COLLEGE OF CENTRAL FLORIDA

2012-2013 Catalog

Citrus Campus
3800 S. Lecanto Highway
Lecanto, FL 34461-9026
352-746-6721
Fax: 352-249-1218

Ocala Campus
3001 S.W. College Road
Ocala, FL 34474-4415
352-237-2111 or 352-873-5800
Fax: 352-291-4450
TDD: 352-873-5854

Levy Center
114 Rodgers Blvd.
Chiefland, FL 32626-1420
352-493-9533
Fax: 352-493-9994

Hampton Center
1501 W. Silver Springs Blvd.
Ocala, FL 34475-6456
352-873-5881
Fax: 352-873-5887

Appleton Museum of Art,
College of Central Florida
4333 E. Silver Springs Blvd.
Ocala, FL 34470-5001
352-291-4455
Fax: 352-291-4460

Website: www.CF.edu
Table of Contents

About College of Central Florida .............................................. 4
Vision Statement ..................................................................... 4
Mission Statement .................................................................. 4
Guiding Principles and Major Directions ................................. 4
Board of Trustees ................................................................... 4
President’s Message ............................................................... 5
College Calendar .................................................................... 6
Hours of Operation ............................................................... 10
Accreditation and Memberships ............................................. 14
History .................................................................................. 14
Administration ....................................................................... 15
Educational Programs and Services ....................................... 15
CF University Center ............................................................ 16
Citrus Campus ........................................................................ 16
Hampton Center ...................................................................... 17
Levy Center ............................................................................ 17
Appleton Museum of Art ........................................................ 17
Important Information for Students, Employees and Guests 18

Admissions and Registration .................................................. 20
Admissions Philosophy .......................................................... 20
General Institutional Admissions Requirements ........................ 20
Special Requirements ............................................................ 23
Residency Requirements ....................................................... 24
Workforce Admissions Procedure ......................................... 26
Testing Information ............................................................... 27
Credit By Examination .......................................................... 28
Registration ............................................................................ 37
Scheduling of Classes ............................................................ 38

General Information ............................................................... 40
Learning Theme at CF ........................................................... 40
Focus: Student Development Learning Outcomes .................... 40
CF Foundation ...................................................................... 40
ID Cards ............................................................................... 47
Lost and Found ...................................................................... 47
Parking .................................................................................. 47
Religious Holiday Observance .............................................. 47
Sexual Offenders on Campus ................................................ 47
Admission and Readmission of Students with a Violent Criminal Record ......................................................... 48
Student Privacy ...................................................................... 48
Social Security Number Collection, Usage and Release .......... 48
CF Transcripts ...................................................................... 49
Veterans Information ............................................................. 49
AIDS and Bloodborne Pathogens ........................................... 50
Drug-Free Campus and Workplace ....................................... 50
Campus Environment ........................................................... 51
Hepatitis B/Meningitis Awareness ........................................ 51

Academic Information ........................................................... 52
Academic Requirements ....................................................... 52
CF Institutional Learning Outcomes ...................................... 52
General Education Common Core ........................................ 52
Associate in Arts Degree Requirements ................................. 53
General Education Course Requirement ............................... 54
General Electives ................................................................. 56
College Preparatory Program — Academic Foundations .......... 58
Associate in Arts Guarantees ............................................... 59
Associate in Science Degree Requirements ............................ 60
Baccalaureate Degree Requirements ..................................... 61
Academic Progress .............................................................. 61
Attendance Policy ................................................................. 64
Grading System ..................................................................... 64
Graduation ............................................................................. 67
Honors Programs ................................................................. 68
Honors Recognition ............................................................. 68
Financial Information ............................................................ 69
Fees and Refunds ................................................................. 69
Special Fees and Charges ..................................................... 70
Student Financial Aid ............................................................ 80
Financial Aid Programs Available ........................................ 83
College Resources ............................................................... 88
Programs .............................................................................. 88
Services ................................................................................ 88

Programs of Study ............................................................... 94
Associate in Arts Degree ....................................................... 94
Associate in Science Degree, Applied Technology Diploma, College Credit Certificate and Postsecondary Adult Vocational Certificate Programs ................................................. 94
Florida Education and Training Placement Information
  Program and Gainful Employment Data ................................. 94
  Alternative Certification Program ......................................... 94
  Accounting Technology ....................................................... 96
  Accounting Technology Management ................................ 97
  Agribusiness Management — Horticulture/Equine Specialization ................................................................. 97
  Automotive Service Management Technology .................. 98
  Business Administration ..................................................... 98
  Business Management — Event Planning ......................... 102
  Computer Information Technology .................................... 102
  Criminal Justice Technology .............................................. 104
  Dental Assisting Technology and Management ................ 104
  Drafting and Design Technology ....................................... 105
  Early Childhood Education .............................................. 107
  Emergency Medical Services .......................................... 108
  Engineering Technology .................................................... 110
  Equine Studies ................................................................... 111
  Fire Science Technology ................................................... 113
  Health Information Technology ........................................ 114
  Landscape and Horticulture Technology ............................ 114
Nursing ............................................................ 116
Office Administration ........................................... 119
Paralegal .......................................................... 122
Physical Therapist Assistant ................................. 123
Radiography (In Cooperation with CTAE) .............. 124

Applied Technology Diploma ............................... 125
Dental Assisting ............................................... 125

Postsecondary Adult Vocational Certificate Programs (PSAV) 126
Air Conditioning, Refrigeration and Heating Technology . 126
Automotive Collision Repair and Refinishing ........... 126
Automotive Service Technology ............................ 127
Barbering ....................................................... 127
Commercial Vehicle Driving ................................ 128
Correctional Officer ........................................... 128
Cosmetology .................................................. 129
Law Enforcement Officer .................................... 129
Practical Nursing ............................................. 130
Surgical Technology .......................................... 131
Applied Welding Technologies ............................. 131

Baccalaureate Degrees ........................................ 132
Bachelor of Applied Science in Business and Organizational Management ................. 132
Bachelor of Science in Early Childhood Education ............. 135

Educator Preparation Institute .............................. 137
Educator Preparation Institute Courses ..................... 137

Cooperative Education Program ............................ 139

Course Descriptions .......................................... 140
Course Classification ......................................... 140
Florida’s Statewide Course Numbering System ........... 140
Course Descriptions .......................................... 142
General Courses ............................................. 142
Vocational Courses .......................................... 203
Baccalaureate-Level Courses ................................ 214

Directory ......................................................... 221
District Board of Trustees .................................. 221
Faculty .......................................................... 221
Administration and Staff .................................... 226

Ocala Campus Map ......................................... 233
Citrus Campus Map ......................................... 234

Index ............................................................ 235
Vision Statement
Energetic, purposeful, creative, College of Central Florida promotes learning in an open, caring, inclusive environment which encourages individual and community development inspired by shared values of integrity, service, responsibility and dignity.

Mission Statement
College of Central Florida offers educational opportunities which are accessible, affordable and high quality. In a climate that nurtures excellence, CF provides undergraduate instruction and awards associate degrees, baccalaureate degrees and certificates; prepares students for careers requiring professional and technical training; encourages student success through a variety of support services; and promotes the economic, social and cultural development of the community.

Guiding Principles and Major Directions
To guide the college in the pursuit of its vision, four major directions have been developed. Each year, a set of college goals is developed for each major direction, and all annual planning relates to one or more college goals. The college also focuses on five guiding principles.

Major Directions:
To provide accessible, affordable, high quality learning opportunities which meet students’ lifelong learning needs. To provide a caring environment which supports learning and development. To contribute to the cultural, social and economic development of our communities. To value our employees.

Guiding Principles:
1. We will partner with those who share our vision for learning and development.
2. We will strive to improve continuously every aspect of the college.
3. We will strive to exceed the expectations of those we serve.
4. We will strive in all our actions to honor the public trust placed in us by our community.
5. We will promote the concept of sustainability by preserving the natural environment and conserving our resources for future generations.

Board of Trustees

Sandra Balfour, Citrus County
Joyce Brancato, Levy County
Robert Durrance, Levy County
Ron Ewers, Marion County
Priya Ghumman, Marion County
Cory Pool, Marion County
Don Taylor, Citrus County
President's Message

The vision statement for the college describes an open, caring, inclusive learning environment built on the core values of integrity, service, responsibility and dignity. It is the people of CF — the students, faculty and staff — who make that vision a reality.

The College of Central Florida is committed to providing the best learning opportunities possible. Whether you plan to continue your education at a four-year college or university, gain skills for immediate employment, or expand your knowledge of new subjects, we are glad you are considering CF. The catalog contains information that will help you reach your learning goals.

I welcome you to the College of Central Florida and wish for you an enjoyable and meaningful learning experience.

James D. Henningsen, Ed.D.
President, College of Central Florida
## College Calendar

### Fall 2012

<table>
<thead>
<tr>
<th>Event</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Class Schedule Available on the Web</td>
<td>June 4</td>
</tr>
<tr>
<td>Surgical Technology Application Deadline</td>
<td>June 1</td>
</tr>
<tr>
<td>Priority Registration — 40+ credits</td>
<td>June 28</td>
</tr>
<tr>
<td>Priority Registration — 20+ credits</td>
<td>July 3</td>
</tr>
<tr>
<td>Priority Registration — 10+ credits</td>
<td>July 5</td>
</tr>
<tr>
<td>Dual Enrollment — Priority Registration</td>
<td>July 9</td>
</tr>
<tr>
<td>Priority Registration — 0+ credits</td>
<td>July 11</td>
</tr>
<tr>
<td>Dual Enrollment — Late Registration</td>
<td>July 17</td>
</tr>
</tbody>
</table>

### Fall C (Aug. 20—Dec. 13)

<table>
<thead>
<tr>
<th>Event</th>
<th>Date</th>
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</thead>
<tbody>
<tr>
<td>Dual Enrollment — Priority Application Deadline</td>
<td>May 24</td>
</tr>
<tr>
<td>Dual Enrollment — Late Application Deadline</td>
<td>June 22</td>
</tr>
<tr>
<td>Admissions Application Deadline</td>
<td>Aug. 6</td>
</tr>
<tr>
<td>General Registration (Transient and Adult Enrichment Students)</td>
<td>July 5-Aug. 17</td>
</tr>
<tr>
<td>Last Admit</td>
<td>Aug. 15</td>
</tr>
<tr>
<td>Classes Begin (residency deadline)</td>
<td>Aug. 20</td>
</tr>
<tr>
<td>Add/Drop Period</td>
<td>Aug. 20-22</td>
</tr>
<tr>
<td>Drop Only</td>
<td>Aug. 23-24</td>
</tr>
<tr>
<td>Last Date for refund</td>
<td>Aug. 24</td>
</tr>
<tr>
<td><strong>Labor Day Holiday</strong> (Saturday and Sunday Classes Meet)</td>
<td><strong>Sept. 3</strong></td>
</tr>
<tr>
<td>Graduation Application Deadline</td>
<td>Oct. 5</td>
</tr>
<tr>
<td>College Planning Day (No Day Classes; Classes after 4:30 p.m. Meet)</td>
<td>Oct. 9</td>
</tr>
<tr>
<td>Last Date to Withdraw with W</td>
<td>Oct. 23</td>
</tr>
<tr>
<td><strong>Veterans Day Holiday</strong> (Saturday and Sunday classes meet)</td>
<td><strong>Nov. 12</strong></td>
</tr>
<tr>
<td>Day Classes Meet/No Evening Classes</td>
<td>Nov. 21</td>
</tr>
<tr>
<td><strong>Thanksgiving Holiday and Break</strong></td>
<td><strong>Nov. 22-25</strong></td>
</tr>
<tr>
<td>Classes End</td>
<td>Dec. 7-9</td>
</tr>
<tr>
<td>Exam Week</td>
<td>Dec. 10-13</td>
</tr>
<tr>
<td>Graduation Ceremony</td>
<td>Dec. 14</td>
</tr>
<tr>
<td>Grade Reports to Registrar by Noon</td>
<td>Dec. 17</td>
</tr>
<tr>
<td><strong>Mid-year Break, Students and Faculty</strong></td>
<td><strong>Dec. 15-Jan. 1, 2013</strong></td>
</tr>
<tr>
<td>Administrative Offices Closed</td>
<td>Dec. 19-Jan. 1</td>
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</table>

### Fall A (Aug. 20—Oct. 12)

<table>
<thead>
<tr>
<th>Event</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Admissions Application Deadline</td>
<td>Aug. 6</td>
</tr>
<tr>
<td>General Registration (Transient and Adult Enrichment Students)</td>
<td>July 5-Aug. 17</td>
</tr>
<tr>
<td>Last Admit</td>
<td>Aug. 15</td>
</tr>
<tr>
<td>Classes Begin (Residency Deadline)</td>
<td>Aug. 20</td>
</tr>
<tr>
<td>Add/Drop Period</td>
<td>Aug. 20-21</td>
</tr>
<tr>
<td>Drop Only</td>
<td>Aug. 22</td>
</tr>
<tr>
<td>Last Date for Refund</td>
<td>Aug. 22</td>
</tr>
<tr>
<td><strong>Labor Day Holiday</strong></td>
<td><strong>Sept. 3</strong></td>
</tr>
<tr>
<td>Last Date to Withdraw with W</td>
<td>Sept. 20</td>
</tr>
<tr>
<td>College Planning Day (No Day Classes; Classes after 4:30 p.m. Meet)</td>
<td>Oct. 9</td>
</tr>
</tbody>
</table>
Classes End
Grade Reports to Registrar by Noon

**Fall B (Oct. 15–Dec. 13)**

<table>
<thead>
<tr>
<th>Event</th>
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<tbody>
<tr>
<td>Admissions Application Deadline</td>
<td>Oct. 1</td>
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<tr>
<td>General Registration (Transient and Adult Enrichment Students)</td>
<td>July 5 – Oct. 12</td>
</tr>
<tr>
<td>Last Admit</td>
<td>Oct. 10</td>
</tr>
<tr>
<td>Classes Begin (Residency Deadline)</td>
<td>Oct. 15</td>
</tr>
<tr>
<td>Add/Drop Period</td>
<td>Oct. 15–16</td>
</tr>
<tr>
<td>Drop Only</td>
<td>Oct. 17</td>
</tr>
<tr>
<td>Last Date for refund</td>
<td>Oct. 17</td>
</tr>
<tr>
<td><strong>Veterans Day Holiday</strong></td>
<td>Nov. 12</td>
</tr>
<tr>
<td>(Saturday and Sunday Classes Meet)</td>
<td></td>
</tr>
<tr>
<td>Last Date to Withdraw with W</td>
<td>Nov. 14</td>
</tr>
<tr>
<td>Day Classes Meet/No Evening Classes</td>
<td>Nov. 21</td>
</tr>
<tr>
<td><strong>Thanksgiving Holiday and Break</strong></td>
<td>Nov. 22–25</td>
</tr>
<tr>
<td>Classes End</td>
<td>Dec. 7–9</td>
</tr>
<tr>
<td>Graduation</td>
<td>Dec. 14</td>
</tr>
<tr>
<td>Grade Reports to Registrar by Noon</td>
<td>Dec. 17</td>
</tr>
<tr>
<td>Administrative Offices Closed</td>
<td>Dec. 19–Jan. 1</td>
</tr>
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</table>

**Spring 2013**

<table>
<thead>
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<tbody>
<tr>
<td>Class Schedule Available on the Web</td>
<td>Oct. 8</td>
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<tr>
<td>Priority Registration — 40+ credits</td>
<td>Oct. 22</td>
</tr>
<tr>
<td>Priority Registration — 20+ credits</td>
<td>Oct. 25</td>
</tr>
<tr>
<td>Priority Registration — 10+ credits</td>
<td>Oct. 29</td>
</tr>
<tr>
<td>Dual Enrollment — Priority Registration</td>
<td>Oct. 30</td>
</tr>
<tr>
<td>Priority Registration — 0+ credits</td>
<td>Nov. 1</td>
</tr>
<tr>
<td>Dual Enrollment — Late Registration</td>
<td>Nov. 7</td>
</tr>
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</table>

**Spring C (Jan. 7–May 2)**

<table>
<thead>
<tr>
<th>Event</th>
<th>Date</th>
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<tbody>
<tr>
<td>Dual Enrollment — Priority Application Deadline</td>
<td>Sept. 28</td>
</tr>
<tr>
<td>Dual Enrollment — Late Application Deadline</td>
<td>Oct. 26</td>
</tr>
<tr>
<td>General Registration (Transient and Adult Enrichment Students)</td>
<td>Oct. 29–Jan. 4</td>
</tr>
<tr>
<td>Admissions Application Deadline</td>
<td>Dec. 10</td>
</tr>
<tr>
<td><strong>New Year's Holiday</strong></td>
<td>Jan. 1, 2013</td>
</tr>
<tr>
<td>Faculty Planning Days</td>
<td>Jan. 2–4</td>
</tr>
<tr>
<td>Last Admit</td>
<td>Dec. 18</td>
</tr>
<tr>
<td>Classes Begin</td>
<td>Jan. 7</td>
</tr>
<tr>
<td>Add/Drop Period</td>
<td>Jan. 7–9</td>
</tr>
<tr>
<td>Drop Only</td>
<td>Jan. 10–11</td>
</tr>
<tr>
<td>Last Date for Refund</td>
<td>Jan. 11</td>
</tr>
<tr>
<td><strong>Martin L. King Jr. Holiday</strong></td>
<td>Jan. 21</td>
</tr>
<tr>
<td>College Planning Day (No Day Classes; Classes after 4:30 p.m. Meet)</td>
<td>Feb. 14</td>
</tr>
<tr>
<td>Graduation Application Deadline</td>
<td>March 1</td>
</tr>
<tr>
<td>(includes summer graduates who intend to march in the spring ceremony)</td>
<td></td>
</tr>
<tr>
<td>Last Date to Withdraw with W</td>
<td>March 11</td>
</tr>
<tr>
<td>Spring Break</td>
<td>March 18–24</td>
</tr>
</tbody>
</table>
Classes End
Exam Week
Graduation Ceremony
Grade Reports to Registrar by Noon

Spring A (Jan. 7–Feb. 27)
Admissions Application Deadline
Jan. 1, 2013
Dec. 10

New Year’s Holiday
Jan. 7, 2013
Jan. 1

Last Admit
Jan. 1

General Registration (Transient and Adult Enrichment Students)
Oct. 29-Jan. 4

Classes Begin
Jan. 7

Add/Drop Period
Jan. 7-8

Drop Only
Jan. 9

Last Date for Refund
Jan. 9

Martin L. King Jr. Holiday
Jan. 21
Jan. 21

Last Date to Withdraw with W
Feb. 6

College Planning Day — No Day Classes; Classes after 4:30 p.m. Meet
Feb. 14

Classes End
Feb. 27

Grade Reports to Registrar by Noon
Feb. 28

Graduation Application Deadline
(includes summer graduates who intend to march in the spring ceremony)
March 1

Spring B (Feb. 28–April 18)
Admissions Application Deadline
Feb. 13
Feb. 13

Last Admit
Feb. 25
Feb. 25

General Registration (Transient and Adult Enrichment Students)
Nov. 1–Feb. 27
Feb. 28

Classes Begin (Residency Deadline)
Feb. 28
Feb. 28

Add/Drop Period
Feb. 28-March 1

Drop Only
March 4
March 4

Last Date for Refund
March 4
March 4

Spring Break
March 18–24
March 18–24

Last Date to Withdraw with W
April 5
April 5

Classes End
April 26–28
April 26–28

Exam Week
April 29-May 2
April 29-May 2

Graduation Ceremony
May 3
May 3

Grade Reports to Registrar by Noon
May 6
May 6

Summer 2013
Class Schedule Available on the Web
March 4
March 4

Priority Registration for all summer terms: 40+ credits
March 25
March 25

Priority Registration — 20+ credits
March 28
March 28

Priority Registration — 10+ credits
April 1
April 1

Dual Enrollment — Priority Registration
March 26
March 26

Dual Enrollment — Late Registration
April 3
April 3

Priority Registration — 0+ credits
April 4
April 4
### Summer C (May 9—Aug. 5)

<table>
<thead>
<tr>
<th>Event</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dual Enrollment — Priority Application Deadline</td>
<td>Feb. 22</td>
</tr>
<tr>
<td>Dual Enrollment — Late Application Deadline</td>
<td>March 22</td>
</tr>
<tr>
<td>Admissions Application Deadline</td>
<td>April 29</td>
</tr>
<tr>
<td>Last Admit</td>
<td>May 6</td>
</tr>
<tr>
<td>General Registration (Transient and Adult Enrichment Students)</td>
<td>March 28–May 7</td>
</tr>
<tr>
<td>Classes Begin (Residency Deadline)</td>
<td>May 8</td>
</tr>
<tr>
<td>Add/Drop Period</td>
<td>May 8-13</td>
</tr>
<tr>
<td>Drop Only</td>
<td>May 14-15</td>
</tr>
<tr>
<td>Last Date for Refund</td>
<td>May 15</td>
</tr>
<tr>
<td>Graduation Application Deadline (not eligible to march in spring ceremony)</td>
<td>May 20</td>
</tr>
<tr>
<td>Surgical Technology Application Deadline</td>
<td>June 1</td>
</tr>
<tr>
<td>Last Date to Withdraw with W</td>
<td>July 1</td>
</tr>
<tr>
<td>Classes End</td>
<td>Aug. 5</td>
</tr>
<tr>
<td>Grade Reports to Registrar by 4 p.m.</td>
<td>Aug. 6</td>
</tr>
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</table>

### Summer A (May 9—June 19)

<table>
<thead>
<tr>
<th>Event</th>
<th>Date</th>
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</thead>
<tbody>
<tr>
<td>Admissions Application Deadline</td>
<td>April 29</td>
</tr>
<tr>
<td>Last Admit</td>
<td>May 6</td>
</tr>
<tr>
<td>General Registration (Transient and Adult Enrichment Students)</td>
<td>March 28–May 7</td>
</tr>
<tr>
<td>Classes Begin (Residency Deadline)</td>
<td>May 8</td>
</tr>
<tr>
<td>Add/Drop Period</td>
<td>May 8-9</td>
</tr>
<tr>
<td>Drop Only</td>
<td>May 13</td>
</tr>
<tr>
<td>Last Date for Refund</td>
<td>May 13</td>
</tr>
<tr>
<td>Memorial Day Holiday</td>
<td>May 27</td>
</tr>
<tr>
<td>Last Date to Withdraw with W</td>
<td>June 4</td>
</tr>
<tr>
<td>Classes End</td>
<td>June 19</td>
</tr>
<tr>
<td>Grade Reports to Registrar by 4 p.m.</td>
<td>June 20</td>
</tr>
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### Summer B (June 24—Aug. 19)

<table>
<thead>
<tr>
<th>Event</th>
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</thead>
<tbody>
<tr>
<td>Admissions Application Deadline</td>
<td>June 14</td>
</tr>
<tr>
<td>Last Admit</td>
<td>June 19</td>
</tr>
<tr>
<td>General Registration (Transient and Adult Enrichment Students)</td>
<td>March 28–June 21</td>
</tr>
<tr>
<td>Classes Begin (Residency Deadline)</td>
<td>June 24</td>
</tr>
<tr>
<td>Add/Drop Period</td>
<td>June 24-25</td>
</tr>
<tr>
<td>Drop Only</td>
<td>June 26</td>
</tr>
<tr>
<td>Last Date for Refund</td>
<td>June 26</td>
</tr>
<tr>
<td>Independence Day Holiday</td>
<td>July 4</td>
</tr>
<tr>
<td>Last Date to Withdraw with W</td>
<td>July 18</td>
</tr>
<tr>
<td>Classes End</td>
<td>Aug. 5</td>
</tr>
<tr>
<td>Grade Reports to Registrar by 4 p.m.</td>
<td>Aug. 6</td>
</tr>
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</table>
## Hours of Operation

Listed below are general hours of operation during the fall and spring semesters. Summer semester hours may vary.

