen major as identified in the student’s program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

SPN1000 Beginning Conversational Spanish I
Fall 2.00 Credits - 2.00 Hours
This course is designed as an introductory course for the student who has little or no experience with the Spanish language. It is an introduction to the foundation of the language, stressing a communicative approach. The course starts with pronunciation and increases the knowledge and ability of the student to function in the language using basic vocabulary, phrases, question and answer sequences and short dialogues. Verbal participation is emphasized in class. This course does not satisfy university foreign language requirements.

SPN1001 Beginning Conversational Spanish II
Offered as Needed 2.00 Credits - 2.00 Hours
This course is a continuation of Beginning Conversational Spanish I (SPN 1000). Speaking and listening skills will be emphasized. The topics and vocabulary previously learned will be reviewed and used as the foundation on which the new topics and situations will be introduced. Situations such as asking for directions, shopping, seeking help, etc. will be presented. New vocabulary phrases, question and answer sequences and dialogues will be memorized and practiced in class. Verbal class participation is expected. This course does not satisfy university foreign language requirements.

SPN1120 Elementary Spanish I
Fall, Spring, Summer 4.00 Credits - 5.00 Hours
This is a beginning course consisting of the fundamentals of Spanish functional grammar and speech taught by developing skills in hearing and understanding, speaking, reading and writing. Through a multimedia approach, students will develop proficiency and confidence in the language. In addition, the course provides a basis for understanding the culture of Spanish-speaking areas. Lab fee required.

SPN1121 Elementary Spanish II
Fall, Spring, Summer 4.00 Credits - 5.00 Hours
This course covers the understanding and speaking of the language of everyday life and the fundamentals of Spanish grammar. Further drill is provided on pronunciation, diction, conversation and the reading of modern short stories. A continuation of SPN 1120. One hour of listening laboratory required. Lab fee required. Prerequisite: SPN 1120.

SPN2200 Intermediate Spanish I
Offered as Needed 3.00 Credits - 3.00 Hours
This course is a review of SPN 1120 and SPN 1121 with emphasis on enlarged vocabulary and increased understanding of Spanish grammar. Contemporary readings on vital topics which stimulate free discussions on world events and universal concerns. Provides further practice in speaking Spanish. Class held largely in target language. Prerequisite: SPN 1121.

SPN2201 Intermediate Spanish II
Offered as Needed 3.00 Credits - 3.00 Hours
This course includes selected readings of modern plays, short stories, novels and poems by eminent Spanish and Latin American authors. Conducted largely in target language. Credit for this course is also awarded to entering students with the appropriate score on the Advanced Placement (AP), College-Level
Examination Program (CLEP) or the International Baccalaureate (IB) examination in this language. Prerequisite: SPN 2200 or four years of high school Spanish or permission of instructor.

**SPW2010**  Selected Readings in Spanish Literature  
Offered as Needed  3.00 Credits - 0.00 Hours  
Credit for this course is awarded to entering students with appropriate scores on the Advanced Placement (AP) examination in Spanish.

**STA2023**  Statistical Methods I  
Fall, Spring, Summer  3.00 Credits - 3.00 Hours  
This course introduces descriptive statistics, probability and probability distributions, estimation, confidence intervals, hypothesis testing, two-sample inferences, correlation and regression and nonparametric tests. This course is a first course in statistical methods for those students entering a science or business-related field. This class satisfies the General Education State Core Mathematics requirement for AA degree seeking students. Prerequisite: MAC 1105 or MAT 1033 or MAT 1100 or equivalent with a grade of “C” or higher or sufficient score on placement test.

**STA2023H**  Honors Statistical Methods I  
Spring  3.00 Credits - 3.00 Hours  
This Honors course introduces descriptive statistics, probability and probability distributions, estimation, confidence intervals, hypothesis testing, two-sample inferences, correlation and regression and nonparametric tests. This course is a first course in statistical methods and involves Honors students in projects and development of portfolios. Honors level content. Permission required from Honors director. This class satisfies the General Education State Core Mathematics requirement for AA degree seeking students. Prerequisites: Acceptance into Honors program and MAC 1105 or MAT 1033 or MAT 1100 or equivalent with a grade of “C” or higher or sufficient score on placement test.

**SUR2101C**  Surveying  
Fall, Spring  4.00 Credits - 4.00 Hours  
This course covers the theory and practice of surveying, use and care of instruments, instrument error, balancing and closing traverses, introduction to land and construction surveying. Lab fee required. Prerequisite: MAC 1114 (or higher level math) or MTB 1329 or BCT 1001.

**SUR3205**  Engineering and Construction Surveying  
Fall, Spring  3.00 Credits - 3.00 Hours  
This course is an instructional program that prepares individuals to apply mathematical and scientific principles to the delineation, determination, planning and positioning of land tracts, land and water boundaries, land contours and features and the preparation of related maps, charts and reports. Includes instruction in applied geodesy, computer graphics, photo interpretation, plane and geodetic surveying, mensuration, traversing, survey equipment operation and maintenance, instrument calibration and basic cartography. Prerequisite: ETD 3555.

**SUR3446C**  Land Subdivision and Platting  
Fall, Spring  3.00 Credits - 3.00 Hours  
This course covers the legal framework of the land development process. Topics include zoning, restrictions, easements, setbacks, land planning, relative statutes - state and federal, agency jurisdiction, condominium concepts and practices, planned unit development concepts and practices. The course also covers subdivision concepts and practices and platting. Prerequisite: SUR 2101C.

**SUR4403**  Legal Principles of Boundaries
**Spring**  
3.00 Credits - 3.00 Hours

This course covers legal principles of property boundary retracement, land descriptions, rights-of-way, writing legal descriptions of real property, ethical issues and legal limits of practice, surveyor as expert witness, the surveyor-client relationship and responsibilities to the profession. Lab fee required. Prerequisites: ETD 3555 and SUR 3446C.

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**SYG2000**  
Introduction to Sociology

**Fall, Spring, Summer**  
3.00 Credits - 3.00 Hours

This course is an introductory survey of sociology covering its scope, methods and general principles. Topics emphasized include group behavior, race relations, population, social institutions, social change and social stratification. The purpose of the course is to assist the student in acquiring an understanding of society. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. This class satisfies the General Education State Core Social Science/History requirement for AA degree seeking students. Prerequisite: Eligibility to enroll in ENC 1101 OR test scores that indicate ENC 1101 eligibility OR completion of appropriate college developmental courses for ENC 1101 with grades of “C” or higher OR completion of EAP coursework for ENC 1101 eligibility with grades of “C” or higher.

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**SYG2000H**  
Honors Introduction to Sociology

**Fall, Spring, Summer**  
3.00 Credits - 3.00 Hours

This course is an introductory survey of sociology covering its scope, methods and general principles. Topics emphasized include group behavior, race relations, population, social institutions, social change and social stratification. The purpose of the course is to assist the student in acquiring an understanding of society. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Note: This course contains Honors level material. Acceptance into Honors Program or Permission from the Honors Director required. This class satisfies the General Education State Core Social Science/History requirement for AA degree seeking students.

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**SYG2110H**  
Honors Introduction to Social Research

**Fall**  
3.00 Credits - 3.00 Hours

This course is applied sociology that will pursue a unique, original research project each semester. It provides students with an in-depth understanding of social scientific research through experimental investigation. Utilizing the research project as a point of focus, this course includes training in all aspects of empirical research, including literature review, methodology, data collection, data coding, data analysis and presentation of results. Previous coursework in sociology or psychology is recommended. Honors level content. Permission required from Honors director. Prerequisites: Acceptance into Honors program. Eligibility to enroll in ENC 1101 OR test scores that indicate ENC 1101 eligibility OR completion of appropriate college developmental courses for ENC 1101 with grades of “C” or higher OR completion of EAP coursework for ENC 1101 eligibility with grades of “C” or higher.
SYG2230  Cultural Pluralism

Spring  3.00 Credits - 3.00 Hours

This course is designed to study the changing culture of our nation. Issues of race, ethnicity, gender, class, nationality and globalism will be explored. This course is also designed to provide information and strategies for living and working in a pluralistic, multi-cultural society. Values and ethics of diversity and commonality will be emphasized. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisite: Eligibility to enroll in ENC 1101 OR test scores that indicate ENC 1101 eligibility OR completion of appropriate college developmental courses for ENC 1101 with grades of “C” or higher OR completion of EAP coursework for ENC 1101 eligibility with grades of “C” or higher.

SYG2311  Introduction to Conflict Studies

Fall, Spring  3.00 Credits - 3.00 Hours

This course will explore the dynamics of conflict from a variety of frames. Students will be provided with valuable insight about conflict that will help lead to an understanding regarding the conflicts they are likely to face in life, at school or work, in society as well as those they observe in national headlines. An introduction to the dispute resolution practices of mediation, facilitation and negotiation will be conducted. The examination of how one’s gender and cultural perspective may influence the approach and outcome of the conflict will be discussed. Current trends and issues within the field of conflict management and resolution will be reviewed. The course will engage students in the theory and application of addressing conflict management and resolution on an individual, interpersonal and international perspective. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisite: Eligibility to enroll in ENC 1101 OR test scores that indicate ENC 1101 eligibility OR completion of appropriate college developmental courses for ENC 1101 with grades of “C” or higher OR completion of EAP coursework for ENC 1101 eligibility with grades of “C” or higher.

SYG2340  Human Sexuality

Fall, Spring, Summer  3.00 Credits - 3.00 Hours

This course is designed to present students with an interdisciplinary study of the sexual functioning of humans. Course information is drawn liberally from the disciplines of sociology, psychology and biology, providing students with an integrated introduction to the study of human sexual behavior. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisite: Eligibility to enroll in ENC 1101 OR test scores that indicate ENC 1101 eligibility OR completion of appropriate college developmental courses for ENC 1101 with grades of “C” or higher OR completion of EAP coursework for ENC 1101 eligibility with grades of “C” or higher.

SYG2430  Marriage and the Family

Fall, Spring, Summer  3.00 Credits - 3.00 Hours

This course is a historical and comparative study of courtship, mate selection, engagement, marriage, husband-wife relationships and child-rearing in the United States. Emphasis is placed upon the changing contemporary family with respect to social and economic status, sex, sources of marital conflict and social values. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisite: Eligibility to enroll in ENC 1101 OR test scores that indicate ENC 1101 eligibility OR completion of appropriate college developmental courses for ENC 1101 with grades of “C” or higher OR completion of EAP coursework for ENC 1101 eligibility with grades of “C” or higher.

SYG2949  Cooperative Education Internship in Sociology

Offered as Needed  3.00 Credits - 3.00 Hours

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn cooperative education credits based on the
completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student’s academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student’s chosen major as identified in the student’s program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement, permission from the Career Development Center and ENC 1101 with a grade of “C” or higher. Corequisite: ENC 1101.

SYP2512 Sociology of Deviance
Fall, Spring 3.00 Credits - 3.00 Hours

This course will examine normative deviance through the sociological lens. It will focus on the social context, behaviors and societal reactions associated with deviance. Criminal and noncriminal forms of deviance will be investigated using a variety of theoretical perspectives. In approaching deviance sociologically, this course will highlight the social constructions of deviance and the influence of social control and stigmatization as reactions to deviant behavior. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisite or corequisite: ENC 1101 with a grade of “C” or higher.

TAX2000 Federal Income Taxes I
Fall, Spring 3.00 Credits - 3.00 Hours

This course focuses on the federal income taxation of individuals. The course emphasizes conceptual framework underlying the U.S. tax system, tax accounting procedures and federal tax laws relating to the preparation of individual tax returns. Prerequisite: ACG 2021 with a grade of “C” or higher.

THE1000 Theatre Arts IB
Offered as Needed 3.00 Credits - 0.00 Hours

Credit for this course is awarded to entering students with appropriate scores on the International Baccalaureate (IB) examination in Theatre Arts.

THE1020 Theatre Survey

Fall, Spring 3.00 Credits - 3.00 Hours

This course is a survey of the arts and crafts of the theatre. Students will discuss the playscript, the physical stage and the profession. The roles of the artists involved in theatre performance and production will be examined. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisite: Eligibility to enroll in ENC 1101 OR test scores that indicate ENC 1101 eligibility OR completion of appropriate college developmental courses for ENC 1101 with grades of “C” or higher OR completion of EAP coursework for ENC 1101 eligibility with grades of “C” or higher.

THE1300 Survey Dramatic Literature
Spring 3.00 Credits - 3.00 Hours

This course is a survey of play scripts from Classical Greece to postmodernism and contemporary drama. A succinct history of western drama will be examined. This course partially fulfills the writing requirement of S.B.E. 6A-10.030. Prerequisite: Eligibility to enroll in ENC 1101 OR test scores that indicate ENC 1101 eligibility OR completion of appropriate college developmental courses for ENC 1101 with grades of “C” or higher OR completion of EAP coursework for ENC 1101 eligibility with grades of “C” or higher.

THE1304 Script Analysis
Fall 3.00 Credits - 3.00 Hours

This course will explore the dramatic form and structure of a play. Students will read and analyze the script in order to study the playwright’s intentions, methods and meanings. The script will be examined as a blueprint for production and performance.
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Offered</th>
<th>Credits</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>THE2000</td>
<td>Theatre Appreciation</td>
<td>Fall, Spring</td>
<td>3.00</td>
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<td></td>
<td>This course surveys the art of theatre. Students will learn about the process of creating theatre through study of the production process and the many artists who participate in the creation of theatre. Through videos and attendance at live theatre, students will also learn the various forms of theatre, such as tragedy and comedy and various modes of presentation, both presentational and representational. Students will also be introduced to theatre’s historic roots and its diversity as expressed in various cultures throughout the globe. This course contains a reading and writing component. This course partially satisfies the writing requirement of S.B. E. 6A-10.030. This class satisfies the General Education State Core Humanities requirement for AA degree seeking students. Prerequisite: Eligibility to enroll in ENC 1101 OR test scores that indicate ENC 1101 eligibility OR completion of appropriate college developmental courses for ENC 1101 with grades of “C” or higher OR completion of EAP coursework for ENC 1101 eligibility with grades of “C” or higher.</td>
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<tr>
<td>THE2925</td>
<td>Theatre Production and Performance</td>
<td>Fall, Spring</td>
<td>1.00</td>
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<td>Theatre Production and Performance is open to all students of the College and is required of all theatre majors and minors. Theatre Production and Performance presents major productions throughout the year. Students gain credit through performing roles and technical work. May be repeated for credit five times.</td>
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<td>THE2930</td>
<td>Selected Studies in Theatre</td>
<td>Offered as Needed</td>
<td>3.00</td>
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<td>In this course topics of current interest are presented in group instruction. This course may be taken four times for credit.</td>
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<tr>
<td>THE2941</td>
<td>Cooperative Education Internship in Theatre</td>
<td>Offered as Needed</td>
<td>1.00</td>
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<td>This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn cooperative education credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student’s academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student’s chosen major as identified in the student’s program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.</td>
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<tr>
<td>THE2942</td>
<td>Cooperative Education Internship in Theatre</td>
<td>Offered as Needed</td>
<td>2.00</td>
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<td>This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn cooperative education credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student’s academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student’s chosen major as identified in the student’s program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.</td>
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</table>
THE2949  Cooperative Education Internship in Theatre

Offered as Needed  3.00 Credits - 3.00 Hours

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn cooperative education credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student’s academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student’s chosen major as identified in the student’s program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

THE2950  Travel Study in Theatre

Offered as Needed  3.00 Credits - 3.00 Hours

This theatre travel study course combines preparation on campus, travel and study. Content is variable depending on the program in which the student enrolls and the specific topics to be covered. Students must be 18 years of age on or before departure.