<table>
<thead>
<tr>
<th>Access Services</th>
<th>Monday–Friday, 8 a.m.–4:30 p.m.</th>
<th>Monday–Friday, 7:30 a.m.–4 p.m.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Administrative Offices</td>
<td>Monday–Friday, 8 a.m.–4:30 p.m.</td>
<td>Evening hours as posted.</td>
</tr>
<tr>
<td></td>
<td>Monday–Friday, 8 a.m.–4:30 p.m.</td>
<td>Evening hours by appointment only.</td>
</tr>
<tr>
<td>Assessment Center</td>
<td>Monday–Friday, 8 a.m.–4:30 p.m.</td>
<td>Daily hours posted during registration and schedule change periods. Hours posted during other times.</td>
</tr>
<tr>
<td></td>
<td>Monday–Friday, 8 a.m.–4:30 p.m.</td>
<td>Special hours as needed during registration periods.</td>
</tr>
<tr>
<td>Bookstore</td>
<td>Monday–Thursday, 7:30 a.m.–6 p.m.; Friday, 8 a.m.–4 p.m.</td>
<td>Monday–Thursday, 8 a.m.–6 p.m.</td>
</tr>
<tr>
<td></td>
<td>Friday, 8 a.m.–4 p.m.</td>
<td>Monday–Thursday, 8 a.m.–4 p.m.</td>
</tr>
<tr>
<td></td>
<td>Special hours as needed during registration periods.</td>
<td>Special hours as needed during registration periods.</td>
</tr>
<tr>
<td></td>
<td>Evening hours by appointment only.</td>
<td>Evening hours by appointment only.</td>
</tr>
<tr>
<td>Cafeteria</td>
<td>Monday–Thursday, 7 a.m.–7 p.m.; Friday, 7 a.m.–2 p.m.</td>
<td>Monday–Thursday, 8 a.m.–6 p.m.</td>
</tr>
<tr>
<td></td>
<td>Closed on weekends.</td>
<td>Friday, 8 a.m.–4 p.m.</td>
</tr>
<tr>
<td></td>
<td>Evening and summer as announced.</td>
<td>Evening and summer as announced.</td>
</tr>
<tr>
<td>College Square (CF Foundation student residence center)</td>
<td>Monday–Friday, 8 a.m.–6 p.m.; Friday, 8 a.m.–4:30 p.m.</td>
<td>Monday–Thursday, 8 a.m.–6 p.m.; Friday, 8 a.m.–4 p.m.</td>
</tr>
<tr>
<td></td>
<td>Monday–Friday, 8 a.m.–6 p.m.; Friday, 8 a.m.–4:30 p.m.</td>
<td>Classes and resources: books, periodicals, videos</td>
</tr>
<tr>
<td></td>
<td>Hours extended until 6 p.m. during peak registration prior to each semester.</td>
<td>Hours extended until 6 p.m. during peak registration prior to each semester.</td>
</tr>
<tr>
<td>Continuing Education, Ewers Century Center</td>
<td>Monday–Friday, 8 a.m.–6 p.m.; Friday, 8 a.m.–4:30 p.m.</td>
<td>Registration available in Enrollment Services Center (Citrus Learning and Conference Center).</td>
</tr>
<tr>
<td>Co-op, Ewers Century Center</td>
<td>Monday–Friday, 8 a.m.–6 p.m.; Friday, 8 a.m.–4:30 p.m.</td>
<td>Classes and resources: books, periodicals, videos</td>
</tr>
<tr>
<td>Cashier</td>
<td>Monday–Friday, 8 a.m.–4:30 p.m.</td>
<td>Monday–Thursday, 8 a.m.–6 p.m.</td>
</tr>
<tr>
<td></td>
<td>Call 352-854-2322, ext. 1452, for details.</td>
<td>Friday, 8 a.m.–4 p.m.</td>
</tr>
<tr>
<td>Enrollment Services Center</td>
<td>Monday–Friday, 8 a.m.–6 p.m.; Friday, 8 a.m.–4:30 p.m.</td>
<td>Monday–Thursday, 8 a.m.–6 p.m.; Friday, 8 a.m.–4 p.m.</td>
</tr>
<tr>
<td></td>
<td>Monday–Friday, 8 a.m.–6 p.m.; Friday, 8 a.m.–4:30 p.m.</td>
<td>Classes and resources: books, periodicals, videos</td>
</tr>
<tr>
<td></td>
<td>Hours extended until 6 p.m. during peak registration prior to each semester.</td>
<td>Hours extended until 6 p.m. during peak registration prior to each semester.</td>
</tr>
<tr>
<td>Faculty Members</td>
<td>Monday–Friday; hours on office doors.</td>
<td>Monday–Friday; hours on office doors.</td>
</tr>
<tr>
<td>Financial Aid</td>
<td>Monday–Thursday, 8 a.m.–6 p.m.; Friday, 8 a.m.–4:30 p.m.</td>
<td>Monday–Tuesday, 10 a.m.–6:30 p.m.; Wednesday–Friday, 8 a.m.–4:30 p.m.</td>
</tr>
<tr>
<td></td>
<td>Monday–Thursday, 8 a.m.–6 p.m.; Friday, 8 a.m.–4:30 p.m.</td>
<td>Located in Counseling Suite (Citrus Learning and Conference Center).</td>
</tr>
<tr>
<td>Information Center</td>
<td>Monday–Thursday, 8 a.m.–6 p.m.; Friday, 8 a.m.–4:30 p.m.</td>
<td>Monday–Friday, 8 a.m.–4:30 p.m.</td>
</tr>
<tr>
<td></td>
<td>Monday–Thursday, 8 a.m.–6 p.m.; Friday, 8 a.m.–4:30 p.m.</td>
<td>Classes and resources: books, periodicals, videos</td>
</tr>
<tr>
<td></td>
<td>Closed Saturdays and Sundays.</td>
<td>Classes and resources: books, periodicals, videos</td>
</tr>
<tr>
<td>Learning Resources Center (Library and media resources: books, periodicals, videos)</td>
<td>Monday–Thursday, 7:30 a.m.–9 p.m.; Friday, 7:30 a.m.–4:30 p.m.; Saturday, 10 a.m.–5 p.m.; Sunday, closed.</td>
<td>Monday–Thursday, 8 a.m.–8 p.m.; Friday, 8 a.m.–4 p.m.</td>
</tr>
<tr>
<td>Learning Support Center (VPI Lab and computer resources)</td>
<td>Monday–Thursday, 7:30 a.m.–9 p.m.; Friday, 7:30 a.m.–4:30 p.m.; Saturday, 10 a.m.–5 p.m.; Sunday, closed.</td>
<td>Classes and resources: books, periodicals, videos</td>
</tr>
<tr>
<td>Public Safety Office</td>
<td>Monday–Thursday, 8 a.m.–10:30 p.m.; Friday, 8 a.m.–4 p.m.</td>
<td>24-hour coverage.</td>
</tr>
<tr>
<td></td>
<td>24-hour coverage.</td>
<td>24-hour coverage.</td>
</tr>
<tr>
<td>Location</td>
<td>Operating Hours</td>
<td>Special Notes</td>
</tr>
<tr>
<td>--------------------------------</td>
<td>------------------------------------------------------</td>
<td>---------------------------------------------------</td>
</tr>
<tr>
<td>Saint Leo University, University Center</td>
<td>Monday–Thursday, 9 a.m.–5 p.m.; Friday, 9 a.m.–4:30 p.m.</td>
<td>Special arrangements if necessary.</td>
</tr>
<tr>
<td>Student Advising Office (call for appointments)</td>
<td>Monday–Friday, 8 a.m.–4:30 p.m.</td>
<td>Monday–Thursday, 8 a.m.–6 p.m.; Friday, 8 a.m.–4 p.m.</td>
</tr>
<tr>
<td>Switchboard (incoming calls)</td>
<td>Monday–Friday, 8 a.m.–4:30 p.m.</td>
<td>Monday–Friday, 8 a.m.–4:30 p.m.; Automated attendant nights and weekends.</td>
</tr>
<tr>
<td>Testing Center</td>
<td>Monday–Friday, 8 a.m.–4:30 p.m.; Evenings and weekends as needed.</td>
<td>Monday–Thursday, 8:30 a.m.–4:30 p.m.</td>
</tr>
<tr>
<td>University Center</td>
<td>Monday–Friday, 8 a.m.–6 p.m.; Friday, 8:30 a.m.–12:30 p.m.</td>
<td></td>
</tr>
<tr>
<td>University of Central Florida — University Center</td>
<td>Monday–Thursday, 8:30 a.m.–6:30 p.m.; Friday, 8 a.m.–4:30 p.m.</td>
<td></td>
</tr>
<tr>
<td>Webber Center</td>
<td>Monday–Saturday, 11 a.m.–5 p.m.; Closed Sundays and holidays.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Levy Center</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Administrative Offices</td>
<td>Monday–Friday, 8 a.m.–4:30 p.m.; Evening hours as posted.</td>
<td></td>
</tr>
<tr>
<td>Continuing Education</td>
<td>Monday–Friday, 8 a.m.–4:30 p.m.</td>
<td></td>
</tr>
<tr>
<td>Counselors/Advisers</td>
<td>Monday–Friday, 8 a.m.–4:30 p.m.</td>
<td>Monday–Friday, 8:30 a.m.–4:30 p.m. Call for appointment.</td>
</tr>
<tr>
<td></td>
<td>Call for appointment.</td>
<td></td>
</tr>
<tr>
<td><strong>Hampton Center</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Campus Offices</td>
<td>Monday–Friday, 8 a.m.–4:30 p.m.</td>
<td></td>
</tr>
<tr>
<td><strong>The Appleton Museum of Art, College of Central Florida</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Museum</td>
<td>Monday, closed; Tuesday–Saturday, 10 a.m.–5 p.m.; Sunday, noon–5 p.m.</td>
<td></td>
</tr>
</tbody>
</table>
# Telephone Directory

(All numbers are in area code 352 unless otherwise noted.)

<table>
<thead>
<tr>
<th>Campus</th>
<th>Area Code</th>
<th>Phone Number</th>
<th>Department</th>
<th>Extension</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ocala Campus</td>
<td>237</td>
<td>2111</td>
<td>Ocala Campus operator</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Ocala Campus automated system</td>
<td>854-2322</td>
</tr>
<tr>
<td>Citrus Campus</td>
<td>746</td>
<td>6721</td>
<td>Levy Center</td>
<td>493-9533</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Hampton Center</td>
<td>873-5881</td>
</tr>
</tbody>
</table>

## Enrollment-Related Areas

<table>
<thead>
<tr>
<th>Area</th>
<th>Phone Number</th>
<th>Extension</th>
</tr>
</thead>
<tbody>
<tr>
<td>Advising, Levy Center</td>
<td>493-9533</td>
<td></td>
</tr>
<tr>
<td>Advising, Ocala Campus</td>
<td>854-2322, ext. 1713</td>
<td>1713</td>
</tr>
<tr>
<td>Cashier, Citrus Campus</td>
<td>249-1203</td>
<td></td>
</tr>
<tr>
<td>Cashier, Levy Center</td>
<td>493-9533</td>
<td></td>
</tr>
<tr>
<td>Cashier, Ocala Campus</td>
<td>854-2322, ext. 1213</td>
<td>1213</td>
</tr>
<tr>
<td>Continuing Education/Noncredit Courses</td>
<td>873-5804</td>
<td></td>
</tr>
<tr>
<td>Counseling, Citrus Campus</td>
<td>249-1202</td>
<td></td>
</tr>
<tr>
<td>Dual Enrollment/Early Admission</td>
<td>854-2322, ext. 1379</td>
<td>1379</td>
</tr>
<tr>
<td>Enrollment Services Center, Ocala Campus</td>
<td>854-2322, ext. 1713</td>
<td>1713</td>
</tr>
<tr>
<td>Financial Aid</td>
<td>873-5801</td>
<td></td>
</tr>
</tbody>
</table>

## Academic/Program Areas

<table>
<thead>
<tr>
<th>Area</th>
<th>Phone Number</th>
<th>Extension</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adult High School, Levy Center</td>
<td>493-9533, ext. 2104</td>
<td>2104</td>
</tr>
<tr>
<td>Business and Technology</td>
<td>854-2322, ext. 1593</td>
<td>1593</td>
</tr>
<tr>
<td>Commercial Vehicle Driving</td>
<td>854-2322, ext. 1516</td>
<td>1516</td>
</tr>
<tr>
<td>Communications</td>
<td>854-2322, ext. 1232</td>
<td>1232</td>
</tr>
<tr>
<td>Community of Scholars</td>
<td>854-2322, ext. 1516</td>
<td>1516</td>
</tr>
<tr>
<td>Cooperative Education Courses</td>
<td>854-2322, ext. 1717</td>
<td>1717</td>
</tr>
<tr>
<td>Corporate Training Center</td>
<td>873-5804</td>
<td></td>
</tr>
<tr>
<td>Cosmetology/Barbering—Personal Services Institute</td>
<td>873-5816</td>
<td></td>
</tr>
<tr>
<td>Criminal Justice Institute</td>
<td>873-5838</td>
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</tr>
<tr>
<td>Distance Learning Courses</td>
<td>854-2322, ext. 1317</td>
<td>1317</td>
</tr>
<tr>
<td>Driver Improvement Courses</td>
<td>873-5804</td>
<td></td>
</tr>
<tr>
<td>English as a Second Language</td>
<td>854-2322, ext. 1624</td>
<td>1624</td>
</tr>
<tr>
<td>GED Testing, Levy Center</td>
<td>493-9533</td>
<td></td>
</tr>
<tr>
<td>Health Sciences</td>
<td>873-5817</td>
<td></td>
</tr>
<tr>
<td>Humanities/Social Sciences</td>
<td>854-2322, ext. 1292</td>
<td>1292</td>
</tr>
<tr>
<td>Mathematics/Science</td>
<td>854-2322, ext. 1779</td>
<td>1779</td>
</tr>
<tr>
<td>University Center</td>
<td>873-5866</td>
<td></td>
</tr>
<tr>
<td>Visual and Performing Arts</td>
<td>854-2322, ext. 1419</td>
<td>1419</td>
</tr>
<tr>
<td>Wellness Education</td>
<td>854-2322, ext. 1325</td>
<td>1325</td>
</tr>
</tbody>
</table>

## Student/Public Resources

<table>
<thead>
<tr>
<th>Area</th>
<th>Phone Number</th>
<th>Extension</th>
</tr>
</thead>
<tbody>
<tr>
<td>Access Services</td>
<td>854-2322, ext. 1580</td>
<td>1580</td>
</tr>
<tr>
<td>TDD</td>
<td>873-5854</td>
<td></td>
</tr>
<tr>
<td>Appleton Museum of Art</td>
<td>291-4455</td>
<td></td>
</tr>
<tr>
<td>Athletics/Gym</td>
<td>854-2322, ext. 1322</td>
<td>1322</td>
</tr>
<tr>
<td>Box Office (Fine Arts/CF Theatre)</td>
<td>873-5810</td>
<td></td>
</tr>
<tr>
<td>Cafeteria</td>
<td>854-2322, ext. 1444</td>
<td>1444</td>
</tr>
<tr>
<td>Career Assessment Center</td>
<td>854-2322, ext. 1721</td>
<td>1721</td>
</tr>
<tr>
<td>Learning Lab School (Child Care)</td>
<td>873-5806</td>
<td></td>
</tr>
<tr>
<td>Citrus Assessment/Testing Center</td>
<td>249-1213</td>
<td></td>
</tr>
<tr>
<td>College Reach-Out Program, Hampton Center</td>
<td>873-5881</td>
<td></td>
</tr>
<tr>
<td>International Education</td>
<td>854-2322, ext. 1624</td>
<td>1624</td>
</tr>
<tr>
<td>International Film Series</td>
<td>854-2322, ext. 1233</td>
<td>1233</td>
</tr>
<tr>
<td>Job Placement and Co-op Center</td>
<td>854-2322, ext. 1721</td>
<td>1721</td>
</tr>
<tr>
<td>Learning Resources Center (Library), Ocala Campus</td>
<td>873-5805</td>
<td></td>
</tr>
<tr>
<td>Learning Support Center Computer Lab, Citrus Campus</td>
<td>249-1204</td>
<td></td>
</tr>
<tr>
<td>Learning Support Center Computer Lab, Citrus Campus</td>
<td>854-2322, ext. 1246</td>
<td>1246</td>
</tr>
<tr>
<td>Pathways</td>
<td>291-4444</td>
<td></td>
</tr>
<tr>
<td>Performing Arts Series</td>
<td>854-2322, ext. 1416</td>
<td>1416</td>
</tr>
<tr>
<td>Project Eagle</td>
<td>854-2322, ext. 1761</td>
<td>1761</td>
</tr>
<tr>
<td>Salon/Personal Services Institute</td>
<td>873-5816</td>
<td></td>
</tr>
<tr>
<td>Senior Institute</td>
<td>873-5804</td>
<td></td>
</tr>
<tr>
<td>Educational Opportunity Center, Citrus Campus</td>
<td>746-6721, ext. 6147</td>
<td>Student Activities</td>
</tr>
<tr>
<td>---------------------------------------------</td>
<td>---------------------</td>
<td>-------------------</td>
</tr>
<tr>
<td>Educational Opportunity Center, Ocala Campus</td>
<td>854-2322, ext. 1316</td>
<td>Student Government</td>
</tr>
<tr>
<td>Educational Opportunity Center, Levy Center</td>
<td>493-9533</td>
<td>Student Newspaper, The Patriot Press</td>
</tr>
<tr>
<td>Foundation (scholarships, endowments, etc.)</td>
<td>873-5808</td>
<td>Student Support Services</td>
</tr>
<tr>
<td>Harvey R. Klein Conference Center</td>
<td>291-4441</td>
<td>Volunteer Services</td>
</tr>
<tr>
<td>Housing, College Square residence center</td>
<td>237-3334</td>
<td>Webber Exhibit and Conference Center</td>
</tr>
<tr>
<td>Information Center</td>
<td>873-5800</td>
<td></td>
</tr>
</tbody>
</table>

**Administrative Offices**

<table>
<thead>
<tr>
<th>Academic Affairs</th>
<th>873-5840</th>
<th>Information Technology</th>
<th>854-2322, ext. 1378</th>
</tr>
</thead>
<tbody>
<tr>
<td>Administration and Finance</td>
<td>873-5823</td>
<td>Levy Center Director</td>
<td>493-9533</td>
</tr>
<tr>
<td>Assistant Vice President for Finance</td>
<td>854-2322, ext. 1278</td>
<td>Marketing and Public Relations</td>
<td>873-5845</td>
</tr>
<tr>
<td>Business Office</td>
<td>854-2322, ext. 1627</td>
<td>President’s Office</td>
<td>873-5835</td>
</tr>
<tr>
<td>Campus Vice President, Citrus Campus</td>
<td>249-1209</td>
<td>Public Safety</td>
<td>873-5841</td>
</tr>
<tr>
<td>Hampton Center Director</td>
<td>873-5881</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Human Resources/Personnel</td>
<td>873-5819</td>
<td>Purchasing</td>
<td>873-5815</td>
</tr>
</tbody>
</table>

**College Affiliates/Separate On-Site Organizations**

<table>
<thead>
<tr>
<th>CF Foundation</th>
<th>873-5808</th>
<th>Saint Leo University On-Site Programs</th>
<th>854-2322, ext. 1812</th>
</tr>
</thead>
<tbody>
<tr>
<td>Florida Southern College On-Site Programs</td>
<td>291-4417</td>
<td>University of Central Florida On-Site Programs</td>
<td>854-2322, ext. 1818</td>
</tr>
<tr>
<td>RSVP (Retired and Senior Volunteer Program)</td>
<td>291-4444</td>
<td>Webster University On-Site Programs</td>
<td>861-9330</td>
</tr>
</tbody>
</table>
Accreditation and Memberships

The College of Central Florida is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools to award associate and baccalaureate degrees. Contact the Commission on Colleges of the Southern Association of Colleges and Schools at 1866 Southern Lane, Decatur, GA 30033-4097 or call 404-679-4300. The Commission should be contacted only if there is evidence that appears to support that the College of Central Florida may be in non-compliance with a requirement or standards. College of Central Florida is also approved by the Florida Department of Education to award associate degrees, baccalaureate degrees, college credit certificates and occupational certificates.

In addition, the programs listed below are accredited by the agencies listed. Please reference each program of study for specific statements regarding accreditation.

- The Applied Technology Diploma in Dental Assisting program on page 125 is accredited by the American Dental Association Commission on Dental Accreditation.
- The Associate in Science degree in A.S. to B.S. Nursing program on page 116, the Associate in Science degree in Nursing — Licensed Practical Nurse to Associate Degree Nursing program on page 118 and the Postsecondary Adult Vocational certificate in Practical Nursing program on page 130 are accredited by the National League for Nursing Accrediting Commission Inc.
- The Associate in Science degree in Health Information Technology program on page 114 is accredited by the Commission on Accreditation for Health Informatics and Information Management Education.
- The Associate in Science degree in Physical Therapist Assistant program on page 123 is accredited by the Commission on Accreditation in Physical Therapy Education.
- The Postsecondary Adult Vocational certificate in Surgical Technology program on page 130 is accredited by the Commission on Accreditation of Allied Health Education Programs.
- The College Credit Certificate in Paramedic program and the College Credit Certificate in Emergency Medical Technician (BASIC) program on page 109 are accredited by the Commission on Accreditation of Allied Health Education Programs, Committee on Accreditation of Educational Programs for the Emergency Medical Services Professions.