TPA1200  Stagecraft I

Fall  3.00 Credits - 3.00 Hours

This course is an introduction to the methods, tools and materials of scenery construction and stage lighting. Students will receive extensive experience in the theatre scene shop. Additional lab hours will be required.

TPA1248  Theatrical Make-up

Offered as Needed  2.00 Credits - 3.00 Hours

This course covers study in the techniques of achieving a visual character through the application of stage make-up. The following make-up techniques are covered: straight, corrective, old-age, imaginative (clown and fantasy), three-dimensional (noses, warts, scars, wrinkling) and hair (beards, mustaches, eyebrows, sideburns). Lab fee required.

TPA2000  Introduction to Stage Design

Spring  3.00 Credits - 3.00 Hours

This course is an introduction to the design process as it relates to the theatre. It includes study in design principles, script analysis and stylistic considerations. Students will learn basic skills culminating in conceptualizing and developing a design project.

TPA2201  Technical Theatre Production

Fall  2.00 Credits - 3.00 Hours

This course is a study in the development, theory and practice of all areas of technical theatre production. Corequisite: TPA 2201L.

TPA2201L  Technical Theatre Production Lab

Fall  1.00 Credit - 3.00 Hours

This course covers practical projects in scenic construction. Students will receive extensive experience in the theatre scene shop. Corequisite: TPA 2201.

TPA2204  Stagecraft II

Spring  3.00 Credits - 3.00 Hours

This course is a continuation of the methods of fundamental stagecraft. Special emphasis on technical drawing and drafting for the stage as well as experience in the scene shop. Prerequisite: TPA 1200 or permission of dean.
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Offered</th>
<th>Credits</th>
<th>Hours</th>
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<tbody>
<tr>
<td>TPP1100</td>
<td>Acting I</td>
<td>Fall, Spring</td>
<td>3.00</td>
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<td>This course is an introduction to the principles</td>
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<td></td>
<td>of acting, including basic stage movement and</td>
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<td></td>
<td>theatre terminology. Work in the following areas</td>
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<td>will be studied: concentration, imagination,</td>
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<td>communication, improvisation, development of</td>
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<td>character, study of relationships and preparation</td>
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<td>for scene study.</td>
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<tr>
<td>TPP2111</td>
<td>Acting II</td>
<td>Spring</td>
<td>3.00</td>
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<td>This course is a continuation of skills taught</td>
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<td>in Acting I. Areas to be covered include</td>
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<td>exercises to develop the actor’s ability to</td>
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<td>interact with others, examination of</td>
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<td>the structure of the given circumstances of the</td>
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<td>text and its relationship to performance,</td>
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<td>continued work in character development,</td>
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<td>monologues and scene presentations and basic</td>
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<td>audition processes.</td>
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<td>Prerequisite: TPP 1100 or permission of dean.</td>
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<tr>
<td>TPP2300</td>
<td>Directing</td>
<td>Spring</td>
<td>3.00</td>
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<td>This course is an introduction to the art of</td>
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<td>directing in the theatre. Students will become</td>
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<td>aware of the responsibilities of the director in</td>
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<td></td>
<td>the areas of research and analysis, organization,</td>
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<td></td>
<td>blocking, coaching and communication. Students</td>
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<td></td>
<td>will direct actors in scenes.</td>
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<td>Prerequisite: THE 1020 or THE 1304.</td>
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<tr>
<td>TPP2700</td>
<td>Voice and Articulation I</td>
<td>Spring</td>
<td>2.00</td>
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<td>The major emphasis of this course is to help</td>
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<td></td>
<td>individuals develop, maintain and improve their</td>
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<td>voice production via the right use of breathing,</td>
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<td>pitch and force. The minor emphasis is to help</td>
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<td>improve articulation. This course is</td>
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<td></td>
<td>recommended for all public performers.</td>
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<tr>
<td>TPP2701</td>
<td>Voice and Articulation II</td>
<td>Spring</td>
<td>2.00</td>
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<td>This course is an application of techniques</td>
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<td></td>
<td>studied in Voice and Articulation I with</td>
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<td></td>
<td>emphasis on improving articulation and</td>
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<td>pronunciation. Consideration is given to an</td>
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<td>elementary study of phonetics. Prerequisite is</td>
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<td>TPP 2700.</td>
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<tr>
<td>TRA1154</td>
<td>Designing and Managing Supply Chain Systems</td>
<td>Fall, Spring, Summer</td>
<td>3.00</td>
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<td>This course presents an integrated approach to</td>
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<td>the design and management of activities and</td>
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<td>systems involved in the movement of goods and</td>
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<td>services from manufacturers and suppliers to</td>
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<td>consumers. Students learn the fundamentals of</td>
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<td>transportation, distribution, inventory,</td>
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<td>purchasing, logistics, warehousing and other</td>
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<td>topics related to the management of the supply</td>
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<td>chain in an electronic and traditional</td>
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<td>environment.</td>
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<tr>
<td>TRA2010</td>
<td>Transportation and Logistics</td>
<td>Fall, Spring, Summer</td>
<td>3.00</td>
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<td>This course deals with the role of logistics in</td>
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<td>the supply chain, the economy and the</td>
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<td>organization. Topics explored are customer</td>
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<td>service, logistics information systems,</td>
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<td>inventory management, materials management and</td>
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<td>supply chain management. The objective is to</td>
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<td>explore the full scope of the transportation</td>
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<td>plant and services as a necessary preparation to</td>
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<td>efficient use of the transportation system.</td>
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<tr>
<td>TRA2131</td>
<td>Purchasing Management</td>
<td>Fall, Spring, Summer</td>
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<td>This course covers the study of purchasing</td>
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<td>skills as they relate within supply chain</td>
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<td>management. The course will cover inventory</td>
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<td>control, purchase orders, the importance of</td>
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<td>documentation and purchasing procedures. The</td>
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<td>purchasing function will be examined.</td>
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within the context of public, non-profit and private sector organizations.

TRA2230  Warehouse Management

Fall, Spring, Summer  3.00 Credits - 3.00 Hours

This course is an introduction to the practical concepts of warehousing, including the types of equipment, storage processes and systems, the technologies used to identify and track units in a warehouse and the regulations designed to ensure safety in warehouse operations. The principles and processes of warehouse management are discussed within the greater context of the supply chain.

WOH1022  World History Since 1500

Offered as Needed  3.00 Credits - 3.00 Hours

Taking both a thematic and chronological approach, this course explores the ways in which peoples across the world have engaged, conflicted and cooperated with one another since 1500 CE. We will emphasize the ways in which individuals and groups have experienced and influenced larger historical trends, including exploration and colonization, the rise of capitalism and challenges to capital, decolonization and globalization. Throughout the semester, we will learn how historians create knowledge and practice historical thinking and skills.

WOH2232H  Honors Survey of Early Christianity

Fall, Spring, Summer  3.00 Credits - 3.00 Hours

This survey course traces the historical background and development of Christianity from the first century to the Medieval period. There is an emphasis on the Hebraic roots of Christianity, the political and social setting of Palestine during the time of Jesus of Nazareth and the problems involved in the so-called, “Quest for the Historical Jesus.” The missionary work of St. Paul is closely examined, as is emerging Christian doctrine between 100 and 500 C.E. Philosophical and spiritual alternatives to Christianity are also analyzed, as is Christianity’s relationship to the Roman and Byzantine Empires. Everyday life and forms of worship among Christians are studied, as is Christianity as a political institution. While matters of faith and doctrine are discussed, the course perspective is historical rather than religious. Honors level content. Permission required from the Honors
director. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisites or corequisites: ENC 1101 and must be an Honors program student.
Accreditation - Certification that the College has met established standards and is nationally recognized by appropriate accrediting agencies.

Add/Drop - A designated time period during which students can add or drop classes and make adjustments in their schedule without penalty or cost.

Adult Basic Education - Adult Basic Education classes are for individuals who need to improve basic reading, writing and language skills.

Adult Secondary - Adult secondary programs are for students who are older than 18 years of age and are seeking a high school diploma or a GED®.

Advanced Placement - Earning of college credits prior to enrollment (usually during high school) by passing certain examinations, such as those administered by the College Entrance Examination Board.

ACT - Formerly known as the American College Testing Program and nationally recognized achievement test, The ACT Assessment is designed to assess high school students’ general educational development and their ability to complete college-level work. The test covers four skill areas: English, mathematics, reading and science.

Articulation Agreement - Agreement between Florida’s public state colleges and universities assuring junior-level status to students who complete the state college general education and graduation requirements in university parallel (A.A. degree) programs.

Assessment - Initial testing and subsequent evaluation of students to aid in placement and progress in reading comprehension, writing, English, arithmetic and algebra.

Associate in Applied Science (A.A.S.) - Career or technical-focused degree designed for students who want to enter a specific employment field. A.A.S. degrees are not designed to transfer to a four-year institution.

Associate in Science (A.S.) Degree - Career education programs designed to allow students to immediately pursue careers which require a college degree at the technical or para-professional level. Some A.S. degrees transfer to a university.

Associate in Arts (A.A.) Degree - This degree is designed for transfer to a four-year institution. The equivalent of two years of full-time academic coursework at a state college plus two academic years at a university result in a student receiving a bachelor’s degree.

Audit - Credit classes taken for no credit. Usually used as a refresher course.

Bachelor of Applied Science (B.A.S.) Degree - A four-year, college credit degree program designed to prepare students for advancement within specific workforce sectors.

Bachelor of Science (B.S.) Degree - A four-year degree (typically 120 credit hours, with some exceptions) with a scientific emphasis.

Basic Abilities Test (BAT) - Per state mandate, effective 2000, the Florida Department of Law Enforcement (FDLE) requires the Basic Abilities entrance exam for criminal justice and law enforcement programs. Sixteen ability components, identified by FDLE as important for success in law enforcement training and job performance, are assessed with BAT. The Criminal Justice Basic Abilities Test (CJ-BAT) is approved for Law Enforcement programs and the Florida credentialing process. The Florida Basic Abilities Test (F-BAT) is approved for Correctional Officer training programs.

Career and Technical Programs - A.S. Degree, Applied Technology Diploma, Technical Certificate and Vocational Credit Certificate programs with courses
designed to prepare students for specialized occupations.

**Catalog in Force** - The catalog of the year when a student first enrolls provided the student has maintained continuous enrollment. Its graduation requirements can be followed for up to five years.

**Certificate of Professional Preparation (C.P.P.)** - A college credit certificate designed to prepare baccalaureate degree holders for licensure, certification, credentialing, examinations or other demonstrations of competency necessary for entry into professional occupations.

**Cooperative Education (Co-op)** - Method of earning credit for employment under special arrangements.

**College Credit Certificate** - College credit program of study designed to provide the basic professional courses of an occupation.

**College Level Academic Skills (CLAS)** - The state of Florida Legislature repealed the requirement to pass the “College Level Academic Skills Test” (CLAST) to be awarded an Associate in Arts degree effective July 1, 2009. However, the College Level Academic Skills (CLAS) requirements remain in effect. The CLAST is now called the CLAS requirements. What were termed “exemptions” are now the “requirements.”

**College Level Examination Program (CLEP)** - An acceleration method of earning college credit by exam, The College-Level Exam Program or CLEP provides students of any age with the opportunity to demonstrate college-level achievement through a program of exams in undergraduate college courses.

**College Night** - An evening for students, prospective students, families and friends to meet and visit with representatives of more than 100 colleges and universities. Usually held in early October.

**College-Preparatory/Developmental Courses** - A combination of placement testing and mandatory special courses designed to ensure that students have college-level reading, writing or math skills prior to attempting college-level courses.

**Common Prerequisites** - The State of Florida has identified Common Prerequisite courses for all university majors. These prerequisites must be completed by all students going into that field of study.

**Computerized Placement Test (CPT)** - The College uses ACCUPLACER, a Computerized Placement Test (CPT), to provide information on the student’s level of skill and accomplishment in reading, English and mathematics. The test is used to determine the appropriate placement in English, mathematics and reading courses.

**Continuing Education Unit (CEU)** - One CEU is awarded for every 10 contact hours of instruction in an organized continuing education, non-credit course.

**Continuing Workforce Education** - Courses and programs designed to provide skills and knowledge to students pursuing short-term career enhancement goals.

**Continuous Enrollment** - Unbroken enrollment in Fall and Spring terms.

**Corequisite** - A course required to be taken at the same time as another course.

**Course Load** - The number of credit hours being attempted. A full-time course load is 12 credit hours or more of course work in a 16-week term; six credit hours in a 12-week term such as the Summer Term.

**Credit-by-Examination** - The award of credit based on the demonstration of knowledge as assessed on an examination. Examples of this include Advanced Placement, International Baccalaureate, CLEP and DANTES programs.

**Credit Hour** - One credit represents one hour spent each week in class during a 16-week term. For example, a student enrolled in ENC 1101 (3 credits) spends approximately three hours weekly in 16 weeks of class.

**Cut-off Score** - State mandated minimum score level that must be met or exceeded for placement in college credit coursework.

**Defense Activity for Nontraditional Education Support (DANTES)** - DANTES Subject Standardized Test (DSST) is an accredited method of credit by exam. Prometric(R), makes the DSST Program available. College credit is awarded to those who
demonstrate knowledge comparable to someone who completed the course in a classroom.

**Degree Audit** - Formal list of courses completed and required to be completed to qualify for graduation. A degree audit is performed by the Registrar’s Office at the student’s request. A student should make such a request after successfully completing 40 semester hours and before their last term.

**Degree Seeking Students** - Students who have been admitted to a degree awarding program (A.A., A.S., B.S., or B.A.S.) or a college credit technical certificate program.

**Dual Enrollment** - Enrollment by a high school student in one or more courses that count for credit in both high school and college.

**Early Admissions** - An accelerated program for 12th grade high school students to earn both high school and college credits. Student must enroll in a minimum of 12 credit hours per term. Qualified students may enroll in courses based on placement testing and appropriate admissions requirements.

**eLearning (formerly known as distance learning)** - Video, online and mixed modality courses that are delivered via video and/or online and serve as an alternative to traditional, campus-based instruction.

**Elective** - Courses in excess of the general education requirement. In most cases, the course should relate to the student’s major. Consult with an academic advisor for more information.

**English for Academic Purposes (EAP)** - College credit English as a second language courses for non-native speakers of English.

**English for Speakers of Other Languages (ESOL)** - Courses for students who are speakers of languages other than English and who need to improve their basic English skills in reading, writing, grammar, listening and speaking.

**English Language Proficiency Assessment (ELPA)** - Generic term for any English language proficiency test for non-native speakers of English. See LOEP.

**Entry Assessment** - An evaluation of basic skills to determine course placement. Course placement may include college-preparatory and/or college-level courses. See CPT, ELPA, PERT, and LOEP.

**Exemption** - Test requirement is met with another acceptable requirement. The requirements are NOT waived but met with another ‘allowable’ requirement.

**Family Educational Rights and Privacy Act (FERPA)** - The Family Educational Rights and Privacy Act (FERPA) (20 U.S.C. S 1232g; 34 CFR Part 99) is a Federal law that protects the privacy of student education records. The law applies to all schools that receive funds under an applicable program of the U.S. Department of Education. FERPA gives parents certain rights with respect to their children’s education records. These rights transfer to the student when he or she reaches the age of 18 or attends a school beyond the high school level. Students to whom the rights have transferred are “eligible students.”