The programs listed below are approved or certified by the agencies listed. Please reference each program of study for specific statements regarding approval or certification.

- The Associate in Science degree in Emergency Medical Services on page 108 is approved by the Committee on Accreditation of Educational Programs for the Emergency Medical Services Professions and the Florida Department of Health Bureau of Emergency Medical Services.
- The Postsecondary Adult Vocational certificate program in Commercial Vehicle Driving on page 127 is certified by the Florida Department of Highway Safety and Motor Vehicles.
- The Postsecondary Adult Vocational certificate program in Correctional Officer on page 128 and the Postsecondary Adult Vocational certificate program in Law Enforcement Officer on page 129 are approved by the Florida Department of Law Enforcement Criminal Justice Standards and Training Commission.
- The Associate in Science degree in Fire Science Technology on page 113 is approved by the State of Florida, Division of State Fire Marshal — Bureau of Fire Standards and Training Florida State Fire College.

The college holds memberships in the American Association of Community Colleges, the Association of Florida Colleges, and the Association of Community College Trustees. Among other memberships are the National Junior College Athletic Association, the National League for Nursing, and Florida Campus Compact.

CF has been approved by the state of Florida as an institution in which recipients of General Scholarship Loans for Preparation of Teachers (awarded by the state) may take the first two years of college work. Additionally, the college participates in the Drug-Free Workplace Program.

The state Department of Education will accept work taken at the college to satisfy various certification requirements. CF is state-approved for veterans training under Public Law 550, Public Law 89-358 (Veterans Readjustment Benefits Act of 1966), and for the education of disabled veterans and war orphans, and is a Servicemembers Opportunity College.

History

Central Florida Junior College was established in 1957 when community leaders and citizens envisioned an educational resource that would help Marion, Citrus and Levy counties to grow and prosper. With foresight and determination those community leaders planted the seed that has become the educational hub of the tricounty area.

In 1958, Hampton Junior College opened as one of the first black, two-year colleges in the state, and in 1966 the colleges merged. The name was changed to Central Florida Community College in 1971 to reflect more accurately the character and purpose of the college serving a larger community. In 2010, the college changed its name to College of Central Florida.

The Ocala Campus was established on a 60-acre tract donated by Atlantic Realty and Investment Company and the city of Ocala and over time has grown to include 140 acres. The attractive campus is at a crossroads of the growing community, between downtown Ocala and Interstate 75 on State Road 200. The campus has been recognized by Marion County for its beautiful grounds.

In 1982, the Bronson Center opened on a 20-acre site east of Bronson. In 1993, the campus was relocated to the Levy Center in Chiefland, where services and enrollment continue to climb. In 2008, the college procured a site for a permanent center in Levy County and construction will begin as soon as funding is available.

The college also offered classes in Citrus County for many years before partnering with the Citrus County School Board to establish an educational complex in Lecanto in 1984. To accommodate a growing need, a free-standing campus opened in 1996 on 88 acres in Lecanto. Ten acres have been added to the Citrus Campus, which continues to expand credit and noncredit course offerings. A new Learning and Conference Center opened at the Citrus Campus in the fall of 2009.
CF’s Hampton Center opened in 1996 on the site of the former Florida State Fire College in west Ocala. The facility was completely rebuilt and reopened in 2004. The Hampton Center is an important presence in the west Ocala area, offering health occupations courses and community outreach programs.

The college maintained a partnership interest in the Appleton Museum of Art for more than a decade before accepting full responsibility for operations in 2004. The museum has become even more of a teaching and learning institution, offering classes and tours, and helping to serve the cultural needs of the community.

In the last decade, the college has renovated several key buildings and added others that have changed the face of the Ocala Campus. The University Center, Ewers Century Center and Webber Center Gallery serve students and the community. Renovations to the C. Farris Bryant Student Union and the Fine Arts Center have provided state-of-the-art technology and student-friendly facilities. The oldest building at the college was renamed Founders Hall in 2007 and re-opened in 2009 after extensive remodeling.

Administration

Dr. James D. Henningsen assumed the presidency of the college on Jan. 1, 2012. Dr. James D. Harvey was interim president from July 1, 2011, to Jan. 1, 2012. Dr. Charles R. Dassance held the presidency of the college from Nov. 11, 1996, until June 30, 2011, and was named president emeritus upon his retirement. Dr. James H. Hinson Jr. was interim president from Feb. 18 to Nov. 9, 1996. Dr. William J. Campion held the presidency from March 1, 1987, until Feb. 16, 1996, succeeding Dr. Henry E. Goodlett, who in January 1966 replaced Dr. Joseph W. Fordyce, appointed in May of 1960. The District Board of Trustees named Goodlett president emeritus upon his retirement. Charles H. Hamblen Jr. served as acting president between the resignation of Dr. Kenneth R. Williams in early 1960 and the appointment of Fordyce. Williams had assumed his duties on Jan. 1, 1958, soon after the Florida Legislature established the college in 1957.

College operations are governed by the College of Central Florida District Board of Trustees. Members of this board are appointed by Florida’s governor and confirmed by the Florida Senate. The chief administrative officer of the college is the president, who also serves as secretary to the District Board of Trustees.

Educational Programs and Services

Associate in Arts

This degree is 60 credit hours in length and is designed for the student who plans to complete a bachelor’s degree.

Associate in Science

This degree varies from 60 credits to 77 credits depending on the program. It is designed for students who wish to enter the workforce in a skilled field. Some limited transfer is available.

Applied Technology Diploma

These programs are either clock-hour noncredit or credit hour based. They provide entry-level courses in a specific area that usually can be applied toward an Associate in Science degree.

College Credit Certificate

These are technical programs that vary in length from 12 to 42 credit hours and provide the student with a set of technical skills in a specific area of study. Each College Credit Certificate applies toward an Associate in Science degree.

Postsecondary Adult Vocational Certificate

These are clock-hour based noncredit programs that provide the student with broad entry-level skills in a chosen field of study.

Bachelor of Applied Science

The Bachelor of Applied Science in Business and Organizational Management is designed for associate degree graduates (A.S., A.A., or A.A.S.) to build on skills for managerial positions requiring baccalaureate degrees. Specializations include Agribusiness, Management Information Systems, Health Care Management, and Public Safety Administration.

Bachelor of Science

The Bachelor of Science in Early Childhood Education is designed for associate degree graduates (A.S., A.A.) to build on skills for early childhood education teaching positions requiring a baccalaureate degree.

Students needing academic assistance may take advantage of College Preparatory courses in the areas of English, mathematics and reading.

CF Institute integrates noncredit activities and business and community services at CF.

Continuing Education provides a wide range of noncredit activities offered through the college. Educational and training activities that are coordinated through Continuing Education include offerings in insurance, real estate, career and personal development, computers, business, child care and health. In addition, a variety of workshops, seminars, conferences, and special programs such as Senior Institute are offered for professional development and continuing education. See page 94 for more information.

The Corporate Training Center responds to the immediate needs of the business community by providing a full range of services designed to improve employer and employee performance. The Corporate Training Center acts as a business consultant to the business community and provides various services such as assessment, business planning and customized training.

Opportunities to integrate classroom study with practical experience are found in the Cooperative Education program.

The college encourages students to participate in civic partnerships by engaging in community life and the responsibilities of democracy through service learning. Many instructors provide service learning opportunities as a component of the instructional requirements. A fundamental purpose of the service learning initiative is to help create student awareness of the importance of participating in one’s community.

Distance Learning is available to students through online courses and telecourses.

Adult General Education programs provide noncredit instruction for individuals seeking to improve their academic skills in reading, language and mathematics. Programs include
Adult Basic Education, ABE; General Education Development, GED; Vocational Preparatory Instruction, VPI; English for Speakers of Other Languages, ISOL; and Family Literacy.

The Florida Department of Health, Bureau of Emergency Medical Services has designated CF an **Emergency Medical Training Center**, offering both Emergency Medical Technician, EMT, and Paramedic training. The Paramedic program is accredited by the American Medical Association.

The City of Ocala Fire Department operates a fire station, complete with an advanced life support fire rescue unit, at the Ocala Campus. The facility offers not only protection to the campus and surrounding area, but excellent laboratory facilities for **Fire Science** and **Paramedic** students. Through a cooperative agreement with the City of Ocala Fire Department, Munroe Regional Medical Center has an advanced life support ambulance in service and responding from this station.

Police recruit training, corrections recruit training, law enforcement, corrections and correctional probation seminars, schools and courses are offered through the college’s **Criminal Justice Institute**, a nonprofit CF organization.

**International Students**

The college is committed to providing an educational environment that includes opportunities for interaction with and among students of many cultures. To allow for students from countries around the world to engage in learning activities, the college encourages the enrollment of non-immigrant alien students. International students are requested to follow the regular admission procedures and provide evidence of financial responsibility and English language proficiency. See International Students on page 22 for more information.

**College of Central Florida Foundation Inc.**

To assist the college in providing resources to supplement state dollars, the **College of Central Florida Foundation Inc.** provides private funding solicited from individuals, organizations and companies in the community.

**CF Arts and Culture**

College of Central Florida cultural centers include the Appleton Museum of Art, the Webber Gallery and the Charles R. Dassance Fine Arts Center. Through exhibits and programming, these facilities serve to enhance the cultural and learning life of the campus and community.

**The Webber Gallery:** The 3,900-square foot Webber Gallery, located at the Ocala Campus, was completed in summer 1995 and provides a nucleus of arts and cultural programs for students and faculty, as well as looking outward to embrace the ideas that energize our dynamic community. The Webber Gallery was built to host Smithsonian traveling exhibitions and also presents an annual calendar of local, state and other national exhibitions. Gallery exhibit hours are Tuesday to Friday from 11 a.m. to 5 p.m., and Saturday from 10 a.m. to 2 p.m. The gallery is closed on Sundays, Mondays and all college-observed holidays.

**Charles R. Dassance Fine Arts Center:** The 369-seat venue is integral to the programs offered through the Visual and Performing Arts Department, serving as a learning facility to theatre, dance and music programs. Additionally, the Visual and Performing Arts Department and many community based organizations use the facility to present annual performing arts programs by guest artists that add value to the campus cultural experience.

**CF Conference Centers**

From conferences and meetings to luncheons and weddings, the Conference Centers are well-equipped to make your event one to remember. The personal service and attention to detail have made the difference for thousands of satisfied customers.

**The Webber Conference Center** can be utilized for receptions, meetings, banquets and other special events of up to 150 people. The Conference Center is available for rent. There is a beautiful outdoor patio that can be set for weddings and outdoor events. Full service catering is available through Catering Services in this facility.

**The Klein Conference Center** expands CF’s conference capabilities. Trade shows, conventions, corporate meetings, weddings or business luncheons are just a few of the wide range of events that can be held in this versatile space. Services include the latest audiovisual capabilities and a fully equipped catering kitchen. Full service catering is available through Catering Services in this facility.

The Citrus Learning and Conference Center opened in October 2009. This multipurpose venue houses meeting and conference spaces ranging from 900 to 5,000 square feet. Amenities include the latest audiovisual capabilities and a fully equipped catering kitchen. All spaces are available for rent.

**CF University Center**

The University Center is located at the Ocala Campus and offers baccalaureate and advanced degrees through eight universities and colleges. Barry University, Capella University, College of Central Florida, Florida State University, Saint Leo University, University of Central Florida, University of Florida and Webster University are the partners offering degrees through the center. The Educator Preparation Institute is also at this location.

**Citrus Campus**

The Citrus Campus is located at 3800 S. Lecanto Highway in Lecanto, approximately three miles south of State Road 44. Complete admission and registration activities and advising are available. All general education core requirements may be taken at the Citrus Campus. Complete A.A. degrees as well as select A.S. degrees are also available at the Citrus Campus. Some specific electives and specialized A.S. degree programs may need to be completed at the Ocala Campus. Customized training is available for area businesses. A student lounge, library, learning support center and testing center are available to students of the Citrus Campus. In addition, the campus houses a bookstore branch that stocks textbooks and supply needs for courses offered at campus. The campus has a Student Activities Board and a variety of clubs and student life activities. The Citrus Campus also offers conference services available to the general public and the business community.
Hampton Center

The Hampton Center, located at 1501 W. Silver Springs Blvd. in Ocala, first opened in 1996. A new center re-opened in 2004 with a focus on health occupations and community outreach programs.

The Hampton Center includes three classrooms, a computer lab and dedicated labs for its health education programs. Academic programs offered at Hampton Center include the Associate in Science Degree in Physical Therapist Assistant and an Applied Technology Diploma in Dental Assisting. Students may build on the Dental Assisting Diploma to earn an Associate in Science Degree in Dental Assisting Technology and Management. This degree has three options in Dental Practice Management, Education and Marketing, as well as a variety of continuing education courses.

The Marion County Health Department dental clinic is conveniently located in West Ocala at the Hampton Center. This unique partnership between CF and the health department provides a broad range of dental services to ages 0–17, while serving as a clinical site for the CF Dental Assisting program.

Some specific community programs at the center include the Collegiate Advancement Program (CAP) and Shop Talk. CAP is an initiative to ensure students in grades 6-12 are college ready upon high school graduation. Shop Talk is a community health education program on cancer.

Levy Center

The Levy Center in Chiefland is located in the Providence Mall Shopping Center at 114 Rodgers Blvd. College credit courses, continuing education and adult education courses are offered at the Levy Center. A technical training center will open August 2012 at the site of the CF Jack Wilkinson Levy Campus located just north of Chiefland on Highway 19. Applied Welding Technologies is the first technical program that will be offered at the Jack Wilkinson Campus.

The Levy Center is increasing the number of college credit offerings for residents seeking associate degrees and college certificates. Eligible Levy County high school students may enroll for dual credit (high school and college), per an articulated agreement between the college and the Levy County School Board.

The adult education program includes General Education Development preparation, adult basic education, Adult High School, Vocational Preparatory Instruction and a program for adults with disabilities. Adult education classes may also be offered at-off site locations in Levy County. The center is an official GED testing site, administering the GED examination 10 times per year.

The Enrollment Services department provides full-time assistance with application for admission, advising, registration and financial aid to students at the Levy Center. Career assessment, computerized placement testing, and the Test of Adult Basic Education are administered at the Levy Center.

In addition to six classrooms, the Levy Center has two fully equipped computer labs, a career resource room and a community room which is available for meetings and special events. The community room also serves as a mini-Appleton gallery, with 20 prints of original art from the Appleton Museum of Art. The gallery was funded through a comprehensive family literacy grant and is available to Levy County school classes, the public and for local literacy and cultural activities.

Appleton Museum of Art

The Appleton Museum of Art, College of Central Florida, is one of the South’s premier art museums, collections and educational centers. Located at 4333 E. Silver Springs Blvd. (State Road 40), the museum is approximately four miles east of downtown Ocala.

As a vibrant cultural center for Ocala and the region, the Appleton Museum offers outstanding exhibits, lectures, films, workshops, tours, concerts, trips, school-related programs and volunteer opportunities for the community.

Educational programs are developed and scheduled to complement both temporary and long-term exhibitions. The museum’s weekly educational programs include a combination of lectures and presentations by scholars and artists, a film series, hands-on adult and children’s workshops, and docent-led tours.

The museum is a magnificent contemporary travertine marble building. The original two-story edifice was opened to the public in 1987. An additional wing, funded by Edith-Marie Appleton and state matching funds, opened in 1996. The Edith-Marie Appleton Education Wing houses an art library, classrooms, an art workshop and additional exhibition, office and storage space. A 2,662-square-foot Collections Storage Facility was added in 2009, expanding the museum to a total of 81,610 gross square feet.

The Appleton Museum of Art is open Tuesday through Saturday from 10 a.m. to 5 p.m., and Sunday from noon to 5 p.m. CF students are admitted free during regular museum hours with their CF ID card.
Important Information for Students, Employees and Guests

College of Central Florida offers equal access and opportunity in employment, admissions and educational activities. The college will not discriminate on the basis of race, color, ethnicity, religion, gender, age, marital status, national origin, genetic information or disability status in its employment practices or in the admission and treatment of students. Recognizing that sexual harassment constitutes discrimination on the basis of gender and violates this policy statement, the college will not tolerate such conduct.

College of Central Florida is an equal opportunity college and avows its belief in equal access and opportunity for all students, employees and guests of the institution. If you have a concern regarding discrimination or harassment, please contact:

<table>
<thead>
<tr>
<th>Equity Officer</th>
<th>Carol W. Smith, J.D.</th>
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<tr>
<td></td>
<td>Ocala Campus, Ewers Century Center</td>
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<tr>
<td></td>
<td>Room 201C</td>
</tr>
<tr>
<td></td>
<td>Telephone: 352-854-2322, ext. 1437</td>
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<tr>
<td></td>
<td>Email: <a href="mailto:smithc@cf.edu">smithc@cf.edu</a></td>
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</tbody>
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If you have concerns, other than discrimination or harassment that fall within one of the following categories, you should contact the representative listed below by that category:

<table>
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<tr>
<th>Americans with Disabilities Act Coordinator for Employees</th>
<th>Dr. Henri Benlolo</th>
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<tr>
<td></td>
<td>Ocala Campus, Bryant Student Union</td>
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<tr>
<td></td>
<td>Room 205D</td>
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<tr>
<td></td>
<td>Phone: 352-854-2322, ext. 1430</td>
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<td></td>
<td>Email: <a href="mailto:benloloh@cf.edu">benloloh@cf.edu</a></td>
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<tr>
<th>Americans with Disabilities Act Coordinator for Students</th>
<th>Kimberley J. Smith</th>
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<tbody>
<tr>
<td></td>
<td>Ocala Campus, Bryant Student Union</td>
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<td>Room 204F</td>
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<td>Ocala, FL 34474-4415</td>
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<tr>
<td></td>
<td>Phone: 352-854-2322, Ext. 1580</td>
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<tr>
<td></td>
<td>TDD: 352-873-5854</td>
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<tr>
<td></td>
<td>Email: <a href="mailto:smithk@cf.edu">smithk@cf.edu</a></td>
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</tbody>
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The college will make every effort to resolve concerns or problems as quickly as possible and to make reasonable accommodations for persons with disabilities. Below are links to specific documents:

- Discrimination, Harassment and/or Sexual Harassment Complaint Procedure for Employees and Students [http://www.cf.edu/about/procedures/Emp-Stud-disc-har-sex-procedure.doc](http://www.cf.edu/about/procedures/Emp-Stud-disc-har-sex-procedure.doc)
- Complaint Form for Discrimination, Harassment and/or Sexual Harassment Procedure [http://www.cf.edu/about/DiscriminationHarassmentReportingForm.doc](http://www.cf.edu/about/DiscriminationHarassmentReportingForm.doc)
- Observance of Religious Holidays Policy No. 3.18 [http://www.cf.edu/about/policy_manual_full.pdf](http://www.cf.edu/about/policy_manual_full.pdf)
- AIDS and Blood Borne Pathogens Policy No. 3.02 [http://www.cf.edu/about/policy_manual_full.pdf](http://www.cf.edu/about/policy_manual_full.pdf)

Copies of policies and procedures are also available from the Equity Officer and Human Resources Department located in Founders Hall, Ocala Campus. In compliance with state and federal regulations, the District Board of Trustees of the College of Central Florida has approved the above nondiscrimination policies and procedures to govern all areas of college operation including enrollment, admissions and equal opportunity employment. The following federal and state laws apply:

- Title VI of the Civil Rights Act of 1964 (Title VI), 34 CFR Part 100
- Title IX of the Education Amendments of 1972 (Title IX), 34 CFR Part 106
- Section 504 of the Rehabilitation Act of 1973 (Section 504), 34 CFR Part 104
- Vocational Education Programs Guidelines For Eliminating Discrimination and Denial of Services on the Basis of Race, Color, and National Origin, Sex and Handicap (Guidelines), 34 CFR Part 100 Appendix B
- Title II of the Americans with Disabilities Act of 1990 (ADA), 28 CFR Part 35
- ADA Amendments Act of 2008
- Genetic Information Nondiscrimination Act of 2008

College Equal Access/Equal Opportunity Policies and related procedures can be accessed on the college website at [http://www.cf.edu/about/equal_access.htm](http://www.cf.edu/about/equal_access.htm).
The College of Central Florida strives to provide accurate, honest and clear information in print, online, broadcast media or oral presentations. The college will make every effort to avoid misrepresentation to students and others in communications made in writing, visually, orally, or through other means. All misrepresentations should be avoided, however, this procedure specifically applies to the three areas covered by statute 20 USC § 1094(c)(3). Those three areas include:

- The nature of the institution’s educational programs.
- The institution’s financial charges.
- The employability of the institution’s graduates.
Admissions and Registration

Admissions Philosophy
Access to higher education is a concept held in high esteem at College of Central Florida. While emphasizing this concept, college officials believe that students should view this access as an opportunity carrying obligations which ensure realization of their goals.

General Institutional Admissions Requirements
As provided for in Florida Statute 1004.65, the College of Central Florida is an open-access institution. Admission for college credit studies is open to all high school graduates. It is essential that each applicant satisfactorily complete each phase of the admission process. Most degree programs at CF require an earned high school diploma, a signed affidavit attesting that the student has completed a home education program pursuant to the requirements of F.S.1002.41 or GED. If CF determines that a student’s high school has not met the criteria to award a standard high school diploma or a GED, then the student may be required to obtain a state-issued GED or a high school diploma from an acceptable school prior to being admitted into any program requiring a standard high school diploma. Some postsecondary certificate programs do not require a high school diploma.

A candidate for admission is assured that his/her application will be reviewed and evaluated in a fair and impartial manner. Students are still eligible to be admitted for programs that do not require high school completion.

No applicant will be refused admission on the basis of race, age, ethnic background, religious preference, disability or gender.

In order to maintain the college ideals of scholarship and demeanor, the right is reserved to deny admission to applicants for any reason which is deemed to be in the best interest of the college.

Subsequent registration is permitted for currently enrolled and former students when all college obligations have been satisfied.

When limited facilities or resources restrict the size of enrollment in certain programs, these programs are designated as "limited access." Criteria for admission to limited access programs can be found in the college catalog and on the college website at http://www.cf.edu/departments/instruction/limitedaccess.htm. Guidelines for eligibility into various programs are found within program descriptions in the catalog. Additional admission information may be obtained from the Office of Admissions and Records.