**Fee** - A financial charge for courses or services.

**Financial Aid Transcript** - Official record of financial aid funds received by a student. This is required of all students who transfer from another institution and apply for financial assistance.

**Florida Teacher Certification Examinations (FTCE)** - Florida Teacher Certification Examinations (FTCE) is the collective name for the Florida teacher certification tests which include the Professional Education Test (Pd), the General Knowledge Test (GK), and the Subject Area Examinations (SAE). Certification testing requirements for teacher candidates are described in Florida Statutes (FS), Chapter 1012 and Florida Administrative Code (FAC) 6A-4.0021.

**Florida Statutes** - A permanent collection of state laws organized by subject area into a code made up of titles, chapters, parts and sections. The Florida Statutes are updated annually by laws that create, amend or repeal statutory material. This includes the School Code Rewrite (selection of material in chapters 228-246 and creation of new code and chapters 1000-1013).

**First Time In College (FTIC)** - Term used to define first term of college enrollment following the attainment of a GED® or High School Diploma. This population of students is intricately tied to performance funding.
Foreign Language Requirement - A requirement of Florida’s state universities. Universities generally require two years of the same foreign language at the high school level or 8-10 credit hours at the state college level.

Full Cost of Instruction Fee - The amount, exclusive of state funding, established by the College to pay all costs associated with teaching a course.

Full-Time Student - Enrollment for 12 or more credit hours in Term I or II, six or more semester hours in Term IIIA or IIIB and other A or B terms.

General Education - Thirty-six credit hours of liberal arts courses required in university parallel, A.A. Degree programs, as well as B.S. and B.A.S. programs. Fewer General Education credit hours are required in A.S. Degree programs.

General Educational Diploma (GED*) - The State of Florida awards the equivalent of a high school diploma for students who pass all categories of a GED* test. The GED* program consists of courses that prepare students to take the GED* test.

General Knowledge Test (GK) - State mandate effective July 1, 2002, the Florida Teacher Certification Exams (FTCE) requires passing the General Knowledge Test for Florida teacher certification. The GK is a basic skills achievement test.

Gordon Rule - State Board of Education (SBE) Rule 6A-10.030, also known as the Gordon Rule, requires students graduating with an A.A. Degree to meet specific requirements in the areas of writing and mathematics. Satisfactory completion of this rule requires that a student earn a grade of "C" or higher in each applicable course.

Grade - Alphabetical measures of academic success ranging from excellent (A) to failure (F).

Grade Forgiveness Policy - The Grade Forgiveness Policy permits students to repeat a course in an attempt to improve a grade. Repeating a course is permissible only for courses in which a student earned a "D" or an "F." A student will be limited to two repeats per course. Upon a third attempt, the grade issued will be the final grade for that course.

Grade Point Average (GPA) - A measure of the student’s scholastic standing obtained by dividing the total number of grade points earned by the total number of credit hours attempted.

Grade Points - A numerical value assigned to each grade for the purpose of computing grade point average (GPA).

Graduation Application - The application a student must file in the Records and Registration Office to be awarded a degree. This application must be submitted by the deadline date listed on the College Calendar.

Grant - Funds which do not require repayment awarded for college expenses to qualified students in financial need.

Independent Study - Capable students may acquire course credits at their own pace through non-classroom, student-faculty interaction. An additional fee is charged. Special permission is required.

International Student - A student who has entered the United States on a non-immigrant visa, most often an individual on a student visa. Immigrants, refugees and U.S. citizens who do not speak English as a native language are not classified as international students.

Institutional Credit (E.P.I.) - A competency-based program that provides baccalaureate degree holders in a field other than education the opportunity to become certified K-12 teachers.

Institutional Testing Administrator (ITA) - One ITA is appointed in each participating institution. This person coordinates and directs the administration of a specified examination.

Learning Community - Courses that are thematically linked and integrated across different subjects or disciplines with the purpose of enhancing student learning and success. Typically students are concurrently enrolled in two or more courses, and they participate in group study sessions, career exploration, community service and personal/professional development activities.

Levels of English Proficiency (LOEP) - A test designed to determine the English ability of students whose native language is not English.
**Limited-Access Programs** - Some specialized programs are regularly identified as limited-access. They have additional admission criteria and the number of students who may enter the program is limited. Limited-access programs may have specific enrollment eligibility requirements imposed because of the following: (a) physical facility limitations; or (b) state licensure rules and regulations established and implemented pursuant to laws, rules and regulations over which the College has no discretionary authority. Limited-access program students are selected for admission to these programs based upon Equal Access/Equal Opportunity standards, past student performance, current academic performance and continuing academic potential.

**National College Testing Association (NCTA)** - The National College Testing Association (NCTA) is an organization of testing professionals in post-secondary institutions and testing companies focusing on issues relating to professional standards, test administration, test development, test scoring and assessment.

**Non-credit** - A course for which college credit is not granted.

**Non-Degree Seeking Students** - Students wishing to earn college credit for self-enrichment, teacher certification or transfer to another college.

**Online Courses** - Courses offered in an online instructional format using the College’s Learning Management System.

**Orientation** - Prior to registering for courses, new students must participate in an online student orientation session and advising appointment.

**Part-Time Student** - Students enrolled in a total of six to eleven credit hours in any term.

**Postsecondary Adult Vocational (PSAV)** - Career training programs for students planning to enter vocational and technical career fields which do not require a degree.

**Postsecondary Education Readiness Test (PERT)** - The College uses the Postsecondary Education Readiness Test to provide information on the student’s level of skill and accomplishment in reading, English and mathematics. The test is used to determine the appropriate placement in English, mathematics and reading courses.

**Prep Exit Exam** - Also known as the Florida College Basic Skills Exit Test, this state-mandated test is administered to students completing college preparatory coursework. Students must pass this exam prior to enrollment in college credit general education, English or mathematics courses that apply to degree requirements.

**Prerequisite** - A course or placement score requirement that must be satisfactorily completed before taking the next higher level in a related course.

**Probation** - A status given to students who fail to maintain satisfactory academic progress.

**Provisional Student** - A student who has not met all necessary requirements for admission and, thus, has restrictions on the courses that may be taken.

**Quality Points** - The value, ranging from 4 to 0, for grades from A to F for all courses completed, used in determining a grade point average. (Also see GPA.)

**Registration** - The process of enrolling for courses. May be accomplished in person or online. Non-credit registrations can also be completed by fax or mail.


**Reserve Officers Training Corps (ROTC)** - ROTC programs are offered at the University of Central Florida. Students may, through cross- or dual-enrollment, earn college ROTC credit and degree credit.

**Residency** - To qualify for in-state fees, students must sign a notarized statement confirming that they have
resided in Florida 12 consecutive calendar months prior to the start of classes for the term in which they wish to enroll.

**Restricted Access Programs** - Some specialized programs are designated restricted access. They have additional admission criteria established and implemented related to past student performance, current academic performance and/or continuing academic potential. Equal Access/Equal Opportunity standards also apply to admission to restricted access programs.

**Scholastic Aptitude Test (SAT)** - A nationally recognized college aptitude test, it was renamed the SAT I: Reasoning Test in 1993. The assessment is designed to predict student readiness for college work.

**Student Transition and Academic Resources (STAR) Center** - Located on the Altamonte Springs and Sanford/Lake Mary campuses, STAR offers student assistance in Vocational Preparatory Instruction (VPI) for certificate seeking students needing remediation, professional tutoring and test preparation material.

**State Board of Education (SBE)** - Florida’s state education governing body.

**Student Course Load** - Number of credit hours carried by a student each term.

**Student Government Association (SGA)** - Official representatives of the student body to the administration in matters concerning student life.

**Student Life** - The office responsible for coordinating social, cultural, intellectual, recreational, leadership, group development, campus and community service projects, lectures and concert programs and advising for student organizations.

**Student Support Services** - Support, advising, assessment, tutoring and other services provided to students who are qualified due to educational, economic, cultural, verbal or physical disadvantage. A federally funded program.

**Suspension** - Student status under which a student is not permitted to attend college for a specific period of time.

**Term** - Time period during which classes meet. Fall and Spring terms are approximately 16 weeks. Summer term is 12 weeks. A three-credit course meets approximately 45 hours during a term.

**Test of Adult Basic Education (TABE)** - Complete Battery Level 9 or 10 (and Complete Battery Level 7 or 8 until no longer supported by the publisher) is an academic assessment used in postsecondary vocational certificate programs and additionally used for admission purposes in some Health Sciences Programs. The State Board of Education mandates program exit requirements for vocational certificate programs in excess of 450 clock hours.

**Test of Essential Academic Skills (TEAS)** - TEAS replaces the NET and HOBET test used for Admission Points to some limited-access Health Sciences Programs. The Test of Essential Academic Skills (TEAS) is a multiple choice test designed to determine the academic readiness of applicants to post-secondary education programs. It is used to evaluate the academic preparedness of students entering some Health Sciences Programs. The TEAS contains four subtests: Math, Science, English and Reading.

**Transcript** - A student’s official academic record of college courses, grades, biographical and test data.

**Transfer Student** - A student who attended a college or university before coming to the present institution.

**Transient Student** - One who attends a few classes at one educational institution to complete degree requirements at another institution. A transient student letter from the host institution must accompany the student at the time of registration.

**Tuition** - Financial charge for each credit hour of instruction.

**University Parallel Program** - Courses of study leading to the A.A. degree which parallel the lower-division requirements of a bachelor’s degree.

**Vocational Credit** - Vocational Credit is different from college credit. It does not transfer to other colleges and universities and is not applicable to college credit certificates or degrees. Accumulation of vocational credits in a specific area may result in a Postsecondary Adult Vocational (PSAV) Certificate. Thirty clock-hours of instruction equal one vocational credit. Fees for
vocational credit courses are charged on the basis of vocational credit.

Waiver - Requirement waived typically due to a learning disability. The requirement is not exempted but is waived.

Weekend College - Classes offered Friday evening, Saturday or Sunday.

Withdrawal - A student can withdraw (by completion of proper forms) from any course in a term by the established date. Withdrawals after that date will be granted only through established institutional procedures. A student will be limited to two withdrawals per course. Upon the third attempt, the student will not be permitted to withdraw and will receive a grade for that course.
### Administration, Full-Time Faculty and Staff

<table>
<thead>
<tr>
<th>Name</th>
<th>Title/Position</th>
<th>Degree 1</th>
<th>Degree 2</th>
<th>Degree 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Abel, Marguerite</td>
<td>Professor, Nursing</td>
<td>B.S.N. - University of Pittsburgh</td>
<td>M.S. - California State University-Los Angeles</td>
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</tr>
<tr>
<td>Acajbon, Lily</td>
<td>Professor, Foreign Language</td>
<td>B.A. - University of Central Florida</td>
<td>M.A. - University of Central Florida</td>
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<tr>
<td>Ackerman, Victoria</td>
<td>Professor, Digital Media</td>
<td>A.A. - Seminole State College</td>
<td>A.S. - University of Central Florida</td>
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<tr>
<td>Acosta, Pilar</td>
<td>Associate Vice President, Information Technology and Resources</td>
<td>B.S. - Boston College</td>
<td>M.S. - University of Central Florida</td>
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<tr>
<td>Adame-Smith, Angela</td>
<td>Assistant Director, International Students and Dual Enrollment</td>
<td>B.S. - Southern Connecticut State University</td>
<td>M.Ed. - Capella University</td>
<td>Ph.D. - Capella University</td>
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<tr>
<td>Agocs, Angela</td>
<td>Professor, Mathematics</td>
<td>B.S. - University of Szeged</td>
<td>M.S. - University of Szeged</td>
<td>M.B.A. - University of Central Florida</td>
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<tr>
<td>Agustin, Sofronio</td>
<td>Professor, Biological Science</td>
<td>B.S. - Divine Word Univ. of Tacloban</td>
<td>M.S. - University of Lowell</td>
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<tr>
<td>Aiken-McDonald, Angela</td>
<td>Professor, ABE/GED</td>
<td>B.A. - City University New York Bernard Baruch College</td>
<td>M.S.Ed. - St. John’s University</td>
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<tr>
<td>Akil, Hatem</td>
<td>Director, Read to Succeed QEP</td>
<td>Ph.D. - University of Central Florida</td>
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<tr>
<td>Akram-Scales, Saba</td>
<td>Assistant Director, Disability Support Services</td>
<td>A.A. - University of Central Florida</td>
<td>B.S. - University of Central Florida</td>
<td>M.A. - University of Central Florida</td>
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<tr>
<td>Albritton, Frankie</td>
<td>Professor, Social Sciences</td>
<td>B.S. - University of Florida</td>
<td>M.A. - University of Central Florida</td>
<td>Ed.D. - University of Central Florida</td>
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<tr>
<td>Allen, Kimberly</td>
<td>Interim Manager, PR Media Relations and Institutional Communications</td>
<td>B.A. - University of Central Florida</td>
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<tr>
<td>Allison, Wendy</td>
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<td>M.A. - University of Michigan</td>
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<tr>
<td>Amato, Roseann</td>
<td>Director, Student Financial Resources</td>
<td>B.S. - University of Central Florida</td>
<td>M.P.A. - University of Central Florida</td>
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<td>Artiaga, Michael</td>
<td>Professor, Communication</td>
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<td>M.A. - University of New Mexico</td>
<td>J.D. - University of Kansas</td>
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<tr>
<td>Ashby, Mae</td>
<td>Associate Vice President, Human Resources</td>
<td>B.A. - Penn State York</td>
<td>M.A. - Rollins College</td>
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<tr>
<td>Askins, Jon</td>
<td>Assistant Director of Campus Safety and Security</td>
<td>FL SOL - FL Dept of Agri &amp; Consumer</td>
<td>A.A. - Columbia College of Missouri</td>
<td>B.A. - Columbia College of Missouri</td>
</tr>
<tr>
<td>Ayiku, Moses</td>
<td>Manager, Small Business Development Center</td>
<td>B.A. - University of Ghana</td>
<td>M.S. - University of Ghana</td>
<td>M.B.A. - Rutgers The State University of New Jersey</td>
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<tr>
<td>Bachand, Paul</td>
<td>Senior Systems Analyst</td>
<td>B.A. - Bridgewater State College</td>
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<tr>
<td>Baker, Carissa</td>
<td>Professor, English</td>
<td>B.A. - Chapman University</td>
<td>M.A. - University of Central Florida</td>
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<tr>
<td>Balanoff, Janet</td>
<td>Associate Vice President, Equity and Diversity/Title IX Coordinator</td>
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<tr>
<td>Banta, Christine</td>
<td>Professor, Nursing</td>
<td>B.A. - University of Central Florida</td>
<td>M.A. - University of Central Florida</td>
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<tr>
<td>Barr, Deborah</td>
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<td>Ph.D. - Duke University</td>
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</tr>
<tr>
<td>Beehner, Christopher</td>
<td>Professor, BS Business Information Management</td>
<td>B.S. - University of Central Florida</td>
<td>M.P.A. - City University of Seattle</td>
<td>D.B.A. - Northcentral University</td>
</tr>
<tr>
<td>Behrens, Chris</td>
<td>Director, Foundation Finance and Operations</td>
<td>B.S. - Montclair State University</td>
<td>M.B.A. - Fairleigh Dickinson University</td>
<td></td>
</tr>
<tr>
<td>Bell, Bobbie</td>
<td>Professor, Humanities and Languages</td>
<td>B.F.A. - Kent State University</td>
<td>M.A. - Kent State University</td>
<td></td>
</tr>
</tbody>
</table>
Bell, Susan
Professor, Social Sciences
- B.S. - American University
- M.A. - Duke University
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Manager, Employee Benefits  
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Way, Graciela  
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Weaver, Margo  
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- M.A. - Webster University