Criminal history: The college attempts to protect the safety of the campus community by screening applicants for admission or readmission who have a violent criminal record as well as by responding to information regarding violent illegal activity or new information concerning violent criminal charges. This does not automatically preclude an applicant from gaining admission or readmission to the institution. In order to maintain a safe environment conducive to student learning, the right is reserved to deny admission to applicants for any reason deemed to be in the best interest of the college. The college also reserves the right to establish special conditions on admission, if such conditions are deemed necessary to assure a safe learning environment.

College Credit Division
All college credit students must be high school graduates, GED recipients, home school completers, or qualified early admission/dual enrollment students.

Students can be admitted to credit courses at CF under one or more of the following classifications.

New degree-seeking: Students can earn either the Associate in Arts, Associate in Science, Bachelor of Applied Science or Bachelor of Science degree. After the student’s application is processed, the Office of Admissions and Records sends the student an email with specific instructions; including the student’s CF ID. The student must submit all required documents and official transcripts to be admitted. Once admitted, the student will receive an email with information about the orientation and registration process for all new degree-seeking students. If attending classes primarily at the Citrus Campus or Levy Center, call for information.

Nondegree: Students can take selected college courses without intending to complete an associate degree program. Many students attend to upgrade employment skills, for career exploration, teacher recertification, audit, or for personal objectives. A nondegree applicant must submit a completed application and a one-time, nonrefundable application fee. After the application is processed, the student can complete the registration process at the Enrollment Services Center at the Ocala Campus, Citrus Campus or Levy Center. Registration occurs during the general registration period.

A nondegree status student cannot be certified for financial aid or veterans’ benefits. If a student wishes to pursue a degree, he or she must contact the Enrollment Services Center and indicate a desire to be changed to a degree-seeking status.

Some courses are closed to nondegree seeking students.

Audit: Students who do not wish to gain college credit for courses taken may audit. Audit students will follow the regular registration and payment process. During the posted add/drop period ONLY, students may submit a request to change to audit status in the Enrollment Services Center at the Ocala Campus, Citrus Campus or Levy Center. After the add/drop period, status cannot be changed to or from audit.

Transient: Students who have a home college other than CF can complete a course(s) at CF. Transient students must present a transient form from their home college. The form must specify the courses that the college has approved for the student to take at CF. If the student decides to change enrollment status to
with a nonrefundable, one-time $30 application fee. Transient students may only register in person in the Enrollment Services Center during the general registration period.

**Teacher certification**: Students can complete courses to maintain their teacher certification. Teacher certification students may register in the Enrollment Services Center during general registration for any course that does not have a prerequisite. If CF has received and evaluated college transcripts, the student will have much greater flexibility in course selection.

**State employees**: Students using the State Employee Tuition Waiver may register during the add period ONLY. Check the college calendar on page 6 of this catalog for these dates. Each semester, the waiver covers six credit hours of tuition. The state employee must complete the Application for State Employee Fee Waiver and submit it to the Office of Financial Aid.

Most **college credit certificate-seeking** students pursue a one-year program of study.

**Transfer**: Students who have previously registered at any other postsecondary institution(s), regardless of the amount of time spent or credit earned, are transfer students. They can be degree-seeking or nondegree-seeking.

**Returning**: Students or those who have previously applied and paid an application fee, will not be charged a second application fee. Students who return to CF who have not been continuously enrolled (defined as earning one credit hour or more in one academic year) will need to complete a readmission application as well as the academic requirements of the current catalog in effect. Any full- or part-time student has five calendar years of continuous enrollment after he/she returns to complete degree requirements under the catalog in effect when returning.

Students seeking to return to the ADN (Associate in Science Degree Nursing) program must follow procedures outlined.

**International**: Students who are residents of countries other than the United States are international students. See the section on International Students on page 22 for more information.

Regardless of which classification is appropriate, the student is considered either **full-time** (enrolled for 12 or more credits in a regular 16-week semester) or **part-time** (enrolled for fewer than 12 credits in a regular 16-week semester). Also, a student is considered to be a **freshman** if 29 or fewer credit hours have been earned, or a **sophomore** if more than 29 credit hours have been earned.

**Application and Application Fee**

All students must submit a completed online application, along with a nonrefundable, one-time $30 application fee.

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**Substitutions for Eligible Students with Disabilities**

Eligible students with disabilities may be provided special considerations for reasonable substitution for any requirement for admission to the institution, admission to a program of study or area of interest, or graduation. Florida State Board of Education Rule 6A-10.041 authorizes reasonable substitution for these requirements to any person who has a hearing impairment, visual impairment or a specific learning disorder. Substitutions will only be utilized in cases where the person’s failure to meet the requirement is related to the disability and where the failure to meet the requirement does not constitute a fundamental alteration in the nature of the program. For procedures regarding substitutions contact the director of Access Services 352-854-2322, ext. 1580, TDD 352-873-5854.

**High School and Transfer Students**

**High school graduates** are required to submit final official high school transcripts, proof of GED or home school affidavit to the Enrollment Services Center or the Office of Admissions and Records at any CF campus or center.

**Transfer students** are required to submit official transcripts from each institution that they have previously attended at the time that they apply or readmit to CF. To be considered official, transcripts may be either sent directly to CF from the issuing institution or be delivered in a sealed envelope sealed by the issuing institution. Official transcripts may be submitted to the Enrollment Services Center or the Office of Admissions and Records at any CF campus or center. The Office of Admissions and Records will evaluate these transcripts and post all accepted transfer courses to the student’s permanent academic record.

Transfer students who do not have transcripts on file showing completion of college preparatory or college-level English and mathematics will be required to take a placement test.

Students seeking the Associate in Science degree who possess an Associate in Arts or higher degree have already satisfied core requirements as listed in the Academic Requirements section of the college’s catalog.

**Non-U.S. and non-accredited transfer** students previously enrolled in non-accredited or non-U.S. postsecondary institutions and received no federal financial aid only need to submit official transcripts if they want coursework from those institutions considered for transfer to the College of Central Florida. Students choosing this option may not request to have these transcripts evaluated for transfer credit once the choice is made.

Students who want to have postsecondary coursework from a non-U.S. college or university considered for transfer to CF must submit official postsecondary transcripts in English, complete with course-by-course evaluation. Students must also include translated course descriptions for the courses they want to have considered for transfer. Students must use World Education Services Inc (www.wes.org), Josef Silny & Associates (www.jsilny.com) or SpanTran Educational Services (www.spantran-edu.org) for transcript translation and evaluation. These documents must be submitted prior to the first semester of enrollment.
Dual Enrollment

The State Board of Education encourages colleges and school boards to enter into agreements to offer college courses to selected high school students who have exhausted their school’s curriculum and qualify for dual enrollment status. For eligibility information, procedures and important dates and deadlines, go to the college’s dual enrollment Web page at http://www.cf.edu/departments/sa/dual.htm. As provided for by current legislation, colleges may waive the student’s application, tuition and applicable fees. CF has such agreements with Citrus, Levy and Marion public school districts. Students who believe they might qualify for the dual enrollment classes should discuss this possibility with their high school counselors. High school students can take dual enrollment courses on some high school campuses and on the college campuses. (See Career Pathways on page 88 for more information.)

Early Admission

Another acceleration opportunity exists in the college’s early admission program designed for students who have completed the 11th grade and wish to attend the college as full-time students (12 credits or more) during the high school senior year. All dual enrollment and early admission candidates must submit an application, appropriate test scores (PERT, ACT, SAT, or equivalent), and a high school transcript verifying unweighted GPA. Once these materials are on file with the admissions and records specialist for Dual Enrollment, the application will be evaluated and the student will be notified officially of acceptance. Public, home schooled and approved private school students are exempt from the application fee and tuition.

International Students

College of Central Florida has an Office of International Student Services to assist international students in making the transition from their home countries to CF. The staff will gladly assist students with immigration regulations, educational planning, personal problems and other areas of concern.

College of Central Florida is authorized by United States Citizenship and Immigration Services to enroll nonimmigrant alien students. These students are required to complete and submit an international student application packet no later than 90 days prior to the first class day of the semester of admission. The application packet must include:

1. A completed International Student Application.
2. A $30 nonrefundable application fee (U.S. dollars).
3. Official, original, final high school diploma or secondary school leaving certificate in English including a date of completion.
4. Official, original, final high school or secondary school transcripts in English. Transcripts from schools outside of the U.S. must be evaluated, at the student’s expense, by an independent agency that evaluates foreign credentials. CF will accept such documentation from World Education Services Inc. (www.wes.org), Josef Silny & Associates (www.jsilny.com), SpanTran Educational Services (www.spantran-edu.org) or independent, academic-credential translating/evaluating agents contracted with the USA Community College Consortium.

5. International students wanting to have postsecondary coursework from a non-U.S. college or university considered for transfer to CF must submit official postsecondary transcripts in English, complete with course-by-course evaluation. Students must also include translated course descriptions for the courses they want to have considered for transfer. Students must use World Education Services Inc. (www.wes.org), Josef Silny & Associates (www.jsilny.com) or SpanTran Educational Services (www.spantran-edu.org) for transcript translation and evaluation. These documents must be submitted prior to the first semester of enrollment.

6. Financial responsibility: In order to be issued a Form I-20 (Certificate of Eligibility of Non-immigrant F-1 Student Status), applicants must provide evidence of financial responsibility and have sufficient funds to pay college matriculation and tuition fees, textbook costs, medical and living expenses, and health insurance. Financial aid is not available to non-immigrants and CF does not offer scholarships to international students. The Confidential Financial Statement and the Financial Support Information form need to be completed. A bank letter dated within the past three months must also be included in the admissions packet. All of this financial information must be submitted before the student will be considered for admission. A non-immigrant student may not be employed off campus while attending college in the United States unless the USCIS has granted permission. When you request a student packet of information, a Confidential Financial Statement and a Financial Support Information form will be included.

7. Fees are subject to change every academic year. Tuition and fees are payable in full by the due date shown on the fee statement of the student’s registration schedule. Each semester the student is enrolled, he/she should print the registration schedule and make note of the due date for paying tuition and fees. If tuition and fees are not paid in full or before this due date, the student will be dropped (purged) from all classes. (NOTE: The payment due date does not change when you add and drop classes. If such action results in more fees to be paid, the student must do so within 24 hours.)

8. Health and Accident Insurance: Insurance is MANDATORY. International students on F-1 or M-1 visas must provide proof of medical insurance in advance of the intended semester of enrollment. This insurance must be continued for the entire period of enrollment. International students must provide evidence of insurance coverage prior to registration each semester. Contact the Office International Student Services at CF for details about the insurance coverage requirements.

9. The deadline for submitting ALL required paperwork is 90 days before classes begin. Your application will not be processed until CF receives ALL the required paperwork.

10. When a student is accepted for admission, a letter of acceptance with a date for a MANDATORY orientation and an I-20 will be sent.

Other requirements to maintain non-immigrant student status:

1. Enroll for a minimum of 12 credit hours during the fall and spring semesters. Failure to maintain enrollment will result in the loss of student status and possible deportation.
2. Successfully complete a minimum of 24 semester hours in one academic year.
3. Maintain an overall 2.0 grade point average, GPA.
4. Maintain lawful F-1 visa status with the U.S. Citizenship and Immigration Services. Students may not enroll beyond the expiration date of their I-20 form.
5. Students are responsible for knowing the expiration dates of their I-20 form, their visa and their passport.
6. Comply with all CF rules and regulations. Students who do not meet the above regulations will not be permitted to register for subsequent semesters.
7. International students are not permitted to work off campus with out USCIS authorization. On-campus employment is permitted. Please contact International Student Services for additional information.

Admissions Requirements for Baccalaureate Programs

Admission to the Bachelor of Applied Science in Business and Organizational Management requires that an applicant has already earned an A.S. or A.A. and have earned at least a 2.0 grade point average on a 4.0 scale prior to being admitted. Students can apply during their final semester in an A.S. or A.A. program, but acceptance will not be granted until the completion of the associate degree has been confirmed. Students must also complete a baccalaureate program application and pay the application fee.

Admission to the Bachelor of Science in Early Childhood Education requires that an applicant has already earned an A.S. or A.A. and have earned at least a 2.5 grade point average on a 4.0 scale, completed the three prerequisite courses (EDF 2005 Introduction to the Teaching Profession, EDF 2085 Introduction to Diversity for Educators, and EME 2040 Introduction to Technology for Educators), and passed the General Knowledge Exam prior to being admitted. Students can apply during their final semester in an A.S. or A.A. program, but acceptance will not be granted until the completion of the associate degree has been confirmed. Students must also complete a baccalaureate program admission application and pay the application fee.

Students articulating with an A.S. degree will need to complete additional general education courses to meet the 36-credit hour requirement. Students articulating with an A.A. degree may need to complete some upper-level core course prerequisites. Students must meet the SACS requirement for residency, which requires that CF award at least 25 percent of the program courses in the declared major. This means that 15 of the 60 upper level (3000/4000) course credits must be taken at College of Central Florida.

Servicemember’s Opportunity College

Students may benefit from the college’s special efforts to aid servicemembers in securing a postsecondary education. The American Association of Community Colleges has designated College of Central Florida as a Servicemember’s Opportunity College. Aside from stated and traditional means of obtaining credit toward most associate degrees, the following special policies, procedures and services are available to active-duty servicemembers, the National Guard, reserves, new recruits and veterans:

- Certain credits may be earned by satisfactory completion of College Level Examinations. (See CLEP Policy on page 31.)
- Credit can be given through relevant validated military service training, including military service schools, United States Armed Forces Institute, USAFI courses, and acceptable college-level GED test scores.
- In recognition of the advanced academic and technical content of many military education experiences, CF will grant credit for military education in certain cases. After enrollment in the college, a student may initiate the request for such credit by providing appropriate documentation as determined by the college. Recommendations in the A.C.E. Guide are advisory in nature and are not binding upon the college.
- Students enrolling in occupational certificate programs are eligible to satisfy up to 20 percent of the program’s competencies through military service credit. The competencies will be awarded after a student satisfactorily completes eight weeks of instruction in the appropriate occupational program. Transcripts should be submitted to the Office of Admissions and Records for evaluation.

Special Requirements

Audit Students

Students will follow the regular registration and payment process. During the posted add/drop period ONLY, students may submit a request to change to audit status in the Enrollment Services Center at the Ocala Campus or Citrus Campus. Exceptions to the audit policy require approval of the dean and will count as an attempt. The audit policy is not applicable to Health Sciences, Criminal Justice, science labs, and college preparatory and dual enrollment students. (See Grade Forgiveness and Withdrawal policies on page 66).

Child Care Students

To comply with Florida law, Chapter 402.3055, each prospective student must be fingerprinted and undergo a criminal background check, reference check and tuberculosis test. The cost of these procedures is the responsibility of the student. Information received is confidential and is required to determine the prospective student’s ability to work with children.

Criminal Justice Students

See Criminal Justice Technology on page 104 and Law Enforcement Officer on page 129 for more information.

Degree-Seeking Students

Placement Testing: Degree-seeking applicants to any university or community college in the Florida state system must present placement test scores taken within the last two years as part of the application process. CF accepts any of the three tests authorized by the state (ACT, SAT or the Postsecondary Education Readiness Test). PERT is the official placement test for state colleges in Florida. CF regularly offers PERT at its campuses. Placement tests provide information about the reading, English and mathematics skills that are required for success in college. By assessing ability levels in these
areas, placement tests help determine the most appropriate English, mathematics and reading courses students should take. Scoring below the required cut-off score indicates the student is not ready for college-level work in the specific area. Florida requires these students to complete college preparatory course work prior to entering college-level work in the weak areas.

New degree-seeking students may not register for classes unless CF has placement test scores on file. PERT sample test question booklets and ACT and SAT registration packets are available at the CF Ocala Campus Testing Center (Bryant Student Union, Room 205), as well as at the Citrus Campus Counseling Office.

Suspended Students
A student who has been placed on academic suspension and is ineligible to return to CF or the previous institution attended must file a petition for admission to CF. The student must schedule a return from suspension appointment with an admissions specialist. See Petitions, Grievances and Academic Review on page 67 for petitions information.

Transient Students
**Transient students** must submit a transient form showing good standing from their home institution prior to registering at CF. The transient form must also list those courses in which the student wishes to enroll, as well as their residency status for tuition purposes.

Transfer Students
Transfer students must be eligible to return to the last institution attended for admission to CF through regular procedures. Those who have been suspended from another institution or who have a 20 or more grade point deficit are required to file a petition for admission. See Petitions, Grievances and Academic Review on page 67 for petitions information. Students entering with a grade point deficit of 1-19 will be on academic probation.

Residency Requirements

**Florida Resident Information and Requirements**

All applicants for admission to College of Central Florida, degree-seeking or nondegree-seeking, full-time or part-time, are required to execute a Residency Affidavit if they claim in-state residence. If the applicant is under 24 years of age and unmarried, the affidavit must be completed by a parent or legal guardian. These guidelines implement Sections 1009.21, Florida Statutes, and Rule 6A-10.044, Florida Administrative Code, for the purpose of determining residency status for tuition purposes in public state colleges and universities.

A Florida resident for tuition purposes is a person who has, or a dependent person whose parent or legal guardian has, established and maintained legal residence in Florida for at least 12 months immediately prior to the first day of classes for the semester in which residency status is sought. **Anyone not establishing residency by this date must apply for reclassification in a following semester.** Residence in Florida must be for the purpose of establishing a bona fide domicile and not merely incidental to enrollment at an institution of higher education. Other persons not meeting the 12-month legal residence requirement may be classified as Florida residents for tuition purposes only if they fall within one of the limited special categories authorized by the Florida Legislature. All other persons are ineligible for classification as a Florida resident for tuition purposes. To qualify as a Florida resident for tuition purposes, it is necessary to be a U.S. citizen, a permanent resident alien or a legal alien granted indefinite stay by the Department of Homeland Security. Living in or attending school in Florida will not, in itself, establish legal residence. Students who depend on out-of-state parents for support are presumed to be legal residents of the same state as their parents. Documents supporting the establishment of legal residence must be dated, issued or filed 12 months immediately prior to the first day of classes of the semester for which a Florida resident classification is sought.

A copy of the most recent tax return or other documentation may be requested to establish dependence/independence. A dependent child is defined as a person, whether or not living with his or her parent, who is eligible to be claimed by his or her parent as a dependent under the federal income tax code. An independent person is defined as someone 24 years of age or older or who provides more than 50 percent of his or her own support as defined by the Internal Revenue Service.

**Establishing Residency**

A Florida resident for tuition purposes must qualify in one of the following categories:

1. A person, or if that person is a dependent child, his or her parents, must have established legal residence in Florida and must have maintained legal residence in Florida for at least 12 consecutive months immediately prior to his or her initial enrollment in an institution of higher education at which Florida resident classification is sought.

2. A dependent person who has resided for five years with an adult relative other than his or her parents or legal guardian, and whose said relative has maintained legal residence in Florida for at least 12 consecutive months immediately prior to the child’s initial enrollment in an institution of higher education at which Florida resident classification is sought, provided the dependent has resided continuously with this relative for five years prior to enrollment and the adult relative has exercised day-to-day care, supervision, and control of the child.

3. Married to a person who has maintained legal residence in Florida for at least 12 consecutive months immediately prior to his or her initial enrollment in an institution of higher education at which Florida resident classification is sought, has established legal residence, intends to make Florida his or her permanent home and who has relinquished legal ties to any other state.

4. Persons who were enrolled as Florida residents for tuition purposes at a Florida public institution of higher education, but who abandon Florida residency and then re-enrolled in Florida within 12 months of the abandonment.

5. Active duty members of the armed services of the United States, residing or stationed in Florida, and active members of the Florida National Guard who qualify under S.250.10 (7) and (8) for the tuition assistance program, (and spouse/dependent child) or military personnel not stationed in Florida, whose home of record or state of legal residence certificate, DD Form 2058, is Florida.
6. Active duty members of the armed services of the United States, and their spouses attending a public community college or university within 50 miles of the military establishment where they are stationed, if such military establishment is within a county contiguous to Florida.

7. United States citizens living on the Isthmus of Panama, who have completed 12 consecutive months of college work at the Florida State University Panama Canal Branch, and their spouses and dependent children.

8. Full-time instructional and administrative personnel employed by the state public school system, community colleges and institutions of higher education (and spouse/dependent children).

9. Students from Latin America and the Caribbean who receive scholarships from the federal or state government. The student must attend, on a full-time basis, a Florida institution of higher education.

10. Full-time employees of state agencies or political subdivisions of the state when the student fees are paid by the state agency or political subdivision for the purpose of job-related law enforcement or corrections training.

11. United States citizens living outside of the United States who are teaching at a Department of Defense Dependent School or in an American International School and who enrolled in a Florida State Board of Education-approved graduate level education program which leads to a Florida teaching certificate.

12. Qualified beneficiaries under the Florida Pre-Paid Postsecondary Expense Program per § 1009.98(2)(a)1.

13. A dependent child, whose parents are divorced, separated or otherwise living apart will be considered a resident for tuition purposes if either parent is a legal resident of Florida, regardless of which parent is entitled to claim, and does in fact claim, the minor as a dependent pursuant to federal individual income tax provisions.

14. Active duty members of the Canadian military residing or stationed in Florida under the North American Air Defense agreement, and their spouses and dependent children, attending a public community college or university within 50 miles of the military establishment where they are stationed.

**NOTE:** Documentation in support of the above qualifications is required.

### Documents for Proof of Residency

To qualify as a resident for tuition purposes, an applicant or the dependent applicant’s parent/legal guardian must establish and maintain legal residency in Florida. The documents supporting the establishment of legal residency must be dated, issued or filed 12 months immediately prior to the first day of classes of the semester for which a Florida resident classification is sought. These supporting residency documents must be received in the Registrar’s Office by the end of the regular posted add/drop period for that semester. All documentation is subject to verification. Additional documentation, other than what is stated below, may be requested in some cases.

At least one document must be issued 12 months immediately prior to the first day of classes of the semester for which a Florida resident classification is sought. NO SINGLE DOCUMENT SHALL BE CONCLUSIVE.

1. The documents must include at least one of the following:
   - a Florida voter’s registration card
   - a Florida driver’s license
   - a State of Florida identification card (must not possess a valid driver’s license from another state)
   - a Florida vehicle registration
   - proof of a permanent home in Florida which is occupied as a primary residence by the individual or by the individual’s parent if the individual is a dependent child
   - proof of a homestead exemption in Florida
   - transcripts from a Florida high school for multiple years if the Florida high school diploma or GED was earned within the last 12 months
   - proof of permanent full-time employment in Florida for at least 30 hours per week for a 12-month period

2. The documents may include one or more of the following:
   - a declaration of domicile in Florida
   - a Florida professional or occupational license
   - Florida incorporation
   - a document evidencing family ties in Florida
   - proof of membership in a Florida-based charitable or professional organization
   - any other documentation that supports the student’s request for resident status, including, but not limited to, utility bills and proof of 12 consecutive months of payments; a lease agreement and proof of 12 consecutive months of payments; or an official state, federal or court document evidencing legal ties to Florida.