Wells, Marilyn  
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Wenzel, Diana  
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Wernher, Timothy  
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- M.S. - University of Central Florida

Werner, John  
Professor, Physical Sciences  
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- Ph.D. - University of Illinois Urbana

Wert, Robert  
Web/Mobile User Experience/User Interface (UX/UI) Designer  
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Wilda, Joseph  
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Williams, Holly  
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Williams, Lina  
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Wimberly, Eddie  
Senior Systems Administrator  
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Supervisor, Academic Success Center  
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- M.A. - Rollins College
Woodson, Michael  
Manager, Adult Education  
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Wynn, Vanessa  
Professor, Adult High School  
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- M.S. - Walden University

Yanni, Molly  
Dean, Health Professions  
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- M.S. - University of Florida  
- Ed.D. - University of Central Florida

Yorty, Patricia  
Professor, Nursing  
- B.S. - University of Southern Mississippi  
- M.S. - University of Southern Mississippi

Zanders, Fredrick  
Lead Computer Operator

Zaprir, Orli  
Professor, Sociology  
- B.A. - University of Florida  
- M.A. - University of Florida

Zimmerman, Steven  
Professor, Mathematics  
- A.A. - Seminole State College  
- B.S. - University of Central Florida  
- M.S. - University of Central Florida
# Adjunct Faculty

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<th>Name</th>
<th>Degree(s)</th>
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<td>Abdallah, Maya</td>
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<td>▪ Adjunct Professor, English as a Second Language</td>
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<td>Ahmad, Saadia</td>
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<td>Alcala, Adan</td>
<td>▪ Adjunct Professor, Mathematics</td>
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Bartha, Dezso  
Adjunct Professor, Humanities  
- B.A. - University of Central Florida  
- M.A. - University of Central Florida

Bascombe, Nadine  
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Basil, Eric  
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- M.Ed. - Bowling Green State University

Bazanta, Devon  
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- M.A. - University of Nebraska-Lincoln

Beavers, Michael  
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Beckles, Lloyd  
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Beckstrom, Gustavus  
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- M.Ed. - Ball State University

Bell, Willie  
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- B.S. - Strayer College  
- MIT - Strayer University

Bennett, Jacquelyn  
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- M.F.A. - University of Central Florida

Berry, Landon  
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- M.A. - Eastern Kentucky University

Bethea, Michael  
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Bianco, Raffaele  
Adjunct Professor, Mathematics  
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- M.A. - University of Central Florida

Billette, Stefanie  
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- M.S. - University of Florida

Bindra, Satwinder  
- M.S. - Chamberlain College of Nursing - Addison

Birk, Michael  
Adjunct Professor, Social Sciences  
- B.A. - Auburn University at Montgomery  
- M.A. - Auburn University at Montgomery

Bitar, Susan  
- A.A. - Purdue University North Central  
- B.S. - College of Saint Francis  
- M.S.N. - University of Phoenix  
- M.S. - College of Saint Scholastica

Bizar, Pamela  
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Blake, Shaulene  
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- B.A. - University of Florida  
- M.B.A. - Everest University  
- M.A. - University of Central Florida

Blanchette, Eric  
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- M.S. - Barry University

Bluge, Dennis  
Adjunct Professor, Biological Science  
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Bogart, Lisa  
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- M.S. - Walden University

Bogdany, Bert  
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- M.F.A. - University of Central Florida

Bolton, Christopher  
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Bork, Melissa  
Adjunct Professor, Honors  
- B.A. - Carson-Newman College  
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Boston, Kevin  
Adjunct Professor, Humanities  
- MHum - Tiffin University

Bowden, Donna  
Adjunct Professor, Biological Science  
- B.S. - University of Florida  
- D.D.S. - University of Florida

Bowen, Daniel  
- A.S. - Seminole State College  
- B.A. - Warner University  
- M.S. - Jacksonville State University

Boyd, Jeremy  
Adjunct Professor, Communication  
- B.S. - University of Florida  
- M.A. - University of Central Florida
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<td>Adjunct Professor, Communication</td>
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<td>Bubriski, Jean</td>
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<td>Butts, Brian</td>
<td>Adjunct Professor, Physical Sciences</td>
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<td>Campbell, Leonie</td>
<td>Adjunct Professor, College Prep Reading</td>
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<td>Adjunct Professor, Criminal Justice</td>
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<td>Carlie, Joanna</td>
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<td>B.S.N. - Florida Agricultural and Mechanical University</td>
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<td>Carlos, Paige</td>
<td>Adjunct Professor, Legal Studies</td>
<td>J.D. - Florida Agricultural and Mechanical University</td>
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<td>Carlson, Deanna</td>
<td>Adjunct Professor, Nursing</td>
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<td>Carmack, Bonnie</td>
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<td>Carter, David</td>
<td>Adjunct Professor, Adult High School</td>
<td>A.A. - Valencia Community College, B.A. - Rollins College, M.A. - University of Central Florida</td>
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<td>Castlen, Robert</td>
<td>Adjunct Professor, Emergency Medical Services</td>
<td>B.S. - Everest University, M.B.A. - Everest University, M.S. - University of Phoenix</td>
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<td>Cassetta, Joseph</td>
<td>Adjunct Professor, Fire Science</td>
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<td>Chaaban, Bassem</td>
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<td>Crutchfield, Verna</td>
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<td>Daily, Christopher</td>
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<td>Daly, David</td>
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<td>Dana, Edgar</td>
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<td>Daniels, Tiffany</td>
<td>Adjunct Professor, Psychology</td>
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<td>B.S. - Ball State University</td>
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<tr>
<td>Davila, Carol</td>
<td>Adjunct Professor, Biology Science</td>
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<tr>
<td>Davila, Samuel</td>
<td>Adjunct Professor, Social Sciences</td>
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<tr>
<td></td>
<td>B.S. - Embry-Riddle Aeronautical University</td>
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<td>M.S. - University of Arkansas System Office</td>
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Adjunct Professor, Biological Science
- A.A. - Seminole State College
- B.S. - University of Central Florida
- M.S. - University of Central Florida

Lisle, Evon
Adjunct Professor, ABE/GED
- B.S. - Florida State University
- M.Ed. - University of Central Florida
- Ed.D. - University of Central Florida

Littleton, William
Adjunct Professor, Emergency Medical Services
- A.S. - Seminole State College

Livingston, Jane
Adjunct Professor, Nursing
- B.S. - University of North Florida

Lopez, Marjorie
- B.S. - Chamberlain College of Nursing - Addison
- M.S. - Grand Canyon University

Lott, Richard
Adjunct Professor, Physical Sciences
- B.A. - University of South Florida
- M.S. - University of Central Florida

Love, Carey
Adjunct Professor, Criminal Justice
- B.S. - Stetson University

Love, Shane
Adjunct Professor, Criminal Justice

Lowry, Starla
Adjunct Professor, Nursing
- B.S.N. - University of Central Florida
- M.S.N. - University of Central Florida

Loyal, Michael
Adjunct Professor, Health Sciences
- M.A. - Webster University
- Ph.D. - University of Central Florida

Luse, William
Adjunct Professor, English
- B.A. - University of Florida
- M.A. - University of Florida

Lynch, Carl
Adjunct Professor, Apprenticeship-FEAT

Lyon, John
Adjunct Professor, Criminal Justice
- A.A. - Florida State College at Jacksonville
- B.S. - Florida State University

Maciuunas, Billie
Adjunct Professor, English
- B.A. - Brown University
- M.A. - University of North Carolina at Chapel Hill
- Ph.D. - University of North Carolina at Chapel Hill

Mainelli, Michael
Adjunct Professor, Entrepreneurship
- B.S. - Northeastern University
- M.B.A. - University of Chicago
- M.E. - University of Pennsylvania

Mallan-King, Jaclyn
Adjunct Professor, English
- B.A. - University of Central Florida
- M.A. - University of Central Florida

Malm, Nelda
Adjunct Professor, Health Professions
- A.A. - Florida State University
- B.S. - Florida State University
- M.S. - Florida State University
- Ed.D. - University of Central Florida
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| Mancas, Kim           | Adjunct Professor, Biological Science | - ■ B.S. - University of Central Florida  
                        |                      | - ■ M.S. - University of Central Florida                                  |
| Maniccia, Shelby      | Adjunct Professor, Psychology      | - ■ M.A. - University of Central Florida                                 |
| Manning, Patrick      | Adjunct Professor, Plumbing-PIPE    |                                                                         |
| Marano, Alexis        | Adjunct Professor, Nursing         | - ■ B.S.N. - University of Central Florida  
                        |                      | - ■ M.S.N. - University of Central Florida                                 |
| Marshall, Harvey      | Adjunct Professor, Mathematics     | - ■ A.A. - Valencia Community College  
                        |                      | - ■ B.A. - New College of Florida                                           |
| Martin, John          | Adjunct Professor, Criminal Justice | - ■ B.A. - University of Central Florida                                 |
| Martin, Peg           | Adjunct Professor, Office Systems   | - ■ B.S. - National-Louis University  
                        |                      | - ■ M.B.A. - Regis University                                               |
| Martin, Tamra         | Adjunct Professor, English         | - ■ B.A. - University of Central Florida  
                        |                      | - ■ B.A. - University of Central Florida                                   |
| Martinez, Maurice     | Adjunct Professor, History         | - ■ B.A. - City University of New York Herbert H. Lehman College  
                        |                      | - ■ M.A. - Old Dominion University                                          |
| Martinez, Raymond     | Adjunct Professor, Computer Programming and Analysis | - ■ B.A. - Ashford University  
                        |                      | - ■ M.B.A. - Ashford University                                             |
| Mason, Christopher    |                                     | - ■ A.A. - Valencia Community College  
                        |                      | - ■ B.A. - University of Central Florida                                   |
| Massa, Susan          | Adjunct Professor, Nursing         | - ■ B.S. - University of Central Florida                                 |
| Masters, Brian        |                                     | - ■ A.A. - Seminole State College                                        |
| Masterson, Anne       | Adjunct Professor, Early Childhood Education | - ■ M.Ed. - National-Louis University                                 |
| Matlock, Debra        | Adjunct Professor, Mathematics     | - ■ B.S. - University of Oklahoma                                         |
| Matos, Lorraine       | Adjunct Professor, Computer Applications | - ■ M.S. - Nova Southeastern University                                |
| Matos, Pablo          | Adjunct Professor, Mathematics     | - ■ B.A. - University of the Sacred Heart  
                        |                      | - ■ M.S. - University of Central Florida                                   |
| Mattingly, Maria Teresa| Adjunct Professor, English as a Second Language | - ■ B.A. - Lyceum of the Philippines University  
                        |                      | - ■ M.A. - University of Central Florida                                   |
| Mc Kinley, Dustine    | Adjunct Professor, Nursing         | - ■ M.S.N. - University of Central Florida                               |
| Mcadam, Lawrence      | Adjunct Professor, Physical Sciences | - ■ B.S. - State University of New York College at Oswego  
                        |                      | - ■ M.Ed. - University of Florida                                          |
| Mcauley, Keith        | Adjunct Professor, Education       | - ■ B.A. - University of Central Florida                                 |
| McBean, Charmaine     | Adjunct Professor, Nursing         | - ■ B.S.N. - Florida Southern College  
                        |                      | - ■ M.S. - Florida Southern College                                        |
| McBride, Dianna       | Adjunct Professor, Humanities      | - ■ B.A. - University of South Florida  
                        |                      | - ■ M.A. - University of Central Florida                                   |
| McCallister, Gretchen | Adjunct Professor, Early Childhood Education | - ■ B.S. - State University of New York at Fredonia  
                        |                      | - ■ M.Ed. - University of Central Florida                                   |
| McCluskey, Erin       | Adjunct Professor, Humanities      | - ■ B.S. - University of Central Florida                                 |
| Mccomie, Garvin       | Adjunct Professor, Criminal Justice | - ■ B.S. - University of Central Florida                                 |
| McDaniel, Chad        | Adjunct Professor, Criminal Justice |                                                                         |
| McDowell, Lisa        | Adjunct Professor, Criminal Justice | - ■ B.S. - University of South Florida  
                        |                      | - ■ M.S. - South University                                                |
| Mcelyea, John         | Adjunct Professor, Criminal Justice |                                                                         |
| McFarland, Jacqueline | Adjunct Professor, Humanities      | - ■ M.A. - University of Central Florida                                 |
| McGlynn, Christine    | Adjunct Professor, Education       | - ■ B.A. - University of Florida                                         |
| McGuire, Maureen      | Adjunct Professor, Humanities      | - ■ M.A. - University of South Florida                                   |
| Mcintosh, Stephanie   | Adjunct Professor, Clinical Respiratory Care | - ■ A.S. - Seminole State College  
                        |                      | - ■ B.S. - Valencia Community College                                     |
| Mckay, Meredith       | Adjunct Professor, Criminal Justice | - ■ A.A. - Seminole State College                                        |
| Mckeychine, Norval    | Adjunct Professor, English         | - ■ A.B. - University of Detroit                                         |

Catalog Year 2017-18  Page 614  Generated on 12/14/2017
Adjunct Faculty

McAlain, Silvia
- A.A. - Miami Dade College
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- J.D. - Nova Southeastern University

McLaughlin, Daniel
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- M.A. - Arizona State University

McLaughlin, Janice
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- M.S. - Alderson Broaddus University

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- M.B.A. - University of Central Florida
- M.S. - University of Central Florida

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- M.S. - Old Dominion University

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- M.S. - University of Central Florida

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- M.A. - University of Central Florida

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- M.A. - University of Central Florida

Monahan, James
- A.S. - Seminole State College

Monico, Vincent
- B.F.A. - Maryland Institute College Of Art

Montgomery Jr., Anthony
- B.S. - University of Florida
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<td>Morgan</td>
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<td>Mori</td>
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<td>B.A. - Penn State York</td>
<td>English as a Second Language</td>
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<td>Christina</td>
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<td>David</td>
<td>M.A. - University of Central Florida</td>
<td>History</td>
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<td>Mutugai</td>
<td>Sharon</td>
<td>B.S. - Hillsdale College</td>
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<td>Odom</td>
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<td>M.S. - University of Central Florida</td>
<td>Engineering Graphics and CAD</td>
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<td>Ofoosu</td>
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<td>M.S. - Florida State University</td>
<td>Architectural Engineering Technology</td>
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<td>M.S. - Central Connecticut State University</td>
<td>Engineering Graphics and CAD</td>
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</tbody>
</table>
Omar, Rami
Adjunct Professor, Management and HR
- M.A. - Webster University

Osorio, Javier
- M.B.A. - University of Central Florida

Ostrowsky-Leonard, Leigh
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- D.C. - Life College

Parris, Russell
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Parsons, Michele
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- Ph.D. - University of Central Florida

Patterson, Crystal
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Patterson, Shelley
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- B.S. - University of Washington
- M.A. - University of Central Florida

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- A.A. - Seminole State College
- B.A. - University of Central Florida
- M.Ed. - University of Central Florida

Perdue, Wanda
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- M.S. - Troy University

Perez, Lindsey
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- B.A.R. - University of Kansas
- M.Arch. - University of Kansas

Permaul, Vanessa
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- M.S. - University of Central Florida

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