**NOTE:** Retroactive changes and refunds for prior semesters will not be made.

### International/Eligible Non-Citizen Categories

1. Resident aliens, parolees, asylees, refugees, or other persons married to U.S. citizens, and temporary or permanent residents.


### Reclassification

It is important to understand that living in or attending school in Florida is not sufficient evidence to establish residency for tuition purposes. Students must show that they were in Florida to maintain a bona fide domicile. The reclassification process is not automatic. Students who wish to be considered for a reclassification must submit a petition for reclassification no later than the posted add/drop period of the semester for which they desire the reclassification. The following hard copy evidence may be accepted as evidence of establishing legal residence in Florida:

1. For independent students, if appropriate, obtain student tax returns, affidavits, employment records, bank accounts, etc., and at least three documents of legal residency dated at least 12 months immediately prior to the first day of classes of the semester for which legal residency is sought. (See previous list of acceptable evidence.)

2. For dependent students, if dependent on a Florida resident parent/legal guardian, obtain from parent/legal guardian:
   - proof of dependent status, and
b. at least three documents of legal residency pertaining to the parent/legal guardian that are dated 12 months immediately prior to the first day of classes for the semester in which residency is sought. (See previous list of acceptable evidence.)

3. If dependent on out-of-state parent/legal guardian, student may be reclassified only under rare circumstances in which the student’s age and general circumstances warrant the reclassification (e.g., graduate student, married, is supporting a dependent child or adult).

4. For students seeking reclassification under an exceptional category, hard copy documentation appropriate to the particular category (e.g., marriage certificate, military orders, teaching contract, etc.) is required.

NOTE: Retroactive changes and refunds for prior semesters will not be made.

Appeals
Students may appeal their residency or reclassification decision in accordance with Florida Statute 1009.21(11).

1. The student must appeal to the registrar or designee with the Admissions and Records Office prior to requesting an appeal from the committee.

2. The student must complete the Appeal for Florida Residency Classification for Tuition Purposes Form and state the reason(s) for appealing the residency decision. The explanation should address any information that was not previously submitted or considered.

3. A copy of all new and previously submitted documents supporting the Florida residency claim must be attached to the form.

4. The form must be signed by the student and submitted with all required documents to the Enrollment Services Center.

5. The registrar or designee will review the request to ensure that the student already appealed to the appropriate personnel. If not, the registrar or designee will initiate that process, sign the appeal form, and forward it to the vice president of Student Affairs Office with all attached documents and any necessary comments within five business days of receipt of the completed appeal form.

6. At its regularly scheduled meetings, the Academic Exceptions and Petitions Review Committee will review the appeals submitted for that month. The committee may request additional information from the student or registrar in order to make its decision.

7. Upon review, the committee will inform the student of its decision in writing.

8. The Academic Exceptions and Petitions Review Committee’s decision is final and may not be appealed.

Workforce Admissions Procedure
Area Vocational Education School (Occupational Certificate Programs)
A new student seeking an occupational certificate must:

a. complete a college application for admission

b. complete the Test of Adult Basic Education or the Postsecondary Education Readiness Test

c. pay the appropriate application fee.

After completion of the steps above, if there is space available in the program, the new applicant must register through the Workforce division advisor in Building 17 (Ocala Campus). Students may pay fees by mail or at the Cashier’s window in the Bryant Student Union at the Ocala Campus, Citrus Campus or Levy Center administrative offices.
Testing Information

The CF testing centers at the Ocala, Citrus, Levy and Hampton Center locations offer a variety of testing services required for admission and placement into academic and vocational programs, as well as for special fields of training. CF testing centers offer many other types of tests to students, to local industries, and to the public. Such tests include interest inventories, values inventories, personality inventories, employment development inventories, career assessment, computer skills tests, occupational skills tests, aptitude tests, achievement tests, college major interest tests, college adjustment scales, academic skills tests, customer service skills tests, professional employment tests, temperament analysis tests, personnel tests, and many others.

Details on all testing services such as testing dates, cost, test duration, retake policies and other testing requirements are available in the testing centers at the four college locations.

Appropriate disability-related accommodations are available for testing center services. For more information, visit the Access Services office website at http://www.cf.edu/departments/ss/access/.

Placement cut scores for degree-seeking, first-time-in-college students began with the January 1995 semester, approved by the State Board of Education (F.A.C. Rule 6A-10.0315, College Preparatory Testing, Placement and Instruction, as amended).

Placement Test Scores

Reading

<table>
<thead>
<tr>
<th>Course</th>
<th>ACT Reading</th>
<th>SAT I Reading</th>
<th>CPT Reading</th>
<th>PERT Reading</th>
</tr>
</thead>
<tbody>
<tr>
<td>College Level Courses</td>
<td>18 or higher</td>
<td>440 or higher</td>
<td>83 or higher</td>
<td>104-150</td>
</tr>
<tr>
<td>REA 0007</td>
<td>13 and below</td>
<td>329 and below</td>
<td>0-59</td>
<td>50-83</td>
</tr>
<tr>
<td>REA 0017</td>
<td>14-17</td>
<td>330-439</td>
<td>60-82</td>
<td>84-103</td>
</tr>
</tbody>
</table>

English

<table>
<thead>
<tr>
<th>Courses</th>
<th>ACT English</th>
<th>SAT I Writing</th>
<th>CPT Writing</th>
<th>PERT Writing</th>
</tr>
</thead>
<tbody>
<tr>
<td>College Level Courses</td>
<td>17 or higher</td>
<td>440 or higher</td>
<td>83 or higher</td>
<td>99-150</td>
</tr>
<tr>
<td>ENC 0015</td>
<td>12 and below</td>
<td>329 and below</td>
<td>0-59</td>
<td>50-89</td>
</tr>
<tr>
<td>ENC 0025</td>
<td>13-16</td>
<td>330-439</td>
<td>60-82</td>
<td>90-98</td>
</tr>
</tbody>
</table>

Mathematics

<table>
<thead>
<tr>
<th>Course</th>
<th>ACT Mathematics</th>
<th>SAT I Mathematics</th>
<th>CPT Math</th>
<th>CPT CLM</th>
<th>PERT Math</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAT 0990, MGF 1106, MGF 1107, MTB 2023, STA 2023, STA 2023H</td>
<td>18 and below</td>
<td>439 and below</td>
<td>0-69 (Arithmetic Score) 0-71 (Algebra Score)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MAT 1033</td>
<td>19 or Higher*</td>
<td>440 or higher*</td>
<td>72-94 (Algebra Score)</td>
<td>95 or higher*</td>
<td>40-69*</td>
</tr>
<tr>
<td>MAC 1105, MAC 1140, MAC 1147, MAE 2801</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>113-122</td>
</tr>
<tr>
<td>MAC 1114</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>70-102*</td>
</tr>
<tr>
<td>MAC 2233, MAC 1140, MAC 2311</td>
<td></td>
<td></td>
<td></td>
<td>95 or higher*</td>
<td>103-120*</td>
</tr>
<tr>
<td>* Students who wish to place higher than MAT 1033 must also take the College Level Math exam, CLM, and score a 40 or higher.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>**Students who wish to place higher than MAC 1105 or equivalent must also take the College Level Math exam, CLM, and score a 40 or higher.</td>
<td></td>
<td></td>
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<td></td>
<td></td>
</tr>
</tbody>
</table>

The above information was compiled by the CF Testing Center, formulated from test and score requirements in effect at the date of publication, and is subject to change. It is recommended that students with scores below the minimum on SAT I or ACT take the PERT for correct placement into college preparatory classes or for exemption.
Placement Test Scores for non-Native English Speakers and Enrollment in ESL and Degree Program Courses:

<table>
<thead>
<tr>
<th>CPT Individual scores in the skill areas below:</th>
<th>EAP Level 1 Courses</th>
<th>EAP Level 2 Courses</th>
<th>College Prep Level 1 Courses</th>
<th>College Prep Level 2 Courses</th>
<th>Degree Program Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPT Reading Comprehension and Sentence Skills</td>
<td>49 or below the student is placed in EAP level 1 courses</td>
<td>Score of 50-60 the student is placed EAP level 2 courses</td>
<td>Score of 61-71 the student is placed in college prep level 1 courses</td>
<td>Score of 72-82 the student is placed in college prep level 2 courses</td>
<td>Score of 83 or above in both skill areas allows student to take degree courses</td>
</tr>
</tbody>
</table>

Please note that placement may also include consideration of transfer credits that individual students may have, spoken and written English proficiency, and any TOEFL, IELTS or STEP/EIKEN test scores that are presented at time of course placement and registration.

English as a Second Language, ESL

English as a Second Language credit courses for academic purposes at College of Central Florida are listed in the catalog under the college prep heading beginning with the code EAP. These credit courses are designed to prepare a non-native English speaker for success in a chosen degree program. If a student needs to improve English skills before beginning academic classes, this program is ideal. The ESL program improves English skills, including grammar, reading, writing, listening and speaking.

An interactive language laboratory, online tutorials and free tutoring assistance are just a few of the tools that are available to students in the ESL program. In addition, an ESL advisor will help students meet goals for transition into an academic program.

Placement Testing

CF does not require a Test of English as a Foreign Language, TOEFL, for international student admission. All new CF students must take the required Florida placement test to assess their English and mathematics proficiency. Students whose test results show adequate skills will be eligible for college-level, degree course work. Others will be required to take ESL classes until language requirements have been met.

If you have a TOEFL, International English Language Testing System, IELTS, or Society for Testing English Proficiency, STEP, score, no older than 12 months, the following chart shows your placement for degree credit courses only. These test scores will only be accepted before students begin course work. Any new students submitting test scores at or above approved degree credit course level, as indicated in the graph, must still take the Florida placement test before registration to ensure appropriate placement in mathematics.

<table>
<thead>
<tr>
<th>TOEFL</th>
<th>IELTS</th>
<th>STEP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Degree credit courses</td>
<td>61 and above</td>
<td>173 and above</td>
</tr>
<tr>
<td></td>
<td>5.5 and above</td>
<td>Grade 2A and above</td>
</tr>
</tbody>
</table>

Registration

After placement testing each student will meet with the director of ESL for assessment and the academic advisor for registration in the appropriate courses.

Admission Procedures

After the student’s application is processed, the Office of Admissions and Records sends the student an email with specific instructions; including the student’s CF ID. The students must submit all required documents and official transcripts to be admitted. Once admitted, the student will receive an email with information about the orientation and registration process for all new degree-seeking students. Any changes in address, name, marital status, residency or citizenship should be reported promptly to the Enrollment Services Center or changed by logging into the CF student portal.

Credit By Examination

College of Central Florida welcomes a variety of students of all ages to our campus. Many students bring a depth of knowledge to specific subjects. We recognize and honor such knowledge by awarding credit by examinations. Section 1007.27 (2), Florida Statutes, requires the Articulation Coordinating Committee, ACC, to establish passing scores and course and credit equivalents for such exams. Public community colleges and universities in Florida are requested to follow the ACC’s recommendation concerning their examination policies. Credit awarded by exam may not duplicate other credit. Institutions may not award credit for scores below those listed by the ACC. CF students may satisfy up to 45 semester hours of course credit through any combination of credit by examination (e.g., CLEP, AP, IB, Dantes and/or Excelsior College). Hours toward graduation are recorded as “credit by examination” with no grades or quality points given. These credits do not affect a student’s grade point average. Score minimums, credit hours awarded and course equivalents awarded are subject to change for any examination without prior notice.
## AICE Policy

Course Credit Awarded for Cambridge AICE (British A-Level) Examinations

<table>
<thead>
<tr>
<th>Course</th>
<th>Passing Score of A, B, C, D, E</th>
<th>General Education Credit for A.A. Degree</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accounting (AS-level)</td>
<td>ACG 2001 (3 cr.)</td>
<td>Part A Biological Science</td>
</tr>
<tr>
<td>Accounting (A-level)</td>
<td>ACG 2001 (3 cr.) and ACG 1888 (3 cr.)</td>
<td>Part A Biological Science</td>
</tr>
<tr>
<td>Art and Design (AS-level)</td>
<td>ART 1888 (3 cr.)</td>
<td>Part A Biological Science</td>
</tr>
<tr>
<td>Art and Design (A-level)</td>
<td>ART 1888 (6 cr.)</td>
<td>Part A Biological Science</td>
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<td>BSC 2005C (4 cr.)</td>
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<td>Biology (A-level)</td>
<td>BSC 1010C (4 cr.) and BSC 2005 (3 cr.)</td>
<td>General Education Credit for A.A. Degree</td>
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<td>Business Studies (AS-level)</td>
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<tr>
<td>Business Studies (A-level)</td>
<td>GEB 1011 (3 cr.) and GEB 1888 (3 cr.)</td>
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<tr>
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<td>Chemistry (A-level)</td>
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<td>Computing (A-level)</td>
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<td>Design and Technology (A-level)</td>
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<td>Economics (A-level)</td>
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<td>ENC 1101 (3 cr.)</td>
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<td>ENC 1101 (3 cr.) or ENC 1102 (3 cr.)</td>
<td>English Language or Language in English</td>
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<tr>
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<tr>
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<tr>
<td>Geography (A-level)</td>
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<td>Physics (A-level)</td>
<td>PHY 1053</td>
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<td>PSY 2012</td>
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<td>Psychology (A-level)</td>
<td>PSY 2012</td>
<td>3 cr.</td>
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<td>SYG 2000</td>
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<td>Sociology (A-level)</td>
<td>PH 1103</td>
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<td>Spanish Language (AS-level)</td>
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**AP Policy, AP**

Course Credit Awarded for Advanced Placement Examinations

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<th>Score of 3</th>
<th>Scores of 4 and 5</th>
<th>General Education Credit for A.A. Degree</th>
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<tr>
<td>Art History</td>
<td>ARH 1000</td>
<td>ARH 2050 and ARH 2051</td>
<td>Score of 3: Elective</td>
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<td>Score of 4 and 5: Humanities</td>
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<td>Biology</td>
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<td>Score of 4: BSC 1010C (4 cr.)</td>
<td>Score of 3, 4 and 5: Part B Biological Science</td>
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<td>and 2005L</td>
<td>Score of 5: BSC 1010C (4 cr.) and BSC 1011C (4 cr.)</td>
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<td>Calculus AB</td>
<td>MAC 2311</td>
<td>MAC 2311</td>
<td>Mathematics</td>
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<td>Calculus BC</td>
<td>MAC 2311</td>
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<td>CHM 1020</td>
<td>Score of 4: CHM 1045 and CHM 1045L (4 cr.)</td>
<td>Score of 3, 4 and 5: Part B Physical Science</td>
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<td>and 1020L</td>
<td>Score of 5: CHM 1045 and CHM 1045L (4 cr.) and CHM 1046 and CHM 1046L (4 cr.)</td>
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<td>Computer Science A</td>
<td>CGS 1075</td>
<td>CGS 1075</td>
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<td>Computer Science AB</td>
<td>CGS 1076</td>
<td>CGS 1076</td>
<td>Elective</td>
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<td>Economics: Macro</td>
<td>ECO 2013</td>
<td>ECO 2013</td>
<td>Part B Social Science</td>
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<td>Economics: Micro</td>
<td>ECO 2023</td>
<td>ECO 2023</td>
<td>Part B Social Science</td>
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<tr>
<td>English Language and Composition</td>
<td>ENC 1101</td>
<td>ENC 1101 and ENC 1102 (3 cr.)</td>
<td>Gordon Rule Communication</td>
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<tr>
<td>English Literature and Composition</td>
<td>ENC 1101</td>
<td>ENC 1101 and either ENC 1102 (3 cr.) or LIT 1005 (3 cr.)</td>
<td>Gordon Rule Communication</td>
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<tr>
<td>Environmental Science</td>
<td>ISC 1051</td>
<td>ISC 1051</td>
<td>Part B Biological Science</td>
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<tr>
<td>European History</td>
<td>EUH 2009</td>
<td>EUH 2000 and EUH 2001 (3 cr.)</td>
<td>Elective</td>
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<tr>
<td>Government and Politics: Comparative</td>
<td>CPO 2002</td>
<td>CPO 2002</td>
<td>Elective</td>
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<tr>
<td>Government and Politics: United States</td>
<td>POS 2041</td>
<td>POS 2041</td>
<td>Part B Social Science</td>
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</table>
Human Geography
GEO 2400 (3 cr.)  GEO 2400 (3 cr.)  Elective

Language exams
(includes Spanish, French and German)
XXX 2200 (3 cr.)  XXX 2200 (3 cr.) and XXX 2201 (3 cr.)  Elective

Language and Culture
(includes Chinese, Italian, Japanese and Russian)
XXX 2 (3 cr.)  XXX 1 (3 cr.) and XXX 2 (3 cr.)  Elective

Latin: Latin Literature
LNW 2700 (3 cr.)  LNW 2700 (3 cr.)  Elective

Latin: Vergil
LNW 2321 (3 cr.)  LNW 2321 (3 cr.)  Elective

Literature, French
FRE 1888 (3 cr.)  FRE 1888 (6 cr.)  Elective

Literature, Spanish
SPW 1888 (3 cr.)  SPW 1888 (6 cr.)  Elective

Music Theory
MUT 1001 (3 cr.) if composite score is 3 or higher. MUT 1111 (3 cr.) and MUT 1241 (3 cr.) if both aural and nonaural subscores are 3 or higher. MUT 1001 (3 cr.) if composite score is 3 or higher. MUT 1111 (3 cr.) and MUT 1241 (3 cr.) if both aural and nonaural subscores are 3 or higher.  Elective

Physics B
PHY 1053C (4 cr.)  PHY 1053C (4 cr.) and PHY 1054C (4 cr.)  Part A Physical Science

Physics C: Electricity/Magnetism
PHY 1054 (4 cr.)  PHY 2049C (4 cr.)  Part A Physical Science

Physics C: Mechanics
PHY 1053C (4 cr.)  PHY 2048C (4 cr.)  Part A Physical Science

Psychology
PSY 2012 (3 cr.)  PSY 2012 (3 cr.)  Part B Social Science

Statistics
STA 2023 (3 cr.)  STA 2023 (3 cr.)  Mathematics

Studio Art: Drawing Portfolio
ART 1300C (3 cr.)  ART 1300C (3 cr.)  Elective

Studio Art: 2-D Design Portfolio
ART 1201C (3 cr.)  ART 1201C (3 cr.)  Elective

Studio Art: 3-D Design Portfolio
ART 2203C (3 cr.)  ART 2203C (3 cr.)  Elective

United States History
AMH 2000 (3 cr.)  AMH 2010 (3 cr.) and AMH 2020 (3 cr.)  Score of 3: Elective
Score of 4 or 5: Elective

World History
WOH 2022 (3 cr.)  WOH 2022 (3 cr.)  Part A Social Science

CLEP Policy
Course Credit Awarded for CLEP Examinations
Hours toward graduation are recorded as “credit by examination” with no grades or quality points given. These credits do not affect a student’s grade point average.

<table>
<thead>
<tr>
<th>Name of Exam</th>
<th>Course Credit Awarded</th>
<th>General Education Credit for A.A. Degree</th>
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<tbody>
<tr>
<td>Accounting, Principles of</td>
<td>Retired June 30, 2007</td>
<td>See Financial Accounting</td>
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<tr>
<td>American Government</td>
<td>POS 2041 (3 cr.) [50+]</td>
<td>Part B Social Sciences</td>
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<tr>
<td>American Literature</td>
<td>AML 1000 (3 cr.) [50+]</td>
<td>Part B Humanities</td>
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<tr>
<td>Analyzing/Interpreting Literature</td>
<td>Take American or English Literature exam</td>
<td>Take American or English Literature exam</td>
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<tr>
<td>Biology</td>
<td>BSC 2005 (3 cr.) — no lab credit [50+]</td>
<td>Part B Biological Science</td>
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<tr>
<td>Business Law, Introduction</td>
<td>BUL 2241 (3 cr.) [50+]</td>
<td>Elective</td>
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<td>Course</td>
<td>Requirement</td>
<td>Department</td>
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<tr>
<td>Calculus</td>
<td>MAC 2233 (3 cr.) [50+]</td>
<td>Mathematics</td>
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<tr>
<td>Chemistry</td>
<td>CHM 1020 (3 cr.) or CHM 1025 (3 cr.)—no lab credit [50+]</td>
<td>Part A Physical Science</td>
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<tr>
<td>College Algebra</td>
<td>MAC 1105 (3 cr.) [50+]</td>
<td>Mathematics</td>
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<tr>
<td>College Algebra/Trigonometry</td>
<td>Retired June 30, 2006</td>
<td>mathematics</td>
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<td>College Mathematics (GE)*</td>
<td>MGF 1107 (3 cr.) or MGF 1106 (3 cr.) [50+]</td>
<td>Mathematics</td>
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<tr>
<td>Educational Psychology</td>
<td>EDP 2002 (3 cr.) [50+]</td>
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<td>College Composition</td>
<td>ENC 1101 (3 cr.) [50+]</td>
<td>English</td>
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<td>College Composition Modular</td>
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<td>English Literature</td>
<td>ENL 1000 (3 cr.) [50+]</td>
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<tr>
<td>Financial Accounting</td>
<td>ACG 2001 (3 cr.) [50+]</td>
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<td>French Language</td>
<td>FRE 1120 (4 cr.) [50+]; FRE 1121 also (4 cr.) [59+]</td>
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<tr>
<td>German Language</td>
<td>GER 1120 (4 cr.) [50+]; GER 1121 also (4 cr.) [60+]</td>
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<tr>
<td>History of the United States I</td>
<td>AMH 2010 (3 cr.) [50+]</td>
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<tr>
<td>History of the United States II</td>
<td>AMH 2020 (3 cr.) [50+]</td>
<td>Elective</td>
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<tr>
<td>Human Growth and Development</td>
<td>DEP 2004 (3 cr.) [50+]</td>
<td>Elective</td>
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<td>Humanities (GE)*</td>
<td>HUM 2235 (3 cr.) or HUM 2250 (3 cr.) [50+]</td>
<td>Part A Humanities (paired with WOH 2012)</td>
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<tr>
<td>Information Systems/Computer Applications</td>
<td>CGS 1077 (3 cr.) [50+]</td>
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<td>Macroeconomics, Principles of</td>
<td>ECO 2013 (3 cr.) [50+]</td>
<td>Part B Social Sciences</td>
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<tr>
<td>Management, Principles of</td>
<td>MAN 2021 (3 cr.) [50+]</td>
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<tr>
<td>Marketing, Principles of</td>
<td>MAR 2011 (3 cr.) [50+]</td>
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<td>Microeconomics, Principles of</td>
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<td>Natural Sciences (GE)*</td>
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<td>Take specific subject exams (Biology or Chemistry)</td>
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<td>Precalculus</td>
<td>MAC 1140 (4 cr.) [50+]</td>
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<td>PSY 2012 (3 cr.) [50+]</td>
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<td>SYG 2000 (3 cr.) [50+]</td>
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<td>Social Sciences and History (GE)*</td>
<td>Take specific subject exams (U.S., Western World History, Government, Sociology, Economics, Psychology)</td>
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<td>Trigonometry</td>
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<td>No credit for exams taken after June 30, 2007</td>
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<td>Western Civilizations I: Ancient Near East to 1648</td>
<td>EUH 2000 (3 cr.) [50+]</td>
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<tr>
<td>Western Civilizations II: 1648 to Present</td>
<td>EUH 2001 (3 cr.) [50+]</td>
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*GE General Examination (not subject examination)
DANTES Policy

Course Credit Awarded for DANTES Subject Standardized Tests, DSST, Examinations

Unlike other credit by examination programs, Defense Activity of Non-Traditional Educational Support, DANTES, Subject Standardized Tests are not built around curriculum, but rather are designed to test students’ knowledge on a variety of college-level subjects, regardless of where they may have learned the material.

<table>
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<th>Course Number</th>
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<td>ARH 1000 (3 cr.)</td>
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<td>Astronomy</td>
<td>AST 1002 (3 cr.)</td>
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<td>Business Law II</td>
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<td>Criminal Justice</td>
<td>CCJ 1020 (3 cr.)</td>
<td>49/400</td>
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<td>Environment and Humanity</td>
<td>EVR 1017 (3 cr.)</td>
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<td>Ethics in America</td>
<td>PHI 2630 (3 cr.)</td>
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<td>Foundations of Education</td>
<td>EDF 1002 (3 cr.)</td>
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<td>Here’s to Your Health</td>
<td>HSC 2100 (3 cr.)</td>
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<td>ISM 1000 (3 cr.)</td>
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<td>Elective</td>
</tr>
<tr>
<td>Money and Banking</td>
<td>BAN 1501 (3 cr.)</td>
<td>48</td>
<td>Elective</td>
</tr>
<tr>
<td>Organizational Behavior</td>
<td>INP 2002 (3 cr.)</td>
<td>48</td>
<td>Elective</td>
</tr>
<tr>
<td>Personal Finance</td>
<td>FIN 1100 (3 cr.)</td>
<td>46/400</td>
<td>Elective</td>
</tr>
<tr>
<td>Physical Geology</td>
<td>GLY 1000 (3 cr.)</td>
<td>46</td>
<td>Part A Physical Science</td>
</tr>
<tr>
<td>Principles of Finance</td>
<td>FIN 1000 (3 cr.)</td>
<td>46</td>
<td>Elective</td>
</tr>
<tr>
<td>Principles of Financial Accounting</td>
<td>ACG 2001 (3 cr.)</td>
<td>47</td>
<td>Elective</td>
</tr>
<tr>
<td>Principles of Physical Science</td>
<td>PSC 1121 (3 cr.)</td>
<td>47</td>
<td>Part A Physical Science</td>
</tr>
<tr>
<td>Principles of Public Speaking</td>
<td>SPC 2608 (3 cr.)</td>
<td>47</td>
<td>Communications</td>
</tr>
<tr>
<td>Principles of Statistics</td>
<td>STA 2014 (3 cr.)</td>
<td>48/400</td>
<td>Mathematics</td>
</tr>
<tr>
<td>Principles of Supervision</td>
<td>MNA 2345 (3 cr.)</td>
<td>46</td>
<td>Elective</td>
</tr>
<tr>
<td>Rise and Fall of Soviet Union</td>
<td>EUH 1066 (3 cr.)</td>
<td>45</td>
<td>Elective</td>
</tr>
<tr>
<td>Substance Abuse</td>
<td>HSC 2140 (3 cr.)</td>
<td>400</td>
<td>Elective</td>
</tr>
<tr>
<td>Technical Writing</td>
<td>ENC 2210 (3 cr.)</td>
<td>46</td>
<td>Elective</td>
</tr>
<tr>
<td>The Civil War and Reconstruction</td>
<td>AMH 1056 (3 cr.)</td>
<td>47</td>
<td>Elective</td>
</tr>
<tr>
<td>Western Europe Since 1947</td>
<td>EUH 1888 (3 cr.)</td>
<td>45</td>
<td>Elective</td>
</tr>
</tbody>
</table>
IB Policy
Course Credit Awarded for International Baccalaureate, IB, Examinations

The maximum number of credit hours that may be earned by IB examination is 30 credit hours. CF students may satisfy up to 45 semester hours of course credit through any combination of credit by examination (e.g., CLEP, AP, and/or IB). **Score minimums, credit hours awarded and course equivalencies awarded are subject to change for any examination without prior notice.**

<table>
<thead>
<tr>
<th>Exam</th>
<th>Score of 4</th>
<th>Scores of 5, 6 and 7</th>
<th>General Education Credit for A.A. Degree</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biology</td>
<td>BSC 2005 and BSC 2005L (4 cr.)</td>
<td>BSC 2005 and BSC 2005L (4 cr.) and BSC 2010 and BSC 2010L (4 cr.)</td>
<td>Part B Biological Science</td>
</tr>
<tr>
<td>Business and Management</td>
<td>GEB 1011 (3 cr.)</td>
<td>GEB 1011 (3 cr.) and MAN 2021 (3 cr.)</td>
<td>Elective</td>
</tr>
<tr>
<td>Chemistry</td>
<td>CHM 1020C (4 cr.)</td>
<td>CHM 1020C (4 cr.) and CHM 2045C (4 cr.)</td>
<td>Part A Physical Science</td>
</tr>
<tr>
<td>Computer Science</td>
<td>CGS 1078 (3 cr.)</td>
<td>CGS 1078 (6 cr.)</td>
<td>Elective</td>
</tr>
<tr>
<td>Design Technology</td>
<td>ETI 2410 (3 cr.)</td>
<td>ETI 2410 (6 cr.)</td>
<td>Elective</td>
</tr>
<tr>
<td>Economics</td>
<td>ECO 1000 (3 cr.)</td>
<td>ECO 2013 (3 cr.) and ECO 2023 (3 cr.)</td>
<td>Elective</td>
</tr>
<tr>
<td>Ecosystems and Society</td>
<td>EVR 1017 (3 cr.)</td>
<td>EVR 1017 (3 cr.) and EVR 1888 (3 cr.)</td>
<td>Part A Biological Science</td>
</tr>
<tr>
<td>English A1</td>
<td>ENC 1101 (3 cr.)</td>
<td>ENC 1101 (3 cr.) and ENC 1102 (3 cr.)</td>
<td>Part B Biological Science</td>
</tr>
<tr>
<td>Environmental Systems</td>
<td>ISC 2050 (3 cr.)</td>
<td>ISC 2050 (6 cr.)</td>
<td>Elective</td>
</tr>
<tr>
<td>Film Studies</td>
<td>FIL 1000 (3 cr.)</td>
<td>FIL 1000 (3 cr.) and FIL 1002 (3 cr.)</td>
<td>Elective</td>
</tr>
<tr>
<td>Further Mathematics (Advanced Mathematics)</td>
<td>MHF 2202 (3 cr.)</td>
<td>MHF 2202 (3 cr.) and MHF 2209 (3 cr.)</td>
<td>Mathematics</td>
</tr>
<tr>
<td>Geography</td>
<td>GEA 2000 (3 cr.)</td>
<td>GEO 2200 (3 cr.) and GEO 2400 (3 cr.)</td>
<td>GEA 2000: Part B Social Science</td>
</tr>
<tr>
<td>History</td>
<td>WOH 1030 (3 cr.)</td>
<td>WOH 1030 (3 cr.) and WOH 1888 (3 cr.)</td>
<td>GEA 2400: Part B Social Science</td>
</tr>
<tr>
<td>(History of the Americas, History of Europe, History of Africa, History of West Asia, History of East and Southeast Asia)</td>
<td></td>
<td></td>
<td>GEO 2200: Elective</td>
</tr>
<tr>
<td>Information and Technology</td>
<td>CGS 1888 (3 cr.)</td>
<td>CGS 1888 (6 cr.)</td>
<td>Elective</td>
</tr>
<tr>
<td>Islamic History</td>
<td>ISH 1888 (3 cr.)</td>
<td>ISH 1888 (6 cr.)</td>
<td>Elective</td>
</tr>
<tr>
<td>Latin</td>
<td>LAT 1230 (3 cr.)</td>
<td>LAT 1230 (3 cr.) and LNW 2700 (3 cr.)</td>
<td>Elective</td>
</tr>
<tr>
<td>Math Methods</td>
<td>MAC 1105 (3 cr.)</td>
<td>MAC 1105 (3 cr.) and MAC 1140 (3 cr.)</td>
<td>Mathematics</td>
</tr>
<tr>
<td>(or MAC 1140 (3 cr.) and MAC 2233 (3 cr.)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Math Studies</td>
<td>MAT 1033 (3 cr.)</td>
<td>MAT 1033 (3 cr.) and</td>
<td>MAT 1033: Elective</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### Experiential Learning

The experiential learning assessment process is designed to recognize the academic value of learning through experiences including work experience, employment-related training programs, seminars, volunteer work, travel, military service or self-directed study.

**Assessment:** Assessment involves the following:
- written or performance tests
- preparation of a portfolio describing learning and how it was acquired
- evaluation of certificates and licenses
- interviews with faculty members
- review of external agency recommendations.

The program area responsible for the courses for which credit is requested determines the method of assessment and the amount of credit awarded. Not all courses are assessable courses. Courses being assessed must be offered as a requirement or an elective in an A.S. degree or certificate program at CF. General education courses are not assessable.

**Process:** After being admitted to the college and selecting a program with the help of a counselor or advisor, the student must:

1. meet with the appropriate program representative to determine if an assessment process is available for selected courses.
2. apply for assessment on forms available from the department or Student Affairs
3. consult with the department chair, program manager or designated faculty evaluator to determine requirements for assessment and fees required
4. discuss student responsibilities in the assessment process, including:
   - meeting with an instructor for an oral or written exam
   - preparing for a written exam by reviewing textbooks
   - arranging for an instructor to interview an employer, as well as a worksite visit
   - presenting certificates and licenses for authentication
   - developing a portfolio of experience
   - providing ACE recommendations for military training
5. pay necessary fees for assessment. (It is possible that academic credit will not be awarded as requested, but the cost of assessment remains the same.)

**Award of Credit:** Depending on the amount of credit requested and the methods of assessment required, the assessment process time may vary. When the process is completed, the results are forwarded to the appropriate dean for final review and verification. The dean will request, by memo, that the college registrar post any awarded credits to the transcript. Credits awarded are held in escrow until the student satisfactorily completes 25 percent of program coursework (15 credits for the A.A.) at CF. Experiential credit may not be used to meet the residency requirement of 25 percent of program course work required at CF for graduation.

**This type of credit may not be acceptable for transfer to other institutions. The receiving institution would determine transferability.**

### Credit by Departmental Examination

Evidence of proficiency in a subject area qualifies a student to request a departmental examination in departments where exams are provided. Students may not apply for credit by departmental examination in a course where they have received either an A, B, C, D, F, I or W for work attempted, or if they have earned credit for an advanced course in that area. Credits earned will not be included on the official college transcript until the student has completed a minimum of 12 credits at CF.

<table>
<thead>
<tr>
<th>Mathematics</th>
<th>MAC 1147 (5 cr.)</th>
<th>MAC 1147 (5 cr.) and MAC 2233 (3 cr.) or MAC 2233 (3 cr.) and MAC 2311 (5 cr.)</th>
<th>Mathematics</th>
</tr>
</thead>
<tbody>
<tr>
<td>Modern Language – B</td>
<td>XXX 1121 (4 cr.)</td>
<td>XXX 1211 (4 cr.) and XXX 2200 (4 cr.)</td>
<td>Elective</td>
</tr>
<tr>
<td>(Includes Spanish,</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>French and German)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>MUL 1010 (3 cr.)</td>
<td>MUL 1010 (3 cr.) and MUT 1001 (3 cr.)</td>
<td>MUL 1010: Part B Humanities MUT 1121: Elective</td>
</tr>
<tr>
<td>Philosophy</td>
<td>PHI 2010 (3 cr.)</td>
<td>PHI 2010 (3 cr.) and PHI 1888 (3 cr.)</td>
<td>Elective</td>
</tr>
<tr>
<td>Physics</td>
<td>PHY 2020C (4 cr.)</td>
<td>PHY 1053C (4 cr.) and PHY 1054C (4 cr.)</td>
<td>Part A Physical Science</td>
</tr>
<tr>
<td>Psychology</td>
<td>PSY 2012 (3 cr.)</td>
<td>PSY 2012 (3 cr.) and PSY 1888 (3 cr.)</td>
<td>PSY 2012: Part B Social Science PSY 1888: Elective</td>
</tr>
<tr>
<td>Social Anthropology</td>
<td>ANT 2410 (3 cr.)</td>
<td>ANT 2410 (3 cr.) and ANT 1888 (3 cr.)</td>
<td>ANT 2410: Part B Social Science ANT 1888: Elective</td>
</tr>
<tr>
<td>Theatre Arts</td>
<td>THE 1000 (3 cr.)</td>
<td>THE 1000 (3 cr.) and TPA 1200 (3 cr.)</td>
<td>THE 1000: Part B Social Science TPA 1200: Elective</td>
</tr>
<tr>
<td>Visual Arts</td>
<td>ARH 1012 (3 cr.)</td>
<td>ARH 1012 (6 cr.)</td>
<td>Elective</td>
</tr>
</tbody>
</table>
1. The student must contact the department chair/program manager in the department where departmental exams are provided.
2. Based on advice from the departmental contact, the student must complete the upper portion of the Credit by Departmental Exam/Experiential Learning registration form.
3. The dean/associate vice president and the department chair will review student’s request with the student. If approved, the process for completing the exam will be explained.
4. The student must take the approved registration form and payment to the cashier. A per course fee must be paid prior to the administration of the exam.
5. Upon registration for the departmental exam and payment of the fee, the student must schedule the exam within five working days.
6. The departmental representative will schedule the exam within 10 working days after being contacted by the student.
7. The dean/associate vice president will monitor the exam process in order to verify evidence (passing exam score) of competency.
8. Upon satisfactory completion of the exam, the dean/associate vice president forwards, by memo, the results to the Office of Admissions and Records. A grade of S will be submitted for passed departmental exam.
9. Upon receipt of the memo, Office of Admissions and Records will notify the student the grade has been received.
10. Credit by departmental exam may not be attempted a second time for the same course.
11. The S grade will appear on the transcript in the semester following completion of 12 credit hours.

**Correspondence and Extension Courses**

CF offers neither correspondence nor extension courses, although certain correspondence courses are acceptable for transfer.

**Credit for A+ Certification**

Students who have completed A+ certification within the last three years are eligible to receive college credit toward a degree as indicated:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CET 1178C</td>
<td>PC Essentials – Hardware</td>
<td>3</td>
</tr>
<tr>
<td>CET 1179</td>
<td>PC Essentials – Software</td>
<td>3</td>
</tr>
</tbody>
</table>

**Credit for Networking + Certification**

Students who have recently completed Networking + certification are eligible to receive college credit toward a degree as indicated:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CTS 2134</td>
<td>Networking Fundamentals</td>
<td>3</td>
</tr>
</tbody>
</table>

**Credit for MCSE Certification**

Students who have recently completed Microsoft Certified Systems Engineer, MCSE, certification or Microsoft Certified Application Specialist, MCAS, certification are eligible to receive college credit toward a degree as indicated:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CET 2180</td>
<td>Practical PC Technician</td>
<td>3</td>
</tr>
<tr>
<td>EET 1084</td>
<td>Survey of Electronics</td>
<td>3</td>
</tr>
<tr>
<td>CTS 2134</td>
<td>Networking Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>CTS 2120</td>
<td>Security Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>CTS 2143</td>
<td>Server Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Total</td>
<td>15</td>
</tr>
</tbody>
</table>

**Credit for MOS or MCAS Certification**

Student must have all four certifications: Word, Excel, Access and PowerPoint. Outlook does not count.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CGS 1100</td>
<td>Microcomputer Applications</td>
<td>3</td>
</tr>
</tbody>
</table>

**Credit for MOS or MCAS Expert Certifications**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Expert Word</td>
<td>OST 2717</td>
<td>Advanced Word</td>
</tr>
<tr>
<td>Expert Excel</td>
<td>CGS 2103</td>
<td>Spreadsheet Applications</td>
</tr>
</tbody>
</table>

**Credit for Server + Certification**

Students who have recently completed Server + Certification are eligible to receive college credit toward a degree as indicated:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CTS 2143</td>
<td>Server Fundamentals</td>
<td>3</td>
</tr>
</tbody>
</table>

**Credit for Armed Services Educational Experiences**

See Servicemember’s Opportunity College on page 23.

**Credit for Correctional Officer Training School**

Students who successfully complete Correctional Officer Training School are eligible to receive college credit toward a degree as indicated:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CJC 1000</td>
<td>Introduction to Corrections</td>
<td>3</td>
</tr>
<tr>
<td>CCJ 1949</td>
<td>Internship/Co-op</td>
<td>3</td>
</tr>
<tr>
<td>CJC 2130</td>
<td>Criminal Law, Evidence and Procedures</td>
<td>3</td>
</tr>
<tr>
<td>HSC 2400</td>
<td>First Aid</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Total</td>
<td>12</td>
</tr>
</tbody>
</table>
Credit for Law Enforcement Officer Training School

Students who successfully complete Police Recruit School are eligible to receive college credit toward a degree as indicated:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CJE 1020</td>
<td>Criminal Law, Evidence and Procedures</td>
<td>3</td>
</tr>
<tr>
<td>CCJ 1949</td>
<td>Internship/Co-op</td>
<td>3</td>
</tr>
<tr>
<td>CCJ 1020</td>
<td>Introduction to the Criminal Justice System</td>
<td>3</td>
</tr>
<tr>
<td>CJE 2600</td>
<td>Introduction to Criminal Investigation</td>
<td>3</td>
</tr>
<tr>
<td>HSC 2400</td>
<td>First Aid</td>
<td>3</td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td>15</td>
</tr>
</tbody>
</table>

Credit for Certified Professional Secretary Examination

The Certified Professional Secretary, CPS, and Certified Administrative Professional, CAP, exams are developed and administered through the International Association of Administrative Professionals, IAAP.

For the most current information regarding the price, availability of reviews and scheduling of exams, please visit the IAAP homepage at http://www.iaap-hq.org. Mail application and backup documents, along with check payable to IAAP, to International Association of Administrative Professionals Certification Department, 10502 N.W. Ambassador Drive, P.O. Box 20404, Kansas City, MO 64195-0404.

College credit is available to those persons who pass all or portions of the Certified Professional Secretary examination. For the most current information regarding the price, availability of reviews and scheduling of exams, please visit the IAAP homepage at http://www.iaap-hq.org. Mail application and backup documents, along with check payable to IAAP, to International Association of Administrative Professionals Certification Department, 10502 N.W. Ambassador Drive, P.O. Box 20404, Kansas City, MO 64195-0404.

Following are examples of courses in which credit can be received. (Contact the Business and Technology Division for more information.)

Passing CPS:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MNA 2141</td>
<td>Basic Leadership I/Supervisory Skills</td>
<td>3</td>
</tr>
<tr>
<td>OST 1100</td>
<td>Professional Keyboarding I</td>
<td>3</td>
</tr>
<tr>
<td>OST 1110</td>
<td>Professional Keyboarding II</td>
<td>3</td>
</tr>
<tr>
<td>OST 2402</td>
<td>Office Administration II</td>
<td>3</td>
</tr>
</tbody>
</table>

Passing CAP:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>OST 2401</td>
<td>Office Administration I</td>
<td>3</td>
</tr>
</tbody>
</table>

Students requesting college credit for all or portions of the Certified Professional Secretary examination must meet college admissions requirements. Prior to being awarded any portion of the 15 possible credits mentioned above, student must have earned at least nine credit hours in residence at CF.

Registration

Registration information and procedures for college credit degree and certificate-seeking students are published in the Web Registration Guide, posted on college bulletin boards and on the following Web page: www.cf.edu/departments/sa/enroll/academic_advising.htm. Priority registration dates (based on the number of earned credit hours) are posted on the MyCF Web portal as well as in the college calendar on page 6 of this catalog. In the case of courses beginning outside the regular academic semesters, posters, flyers and media announcements may be used to notify potential students. Each student, by registering, pledges acceptance of the rules and regulations of the college. Schedule and registration information for continuing education students is available online at CFtraining.cf.edu or in the Enrollment Services Centers.

In accordance with Florida law and college policy, **veteran or dependent students who are receiving GI Bill benefits** are provided with the opportunity to register at the highest priority date each semester. At the College of Central Florida, this allows veteran or dependent students who are receiving GI Bill benefits the opportunity to register with the first window of students, which is normally reserved for students who have earned 40 or more credits. This will enable those who are utilizing GI Bill educational benefits to have greater access to available courses, thereby decreasing the number of excess hours taken by these students and reducing the time to graduation.

**First Time in College CF** associate degree-seeking students must complete orientation before registering for the first time. Students will be assigned to orientation based on placement test scores. Those with no prep needs will complete the information portion online and then sign up for registration assistance. Those with prep needs will sign up for information/registration sessions. Advisors will assist students in registering for the appropriate courses for their first semester based on their program of study. Students who have completed orientation/registration and are in good standing may register online in future semesters. See the Web Registration Guide for instructions.

**Online orientation** is required for all transfer students prior to registration for their first semester at the college. Students who have attended CF before and are returning to the college must complete online orientation. These assignments are also based on prep needs.

Students may register for a maximum of 18 credit hours in fall and spring semesters, and 18 credit hours in summer (nine hours in Summer A and nine in Summer B). Students may request permission to exceed the maximum 18 credit hour registration limit through the petitions. A minimum cumulative grade point average of 3.0 or above is required to petition.

Nondegree-seeking and transient students must register in person and only during general registration. (See the college calendar on page 6 for dates.)

Once a student is registered, he/she may request a student identification card and a parking decal (at no cost) at the campus Public Safety office.

Fees may be paid online by credit card via the MyCF Web Portal, in person at the cashier’s window at the Ocala and Citrus campuses and the Levy Center administrative offices or by...
check via regular mail (as long as the payment is received prior to the fee due date).

Students receiving financial aid or veteran’s assistance should go to the Enrollment Services Center first for processing of necessary paperwork. Students will be held in their registered classes provided fees are paid by the due date or they have been awarded financial aid.

Third party authorization — If all or part of a student’s registration fees are being paid by an external agency (employer, Florida Prepaid Program, Vocational Rehabilitation, Workforce Connection, a government agency, etc.), the student must present a current form of authorization (letter, card, voucher, etc.) to a campus cashier by the fee payment deadline. This authorization must be for the current semester and indicate a specific dollar amount for fees and/or books. The student is responsible for any remaining balance. If the current authorization is not presented, the student’s account will not be credited properly and the student may be removed from all courses and/or responsible to pay the fees.

Florida Prepaid Tuition Plan — Students who participate in the Florida Prepaid Tuition Plan must present a valid Florida Prepaid Identification card and a photo ID to a campus cashier each semester they register for classes as well as whenever they make a schedule change during the add/drop period of each semester. The card must apply to the appropriate academic year and be signed by the student. Students participating in this tuition plan are responsible for any amounts not covered by their plan, and any remaining balance must be paid by the fee due date on the student’s schedule. Keep a copy of the cashier’s receipt for verification should any questions arise.

Excess Hours Advisory Statement

Section 1009.286, Florida Statutes, establishes an “excess hour” surcharge for a student seeking a baccalaureate degree at a state university. It is critical that students, including those entering Florida colleges, are aware of the potential for additional course fees. Excess hours are defined as hours that go beyond 115 percent of the hours required for a baccalaureate degree program. For example, if the length of the program is 120 credit hours, the student may be subject to an excess hour surcharge for any credits attempted beyond 138 credit hours (115 x 120 percent).

All students whose educational plan may include 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. Florida college students intending to transfer to a state university should identify a major or “transfer program” early and be advised of admission requirements for that program, including the approved common prerequisites. Course withdrawals and/or repeats, as well as enrollment in courses nonessential to the intended major, may contribute to a potential excess hours surcharge.

Add/Drop and Withdrawal Periods

Courses may be added or dropped only during periods indicated in the college calendar on page 6. A student may withdraw from a class after the initial drop period, with no refund of fees. These withdrawals are permitted up to the last date to withdraw with a W. Withdrawals of this nature will result in a letter grade of W being placed on the student’s permanent record and will count as one attempt of this course. Students enrolled in courses that are not part of the college calendar, as published in the online catalog, should determine drop/withdrawal deadlines through the college’s Office of Admissions and Records, located in the Enrollment Services Center.

Scheduling of Classes

In the interest of economy, the college reserves the right to cancel classes that fail to meet minimum enrollment requirements. The following day codes are used: M—Monday, T—Tuesday, W—Wednesday, H—Thursday, F—Friday, S—Saturday, U—Sunday.

Full Semester Courses (16 weeks: 15 Instructional and 1 Exam week)

College credit courses are scheduled to provide the greatest number of classes available for the greatest number of students while attempting to account for the employment and personal responsibilities of our students. Most credit classes will meet two days a week (Monday/Wednesday, Tuesday/Thursday or Wednesday/Friday) for 75-minutes/meeting. If a course is scheduled to meet more or less than two days per week, the classes will start at the starting times listed below and contain the required amount of instruction (i.e., 150 minutes/week for 16-week courses, more for minimesters). Exceptions may be approved based on facility availability, such as may be necessary to ensure efficient use of limited science lab space.

For efficiency, most classes will be scheduled in the following manner:

Daytime: Two Meetings per Week
8 to 9:15 a.m.
9:30 to 10:45 a.m.
11 a.m. to 12:15 p.m.
12:30 to 1:45 p.m.*
2 to 3:15 p.m.
3:30 to 4:45 p.m.

*Note: Student Activity Hour on Monday and Wednesday. No classes scheduled during this period.

Daytime: One Meeting per Week
Primarily scheduled on Mondays or Fridays with the exception of labs.
Classes must begin at the start times above, unless approved. Lecture sessions must meet for the equivalent of two 75-minute periods with the addition of a break.

Evening: Two Meetings per Week
5:15 to 6:30 p.m.
6:45 to 8 p.m.
8:15 to 9:30 p.m.

Note: Exceptions given to lecture/lab sections or other courses combined by design which may start anytime between 5 and 6 p.m.
Evening: One Meeting per Week
May start any time from 5 to 6:30 p.m. on the quarter hour and must meet for the equivalent of two 75-minute periods with the addition of a break.

Hybrid
Daytime and evening hybrid classes must begin at the start times above and should meet for at least 50 minutes.

Saturday
8 to 10:40 a.m.
10:50 a.m. to 1:30 p.m.
1:40 to 4:20 p.m.

Note: Friday night or Saturday classes are restricted to certain buildings, so will not require as much time between classes.

Minimesters (Eight-week courses)
These courses are scheduled for the first or final eight weeks of the fall and spring semesters, usually meeting either four days a week for 75 minutes each or twice a week for 2 hours and 40 minutes each.

Summer Courses
The summer semester is divided into three terms. Summer A is the first six weeks, summer B is the final six weeks and summer C is the entire 12-week period.

8 to 9:50 a.m.
10 to 11:50 a.m.

Noon to 12:30pm – Break – No classes Scheduled
12:30 to 2:20 p.m.
2:30 to 4:20 p.m.
4:30 to 6:20 p.m.
6:30 to 8:20 p.m.

Alternate Scheduling
Week-long concentrated courses, weekend courses and other alternate schedule courses are occasionally offered. Instructional hours vary and will be advertised.
Learning Theme at CF

In 2002-2003, the college inaugurated an institutionwide learning theme, Integrity: A Value of Community. The learning theme was designed to promote connections among the segments of the CF community — students, faculty, staff, administration — and with the larger community of which it is a part.

In exploring an annual theme, the college family becomes more involved in the holistic nature of learning, in developing an awareness of "learning across the curriculum," and in directly experiencing knowledge and insight that cross departmental barriers. Involving students in a learning theme also has the benefit of reinforcing the Institutional Learning Outcomes of Communications, Computer and Information Skills, Critical Reasoning, Global Socio-Cultural Responsibility and Quantitative and Analytical Reasoning. Students, staff, and faculty read a book in common and organize classroom and campus events around questions related to the theme.

The alternating themes are based on defining the values in the college vision statement — integrity, service, responsibility and dignity — as well as timely and meaningful issues. Global Socio-Cultural Responsibility with a focus on the Middle East is the theme for 2012-2013. The Learning Theme text is "Snow" by Orhan Pamuk, 2006 recipient of the Nobel Prize in Literature.

Focus: Student Development Learning Outcomes

**Major College Directions:** To provide accessible, affordable, high quality learning opportunities which meet students’ lifelong learning needs. To provide a caring environment which supports learning and development. To contribute to the cultural, social and economic development of our communities. To value our employees.

In response to these Major Directions, College of Central Florida has become a student-centered learning institution that provides opportunities for students to pursue lifelong learning experiences.

**Learning Outcomes**

CF has identified five major student development learning objectives and competencies that describe the student development learning outcomes for a CF graduate. These learning outcomes can be applied in academic, employment, social and community contexts and must be crafted over a lifetime. These learning outcomes and competencies enable students to set learning goals and assess learning within and across academic disciplines and the disciplines of human inquiry and development.

- Communications
- Quantitative and Analytical Reasoning
- Critical Reasoning
- Computer and Information Skills
- Global Socio-Cultural Responsibility

CF Foundation

**Mission**

The CF Foundation is a public, nonprofit tax exempt 501(c)(3) organization providing resources to help the college carry out its mission of providing quality educational services to residents in Marion, Citrus and Levy counties.

The foundation provides exceptional opportunities for leadership service, volunteering, charitable giving and community involvement. It also provides a variety of educational and cultural events to add to the quality of learning for our students and to the community.

**Ways You Can Be Involved**

**CF Alumni** host activities and programs for alumni and encourage members to maintain an ongoing relationship with the college.

**Friends of the Foundation** members give generously of their time to support the college through student activities and foundation events in Marion, Citrus and Levy counties.

**CF Retirees** meet formally two to three times a year to receive updates, maintain friendships and exchange college information.

**Gabor Employee Recognition Program** sponsors the annual recognition of outstanding college faculty, staff and administrative professionals.

**Campus tours** are available for potential students, parents, donors, and friends of the college.

**Taste of Ocala, Taste of CF in Citrus and Dinner Theatre** events raise funds for CF Foundation scholarships and the Promise for the Future Fund and also connect the college with the community.

**Mentoring Opportunities** provide students with the chance to learn career skills and strategies from experienced professionals. These professionals in turn have the satisfaction of sharing their knowledge and expertise with the next generation of community leaders.

**Naming Opportunities** exist for many of the facilities at the college campuses. Contact the CF Foundation to inquire about the available options.

**Entities Owned by the Foundation**

**Permanent Collection of the Appleton Museum of Art, College of Central Florida**, one of the South’s esteemed art museums. The foundation has ownership and management responsibilities for $14.5 million in endowments and the $16.8 million art collection.

**College Square** apartment complex on 17 acres provides housing for up to 192 students and includes two rental homes and five acres leased to Hale Academy.
Special Collections to the Ocala Campus are housed at the Clifford B. Stearns Learning Resources Center.

The Enterprise Center, located at the Ocala Campus, provides rental space for tenants whose missions align with the college's mission, including Workforce Connection and Ocala/Marion County Economic Development Corporation.

How To Find The CF Foundation
Enterprise Center, Second Floor
3001 S.W. College Road
Ocala, FL 34474-4415
352-873-5808
http://www.cf.edu/foundation
Foundation@cf.edu

Now more than ever, an investment in education is a promising one to make. Contact the CF Foundation to find out ways you can become involved.

Endowed Scholarships

Endowed scholarships provide students with resources for tuition, fees and oftentimes can also be used toward books and housing. Foundation scholarships are established by donors and can be named in memory or in honor of the donor, a loved-one, or an organization. An endowed scholarship is a lasting way to perpetuate the legacy of those who believe in giving others the gift of education. Students apply for foundation scholarships using the online scholarship application form found on the Financial Aid website.

40 & 8 - Voiture 1219 Endowed Scholarship (In memory of Albert Woodington)
Aaron A. Weaver Chapter 776 Military Order of the Purple Heart Endowed Scholarship
AFC (CF Chapter) Endowed Scholarship
American Association of University Women—Citrus County Endowed Scholarship
American Association of University Women—Ocala/Virginia Anderson Endowed Memorial Scholarship
American Association of University Women—Silver Springs Shores Endowed Book Scholarship
Henry and Linda Allcott Endowed Scholarship
Altrusa International Inc. of Citrus County Endowed Scholarship
Altrusa Endowed Scholarship Fund
Kenneth Alvarez Endowed Memorial Scholarship
American Legion Post 284 (Belleview) Endowed Nursing Scholarship
TJ and Flora Andrews Endowed Scholarship
Anonymous Endowed Scholarship (KK)
Anonymous Endowed Scholarship (CCF)
Anonymous (CF) Endowed Book Scholarship
Martha Appleton Endowed Memorial Scholarship

Dr. Bea Atkinson Endowed Memorial Scholarship
The Deputy Renee D. Azure Endowed Memorial Scholarship
Barrett, Liner and Company Endowed Scholarship
Frank and Rosemary Beeby Endowed Scholarship
Bertschler Bont Benevolences Inc. Endowed Scholarship Fund (In Memory of Pauline Bertschler)
Professor Vincent E. Best — Silver Springs Shores Endowed Scholarship
Lynne L. Boele Endowed Scholarship
Robert Boissonneaut Oncology Institute Endowed Scholarship
Herbert J. and Nancy J. Booth Endowed Scholarship
Herbert J. and Nancy J. Booth Endowed Music Scholarship
Sgt. Hammett L. Bowen Jr. Endowed Memorial Scholarship
Osceola Hinton Bradbury Jr. Endowed Memorial Scholarship
Attie G. Branan Endowed Memorial Scholarship
Attie G. Branan Endowed Memorial (Business Ethics)
Attie G. Branan Community Vocational Endowed Memorial Scholarship
Lucille B. Branan Endowed Memorial Scholarship
Mary S. and Crosswell Branch Endowed Scholarship
Jane G. Brewster Outreach to Vision Endowed Memorial Scholarship
Brooker and Crabtree Endowed Memorial Scholarship
Bill, Juli and Brittany Browder Family Endowed Scholarship
Jordan Bucy Endowed Memorial Scholarship
Alice H. Bugg Endowed Memorial Scholarship
Dewey L. Bugg Jr.Endowment Memorial Scholarship
The Joyce Burns Endowed Memorial Scholarship Sponsored by Black Diamond Foundation
Busy Bee Quilters of Belleview Endowed Scholarship
Louis and Dorothy Calbeck Endowed Scholarship
William L. and Audrey Caton Endowed Scholarship
Celebrate 2000 Endowed Scholarship
Centurylink Endowed Scholarship
Rose and Manuel Cepeda Endowed Scholarship (Health Occupations No. 1)
MANuel and Rose Cepeda Endowed Scholarship (Health Occupations No. 2)
CF Alumni Endowed Scholarship
CF Business Ethics Endowed Scholarship
CF Foundation Health Occupations Endowed Scholarship
CF Foundation Nursing Challenge Endowed Scholarship
CF Foundation Performing Arts Series Endowed Scholarship
CF Horseman's Society Education Scholarship
CF Senior Institute Endowed Scholarship
Arthur K. Chete Endowed Scholarship
Citrus County Chamber of Commerce Endowed Scholarship
Citrus County Sheriff's Office Endowed Scholarship Fund
City of Ocala Endowed Scholarship
The Ruth Clancy Endowed Memorial Scholarship
College Square Endowed Scholarship
General Information

Paige Prator Collins Endowed Memorial Book Scholarship
Thomas F. Collins Endowed Memorial Scholarship
Jean R. Conley Endowed Memorial Scholarship
The Dr. John Dixon Copp Endowed Book Scholarship (Poetry Excellence)
Cox Cable Ocala Endowed Scholarship
Crystal Motor Car Company Endowed Scholarship
Crystal River Police Department Endowed Scholarship
Juanita P. Cunningham Endowed Scholarship
D.A.B. Constructors Inc. Endowed Scholarship
The Daughters’ Endowed Scholarship (DLH)
Fritz R. David Endowed Memorial Scholarship
Loretta Davis Endowed Memorial Scholarship
Morrey Deen Endowed Scholarship
Bruce and Helen Deines Endowed Scholarship
Levy and Thelma DeLay—Health Occupations Endowed Scholarship
Carole A. DeLuca Endowed Memorial Scholarship
Don and Carla Denson Endowed Scholarship
Bank of America/Richard L. Dewey Endowed Scholarship
Dinner Theater Endowed Scholarship Program Established 1999
Dollars for Scholars, Citrus County, Endowed Scholarship
Dollars for Scholars, Levy County, Endowed Scholarship
Dollars for Scholars, Marion County, Endowed Scholarship
Eloise L. Donaldson Endowed Memorial Scholarship Fund
R.N. "Bert" Dosh Endowed Memorial Scholarship
Sally A. Drinkhouse Endowed Book Scholarship
The Dunnellon Garden Club Endowed Scholarship
Calvin Dyals—Need Based Endowed Scholarship
Calvin Dyals—Non-Need Based Endowed Scholarship
William P. Eastwood Endowed Memorial Book Scholarship
Economically and Educationally Disadvantaged Endowed Scholarship
Kumar S. Eligeti Endowed Memorial Scholarship—Marion County High School
Kumar S. Eligeti Endowed Memorial Scholarship—Vanguard High School
Epsilon Pi Lambda Ocala Chapter, Alpha Phi Alpha Fraternity Endowed Scholarship
Vivian Erwin Endowed Memorial Scholarship
Fred Evick Endowed Memorial Book Scholarship (Delta Nu Alpha)
Ronald L. and Phyllis E. Ewers Endowed Scholarship
Express Care of Ocala—Health Occupations Endowed Scholarship
Fante Family Endowed Scholarship
Christopher L. Felix Endowed Scholarship
Fine Arts for Ocala/Joel Reichard Endowed Scholarship
Kevin M. Fitzsimmons Endowed Memorial Scholarship
Florida Native Plants Society Endowed Scholarship (In honor of Jim and Teddi Bierly)
Florida Thoroughbred Fillies Endowed Memorial Scholarship
Florida Thoroughbred Breeders’ and Owners’ Association Endowed Scholarship
Sydney Marvin Follin Endowed Memorial Scholarship in Business
Friends of the Foundation Endowed Scholarship (In memory of Robert and Carolyn Hoffman)
Frontrunners Chapter of the FNG&LA Endowed Scholarship
Fuller Nursing Endowed Scholarship
Ellie Gaboardi Endowed Memorial Scholarship
The Lynne Allison Garding Endowed Memorial Scholarship
Cornelia I. Gardner Endowed Memorial Scholarship in Music
Dr. Harold and Mary Gear Endowment Memorial Scholarship
Helen and Earl Gehring Endowed Memorial Scholarship
General Federation of Women’s Clubs—Woman’s Club of Ocala Endowed Scholarship
Gift of Hope Endowed Scholarship
Florence Glancy Endowed Memorial Scholarship
Global Education Endowed Scholarship
Dr. Henry E. Goodlett Vocational Endowed Memorial Scholarship
Grace Episcopal, Ferguson/McGovern Endowed Memorial Scholarship
John Conner Graham Endowed Memorial Scholarship
Bonibell J. Graverson Endowed Memorial Scholarship in Nursing
Monica E. Griffin Endowed Scholarship
Carolyn Griffin-Settle Endowed Memorial Scholarship in Nursing
Julian and Carolyn Grissom Endowed Scholarship
Paula Grissom Endowed Memorial Scholarship (Supported by Florida Thoroughbred Breeders’ and Owners Association)
Elsie E. Guynn Endowed Memorial Book Scholarship
Dr. Charles H. and Mildred M. Hamblen Endowed Memorial Scholarship Fund
Sam and Irene Harris Endowed Scholarship
Maria F. Heinrich Endowed Memorial Scholarship
George Marshall Hitchcock Jr. Endowed Memorial Scholarship
Homesassa Game Fish Club Endowment Scholarship (In memory of Judson B. Garvin)
Frank Howell Endowed Memorial Scholarship
Humanities/Social Sciences Student Book Endowed Scholarship
William H. Jackson Sr. Endowed Memorial Scholarship
Carol Ann and Ernest Jernigan Endowed Scholarship (Nursing)
The Fay and Ernest Jernigan Endowed Scholarship (Nursing)
Dorothea G. Jerome Endowed Memorial Scholarship (Returning Women)
Clara Finley Johnson Endowed Scholarship
Winston Conrad Johnson Endowed Memorial Scholarship
Charles D. Joiner Jr. Endowed Memorial Scholarship
Jr. League of Ocala Sustainers Endowed Scholarship
<table>
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<tr>
<th>Scholarship Fund/Endowed Scholarship</th>
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<tbody>
<tr>
<td>Kingdom of the Sun Chapter (MOAA) Endowed Scholarship</td>
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<td><em>Biddie</em> and Jim Kirk Endowed Scholarship</td>
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<td>Kiwanis Club of Dunnellon Endowed Scholarship</td>
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<tr>
<td>Leo Armstrong (Lake Weir Kiwanis) Endowed Scholarship Fund</td>
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<tr>
<td>Kiwanis Club of Ocala - Mabel Cannon Endowed Memorial Scholarship</td>
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<td>Kiwanis Club of Ocala/William L. Ransom Endowed Memorial Scholarship</td>
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<td>Gerry Klein Endowed Scholarship</td>
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<td>Harvey and Julie Klein Endowed Memorial Scholarship</td>
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<td>Daniel M. Kraus, M.D. Endowed Memorial Scholarship</td>
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<td>Ladies Auxiliary of the Knights of Columbus Council 8012</td>
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<td>La Societe des 40 Hommes et 8 Chevaux Endowed Scholarship — Voiture</td>
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<td>Locale 1580</td>
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<td>Lillian J. Lavan Endowed Memorial Scholarship</td>
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<td>Kazimiera Lenkiewicz Endowed Memorial Scholarship</td>
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<td>Syndie T. Levien Endowed Scholarship</td>
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<td>Levy County Sheriff’s Office Endowed Scholarship</td>
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<td>Colin Lindsey (Belk Lindsey) Endowed Scholarship</td>
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<td>Lions Club of Ocala Endowed Scholarship</td>
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<td>Live Oak Stud Endowed Scholarship</td>
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<td>Rep. Dick Locke—Citrus County Endowed Scholarship</td>
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<td>Rep. Dick Locke—Lake Weir High School Endowed Scholarship</td>
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<td>Lockheed Martin Endowed Scholarship</td>
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<td>William Terry Longe Jr. Endowed Memorial Scholarship</td>
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<td>N. Broward Lovell Endowed Memorial Scholarship</td>
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<td>Jim Lowry Endowed Memorial Scholarship</td>
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<td>The James Luffman Endowed Scholarship Fund for Lake Weir High School</td>
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<td>Paul Lux Endowed Memorial Health Occupations Scholarship</td>
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<td>Rudy and Dorothy MacKenzie Endowed Memorial Scholarship</td>
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<td>Brent and Frances Malever Endowed Scholarship</td>
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<td>Wachovia/George Mangan Endowed Memorial Scholarship</td>
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<td>Gayle L. Manske Endowed Book Scholarship</td>
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<td>Marion County Dental Association Endowed Scholarship</td>
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<td>Marion County Master Gardeners Horticultural Endowed Scholarship</td>
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<td>Marion County Retired Educators Endowed Scholarship (In memory of Betty D. Butler)</td>
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<td>Marion County Sheriff’s Office Endowed Scholarship</td>
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<td>Marion County Veterans Endowed Scholarship</td>
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<td>Clark Maxwell Endowed Scholarship Fund</td>
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<td>Elmer A. and Marjorie Kerr McBride Endowed Memorial Scholarship</td>
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<td>George T. McCall Endowed Memorial Scholarship</td>
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<td>Rob McCoy Endowed Scholarship</td>
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<td>Ferne C. McClain Endowed Foreign Language Award Endowed Scholarship</td>
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<td>Jacqueline P. McGraw Endowed Memorial Scholarship</td>
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<td>Lola and James McHale Memorial Scholarship</td>
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<td>Jay G. McKenzie Endowed Scholarship</td>
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<td>Van F. McKenzie Endowed Memorial Scholarship</td>
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<td>Marion County Medical Society and Alliance—Health Occupations Endowed</td>
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<td>Marion County Medical Society Alliance Endowed Memorial Scholarship</td>
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<td>Bob Menard Endowed Scholarship</td>
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<td>Edwin G. Minnerly Endowed Memorial Book Scholarship</td>
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<td>Minority Endowed Scholarship</td>
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<td>Mittal Family Endowed Scholarship</td>
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<td>Mockingbird Ceramic Association Endowed Scholarship</td>
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<td>Markley and Marion Morris Endowed Memorial Scholarship</td>
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<td>Munroe Regional Medical Center Auxiliary Endowed Scholarship</td>
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<td>The Needham Family Endowed Scholarship</td>
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<td>Holly Dixon Niles Endowed Memorial Scholarship</td>
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<td>Oak Run Garden Club Endowed Scholarship</td>
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<td>Ocala Alumnae Chapter Delta Sigma Theta Sorority Inc. Endowed Scholarship</td>
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<td>Ocala High School Alumni Endowed Scholarship</td>
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<td>Ocala High School Alumni Foundation Endowed Scholarship (O’Neal and Janis Beeks Sutton)</td>
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<td>Ocala Junior Woman’s Club Endowed Scholarship</td>
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<td>Ocala Ladies of Elks Endowed Scholarship</td>
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<td>Ocala Lions Club Endowed Scholarship (In memory of Dr. Charles Henry Marks and Abe Shashy)</td>
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<td>Ocala Police Department Endowed Scholarship</td>
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<td>Ocala Regional Medical Center Auxiliary Endowed Scholarship</td>
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<td>Ocala Royal Dames for Cancer Research Endowed Scholarship</td>
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<td>Ocala Women’s Network Endowed Scholarship</td>
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<td>Optimist Club of Ocala Foreign Language Endowed Scholarship</td>
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<td>Arthur Woods O’Steen Endowed Memorial Scholarship</td>
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<td>(Ret.) Col. Ernest Clark O’Steen Endowed Memorial Scholarship</td>
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<td>On Top of the World Theatre Group Endowed Scholarship</td>
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<td>Diane F. Palmer Endowed Scholarship</td>
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<td>Palmer Family Endowed Scholarship (Nursing Students)</td>
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<td>Hazel and Jimmy Parrish Endowed Scholarship</td>
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<td>Carole Cepeda Pauw Endowed Scholarship</td>
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<td>Casius and Gwynn Pealer Endowed Scholarship</td>
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<td>The Dr. Cash Pealer Trustee Exemplary Service Endowed Scholarship Award</td>
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<td>Mary Elizabeth Perkins-Smith Endowed Memorial Scholarship</td>
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<td>Newt and Dorothy Perry Endowed Memorial Scholarship</td>
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<td>Rachel E. Perry Endowed Memorial Scholarship</td>
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<td>Phi Theta Kappa (Kappa Nu Chapter) Endowed Scholarship</td>
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<td>Pilot Club of Ocala Endowed Scholarship</td>
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<td>Frank G. Pinkston Sr. Endowed Memorial Scholarship</td>
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<tr>
<td>Pioneer Garden Club Horticulture Endowed Scholarship</td>
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Oliver and Lan Plunkett Endowed Scholarship - To honor and glorify God
Curtis E. and Thelma M. Pope Endowed Scholarship
Progress Energy Endowed Scholarship
Nathaniel Earl Rawls Sr. Endowed Memorial Scholarship
Walter Carl Ray Endowed Memorial Scholarship
Regions Endowed Scholarship
James A. and Ligoria A. Renaker Endowed Scholarship
Ross L. and Minerva B. Reynolds Endowed Memorial Scholarship
Robert F. "Bob" Ritterhoff Endowed Memorial Scholarship
Marion and Virginia Roche Endowed Scholarship
Virginia "Pat" Roche Endowed Memorial Scholarship
Carol and Thomas Rohde Endowed Scholarship
Jean C. Roscow Endowed Memorial Scholarship (In memory of Vice Chancellor Eugene Stevenson)
Bellevue Rotary Club Endowed Scholarship
Central Citrus Rotary Club Endowed Scholarship
Crystal River Rotary Club Endowed Scholarship
Rotary Club of Inverness Endowed Scholarship
The Kings Bay Rotary Club—George Wunsch Endowed Scholarship
Ocala Metropolitan Rotary Club Endowed Scholarship
Ocala Rotary—John D. Ryder Endowed Memorial Scholarship
Rotary Club—Ocala/Silver Springs Endowed Scholarship
Rotary Club of Ocala Southwest (Cheryl Deamer Boykin) Endowed Scholarship
Bruce Roth Endowed Scholarship Fund
Gordon Runciman Endowed Memorial Scholarship
Richard B. Salsbury Endowed Memorial Scholarship in Music
Dorthy May Sauder Endowed Memorial Scholarship
Jane Howard Schmehl Endowed Memorial Scholarship for Cultural and Performing Arts
Leon J. and Jane Howard Schmehl Endowed Memorial Scholarship
Leon J. Schmehl Memorial Endowment for CF Theater Scholarships
Gustave Schneider Endowed Memorial Scholarship
Holbrook Scott/Ocala Elks Endowed Memorial Scholarship
Scottish Society Endowed Scholarship
Seven Rivers Foundation Endowed Scholarship
Mont and Josie Shackman Endowed Memorial Scholarship
The Clarice Womack Share Endowed Scholarship
Helen Bradley Sheldon Endowed Scholarship for Creative Writing
Margie Slaughter Endowed Memorial Scholarship
Don and Rae Marie Smith Endowed Scholarship (Heldon Ranch)
Florence C. Smith Endowed Memorial Scholarship
Russ and Louise Smith Endowed Book Scholarship
Palma Sue Snyder Endowed Memorial Scholarship
Sparr Volunteer Fire Department Endowed Scholarship
Springs Masonic Lodge—Shields/Heimlich Endowed Scholarship
Silver Springs Shores Lion’s Club Endowed Scholarship (In honor of Mabel W. Henink)
Christopher D. Stafford Endowed Memorial Scholarship
Frank E. Stafford Sr. Endowed Memorial Scholarship
The Sophie Stalzer Endowed Memorial Scholarship
Van Staton — Belk Lindsey Endowed Scholarship
Jefferson Davis Steagald Endowed Memorial Scholarship
Stearns Family Endowed Scholarship
Mary B. Steddom Endowed Scholarship
Norman and Betty D. Straus Endowed Scholarship
Frank and Betty Strifler Endowed Scholarship
Student Nurses’ Association Endowed Scholarship
SunTrust Bank, Nature Coast Endowed Scholarship
SunTrust, North Central Florida Endowed Scholarship
Taste of Citrus Endowed Scholarship (Ongoing since 1990)
Taste of Levy Endowed Scholarship
Taste of Ocala Endowed Scholarship (Ongoing since 1989)
India McNutt Thompson Endowed Memorial Scholarship
Colonel S. Tooey Endowed Memorial Scholarship
Al and Beverly Topiol Endowed Scholarship
Barbara Geiss Trow Endowed Scholarship
Rita M. Turner Endowed Memorial Scholarship
Donald E. Tyler Endowed Scholarship
United Way of Marion County Endowed Scholarship
Robert W. and Lorna A. VanHoose Endowed Scholarship
Peter F. and Mary Louise Van Note Family Endowed Memorial Scholarship
Debra Allen Vazquez Endowed Memorial Scholarship
Otis Vernon Sr. Endowed Memorial Scholarship
James and Ethel Wade Endowed Memorial Scholarship
Albert O. and Alice W. Waldron Endowed Scholarship
James W. "Jim" Waldron Endowed Memorial Scholarship
Marguerite Whittaker Walker Endowed Memorial Scholarship
Thomas L. Weaver Endowed Scholarship
Gladys M. Webber Endowed Memorial Scholarship
Gladys M. Webber Endowed Memorial Vocational Scholarship
Jack S. and Vera M. Weiss Endowed Memorial Scholarship
Joel and Vela Weiss Endowed Memorial Scholarship
George H. and Rebecca W. Wenzel Endowed Memorial Scholarship
West Central Florida Chapter of the American Ex-Prisoners of War (Miriam Flanagan) Endowed Scholarship
William "Bill" Whisenhunt Endowed Memorial Scholarship
Doris Vaughn Wilkerson Endowed Memorial Scholarship
Margaret M. Wilkerson Endowed Scholarship
Elisabeth G. Williams Endowed Memorial Scholarship
J. Leslie Willigar Endowed Memorial Scholarship
H. S. Wilson Family Endowed Scholarship
Women of Sugarmill Woods Endowed Scholarship
Virginia R. Wood Endowed (Criminal Justice) Scholarship (In memory of Wesley and John Wood)
Virginia R. Wood Endowed (Fine Arts) Scholarship (In memory of Wesley and John Wood)
Virginia R. Wood Endowed (General) Scholarship (In memory of Wesley and John Wood)
Robert S. Wormser Endowed Memorial/E-One (Belleview High School) Endowed Scholarship
Dr. Gary Wright Memorial Scholarship (ORMC)
YES - Youth Education Scholarship Opportunities Inc. Endowed Scholarship (In memory of Claude McDonald)
Stephen and Ellen Zane Endowed Scholarship
Gayle Zanetti Endowed Memorial Scholarship
Enrico and Carmela Zollo Endowed Memorial Book Scholarship

Foundation Funded Programs
Athletics
College Brain Bowl
College Square
Mr. and Ms. CF Scholarship Program

STEPS, Scholarships Taking Elementary Promising Students to CF

**CITRUS COUNTY:**

- Central Ridge: Black Diamond Foundation Inc.
- Citrus Springs: Black Diamond Foundation Inc.
- Crystal River Primary: In honor of Betty Strifler
- Floral City Elementary: Michael D. Bays and Dr. John R. DeGraw
- Hernando Elementary: Taste of CF
- Homosassa Elementary: In honor of Nevin C. Jenkins
- Lecanto Primary: In honor of Mari-Elain Ebitz
- Pleasant Grove Elementary: Michael D. Bays and Dr. John R. DeGraw
- Rock Crusher Elementary: In honor of Sandra Balfour
- Forest Ridge Elementary: In memory of Tom Franklin

**LEVY COUNTY:**

- Bronson Elementary: Bernie L. Little
- Bronson Elementary: In honor of Robert E. Durrance
- Cedar Key School: In honor of Robert O. Hastings
- Cedar Key School: Jack Wilkinson (In memory of Hazel Etheridge)
- Chiefland Elementary: In honor of Robert O. Hastings
- Chiefland Elementary: Jack Wilkinson (In honor of Coach Doyle McCally)
- Williston Elementary: Linda A. Potter (In memory of Anna Faulk)
- Williston Elementary: Linda A. Potter (In memory of Bill Faulk)
- Yankeetown School: In honor of Carol Runnels-Sullivan

**MARION COUNTY:**

- Anthony Elementary: Anonymous (CF)
- Bellevue-Santos Elementary: Michael and Melissa Bianculli
- College Park Elementary: Arthur I. Appleton
- College Park Elementary: Appletown Potter Family Foundation
- Dr. N.H. Jones Elementary: Taylor, Bean and Whitaker Corp.
- Dr. N.H. Jones Elementary: In honor of Bobby L. James
- Dunnellon Elementary: Scotty and Diane Andrews
- Eighth Street Elementary: Clark Properties LLC
- Eighth Street Elementary: McBride Land and Development Company
- Emerald Shores Elementary: ClosetMaid
- Emerald Shores Elementary: ClosetMaid
- Fessenden Elementary: Bernie L. Little
- Fessenden Elementary: Kulbir Ghumman (In memory of Nans Ghumman)
- Fort McCoy School: Mary Brent Kraus
- Greenway Elementary: In honor of Frank M. and Naida K. Rasbury
- Greenway Elementary: In honor of Trustee Ron Ewers
- Harbour View Elementary: Live Oak Foundation – Chester C. Weber
- Horizon Academy at Marion Oaks: Ocala Eye P.A.
- Horizon Academy at Marion Oaks: Virgil and Debbie Kapp
- Madison Street Academy of Visual & Performing Arts: Regions Bank
- Madison Street Academy of Visual & Performing Arts: Regions Bank
- Maplewood Elementary: In honor of Frank M. and Naida K. Rasbury
- Marion Oaks Elementary: In memory of Juanita L. Entrekin
- Marion Oaks Elementary: In memory of Juanita L. Entrekin
- Oakcrest Elementary: Appleton Potter Family Foundation
- Oakcrest Elementary: Appleton Potter Family Foundation
- Ocala Springs Elementary: Linda A. Potter (In honor of Senator Evelyn J. Lynn)
- Reddick-Collier Elementary: Bernie L. Little
- Reddick-Collier Elementary: Linda A. Potter (In memory of Elizabeth S. Hunt)
- Romeo Elementary: Mary Brent Kraus
Endowed Chairs

**The Endowed Chairs for Excellence Program** provides the college financial resources to directly impact learning and teaching environments. There are five categories of Endowed Chairs, many of which have been named for the donors who, in establishing endowed chairs perpetuate their belief in the importance of education and the quality of CF programs and services. Currently, 52 grants are awarded to faculty and staff.

I. Excellence in the Teaching and Learning Environment

Attie G. Branan Endowed Memorial Chair (Any Discipline)
Attie G. Branan Endowed Memorial Chair (Occupational Programs)
Lee F. and Attie G. Branan Endowed Memorial Chair (Business)
Dorothea G. Jerome Endowed Memorial Chair (Any Discipline)
Sarala Ramkrishna Karve Endowed Chair (Any Discipline)
Munroe Regional Medical Center Endowed Chair (Health Occupations)
Munroe Regional Medical Center Endowed Chair (Math and Science)
Mr. and Mrs. Seymour B. Robinson Endowed Chair (Any Discipline)
Frank Webber Endowed Memorial Chair (Any Discipline)
Gladys M. Webber Endowed Memorial Chair (Any Discipline)

II. Excellence in the State-of-the-Art Learning Environment

Bank of America Endowed Chair (Humanities/Social Sciences)
Attie G. Branan Endowed Memorial Chair (Communications)
Attie G. Branan Endowed Memorial Chair (Undesignated)
CF Foundation Health Occupations Endowed Chair
Citrus Memorial Hospital Endowed Chair (Health Occupations)
Guy and Sophie Fifield Endowed Memorial Chair (Vocational Education)
Dorothea G. Jerome Endowed Memorial Chair (LRC-Citrus)
Dorothea G. Jerome Endowed Memorial Chair (LRC-Ocala)
Dorothea G. Jerome Endowed Memorial Chair (Science)
Markley and Marion Morris Endowed Memorial Chair (LRC-Ocala)
Ocala Regional Medical Center Endowed Chair (Health Occupations)
Prof. Vincent E. Best Family Endowed Chair (Science)
Richard B. Salsbury Endowed Memorial Chair (Music and Fine Arts)
SunTrust Bank - North Central Florida Endowed Chair (Business)

III. Excellence in the Cultural Environment

Arthur D. Beaman Endowed Memorial Chair
Dorothea G. Jerome Endowed Memorial Chair (Citrus Campus)
Dorothea G. Jerome Endowed Memorial Chair (Cultural)
Dorothy G. Lee Endowed Memorial Chair/College Park (Cultural)
Richard B. Salsbury Endowed Memorial Chair (Cultural)
Leon J. Schmehl Endowed Memorial Chair (Collection, Display and Maintenance)
Frank and Gladys Webber Endowed Memorial Chair (Cultural)
Frank M. Webber Endowed Memorial Chair (Cultural)
Gladys M. Webber Endowed Memorial Chair (Cultural)

IV. Excellence in the Educational Environment

CF Faculty/Staff/Trustees/Foundation Endowed Chair
Edna Sims Green Endowed Memorial Chair

V. New Initiative Endowment

Herbert J. and Nancy J. Booth Endowed Chair in Music
Central Florida Symphony Endowed Chair
CF Botanical Garden Endowment
CF Foundation E-Learning Endowed Chair
CF Foundation New Initiative Endowed Grants (Career Service, Professional, Administrative and College Wide)
CF Foundation Performing Arts Series Endowed Chair (Cultural)
CF Physical Education Endowed Chair
The James L. Copeland Endowed Chair
Dr. Charles R. and Sara R. Dassance Endowed Chair
Eloise L. Donaldson Endowed Memorial Chair for Excellence Program
Endowment for Diversity and Global Understanding
Hellen B. King-Driggers and Walter J. Driggers III Library Endowed Chair
Equine Studies Endowed Chair
Florida Thoroughbred Charities Endowed Chair (in memory of Dr. Ronald Chak)
Stanley Forgue Endowed Memorial Chair (Science)
Sharon and Jerome Glassman Endowed Chair (Innovative)
Dorothea G. Jerome Endowed Memorial Chair
Judith Kaplan Women’s History/Women’s Studies/Library Support Endowment Fund
T.M. “Tom” Kilgore Endowed Chair
Marion County Dental Association Endowed Chair
Eddie and Lillian O'Brien Endowed Memorial Chair in Business
Ocala Royal Dames Endowment for Cancer-Related Educational Resources
John and Phyllis Sharpe Endowed Chair
Elton and Gladys Stanaland Endowed Memorial Chair
The Gabor Co. Inc. Endowment (Employee Recognition)

**Appleton Museum of Art Endowments**
Appleton Eminent Scholar Endowed Chair in Visual Arts
Appleton Fellowships
Appleton Museum Acquisition Endowment
Appleton Museum Endowment for Advancement
Appleton Museum Endowment for Instruction & Library
Appleton Museum Endowment for Operations
Appleton Museum of Art Conservation Fund
Edith Marie Appleton Endowed Memorial Chair
Ina Gotler-Colen and Gladys Shafran Kashdin Acquisition Fund for Florida Artists
Winthrop King Endowed Memorial Chair
Martha Appleton Endowed Memorial Chair

**Program Endowments**
CF Promise for the Future Endowment Fund
Promise for the Future Endowment to Support CF Jack Wilkinson Levy Campus

**Other Endowments**
CF Federal Technology Grant

**Educational Trusts**
Anonymous CF Horticultural Trust
Black Diamond Foundation Scholarship Trust
Emily Lauren Brown Scholarship Trust
F.T.F.M. Foundation Inc. Finish Line Scholarship
Live Oak Properties Scholarship Trust
Wells Fargo First Generation Scholarship

**ID Cards**
All credit students are entitled to photo identification cards that allow attendance at campus activities, use of the Learning Resources Center and use of the Learning Support Center. Photo ID cards are required when purchasing textbooks with financial aid and selling textbooks back to the bookstore. Ocala and Citrus campus students should report to the campus Public Safety office to have a photograph taken and a card made. Levy Center students should inquire at the center business office for information on photo scheduling.

**Lost and Found**
Lost and found items are stored in the Public Safety office at the Ocala and Citrus campuses, and the lobby at the Levy Center. Items will be held for 60 days. After 60 days, unclaimed items will be donated or discarded as appropriate. To reclaim an item, the party claiming ownership must provide a picture ID and properly identify the item.

**Parking**
Traffic and parking regulations have been established to maximize safety and parking convenience. All vehicles brought to campus by students or employees must be properly registered with Public Safety. This can be accomplished at the Public Safety Office at the Ocala and Citrus campuses. A copy of the regulations and information on available parking areas is provided at the time of vehicle registration as well as on the CF website. All vehicles parked on campus without a current parking decal or special parking permit properly displayed will be ticketed, booted or towed at the owner’s risk and expense. See Special Fees and Charges on page 70 for information on fines and penalties for violation of traffic and parking regulations.

**Religious Holiday Observance**
In compliance with federal, state (F.S. 1006.53 and F.A.C. 6A-14.0571) and District Board of Trustees rule (3.18), which provide that there shall be no discrimination in the treatment of students and employees on the basis of religion, the college makes reasonable accommodation for religious observance, practice and belief. Such accommodation shall apply to admissions, registration, class attendance and activities, scheduling of examinations and official ceremonies, and work assignments.

**Sexual Offenders on Campus**
Federal and state law requires a person designated as a sexual offender or sexual predator to register with the local law enforcement agency where the offender resides. Offenders are also required to notify local law enforcement of their intent to apply for enrollment or employment at an institution of higher learning. The local law enforcement agency is, in turn, required to notify the college when receiving this information.

Information regarding sexual offenders or predators attending or employed by an institution of higher learning may be obtained from the local law enforcement agency with jurisdiction for the particular campus or by calling FDLE hotline (1-888-FL-PREDATOR) or (1-888-357-7332), or by visiting the FDLE website at http://offender.fdle.state.fl.us/offender.

The college has established a procedure for sexual offenders and predators who apply to the college. Sexual offenders are encouraged to self-identify when applying for admission by calling the office of the Vice President for Student Affairs located at the Ocala Campus. Such individuals will be required to submit specific information to the vice president for Student Affairs about their offense(s), adjudication, sentencing, probation and treatment, and will be interviewed to determine if they can be accepted. Conditions may be placed on their admittance to the college, and instructors in whose classes they enroll may be notified of their presence. Sexual predators who apply for admission will be denied. The complete CF Administrative Procedure on the Admission of Sexual Offenders or Sexual Predators can be found at http://www.cf.edu/about/procedures/.
Admission and Readmission of Students with a Violent Criminal Record

The college attempts to protect the safety of the campus community by screening applicants for admission or readmission who have a violent criminal record as well as by responding to information regarding violent illegal activity or new information concerning violent criminal charges for current students. The complete CF Administrative Procedure on the Admission and Readmission of Students with a Violent Criminal Record can be found at http://www.cf.edu/about/procedures/.

Student Privacy

The Family Educational Rights and Privacy Act passed in 1974 by the United States Congress relates to accessibility and confidentiality of student records. Provisions of the act classify the following as “directory information” that will be released to the public upon request, unless the student has specifically requested that all of the information not be released: name, address, date of birth, fields of study or area of interest, participation in officially organized activities and sports, weight and height of athletic team members, dates of attendance, degrees and awards received, and most recent previous educational institution attended.

Students not wishing the dissemination of “directory information” without prior consent must submit a written notice to the Office of Admissions and Records stating which of the above items are not to be released to the general public. All other information not listed above that relates directly to the student cannot be released without the student’s written permission.

Under the law, access to student records without the student’s permission is granted under the following circumstances: to teachers, administrators and the like in the same institution who have a legitimate educational interest in the student’s record; to other institutions in which the student intends to enroll; to the Comptroller General of the United States; in connection with a student’s application for, or receipt of, financial aid; to organizations such as Educational Testing Service or the College Entrance Examination Board involved in testing programs and student aid; to accrediting organizations; in compliance with judicial order or pursuant to any lawfully issued subpoena.

The college registrar can provide additional information on the Family Educational Rights and Privacy Act (Buckley Amendment).

Social Security Number Collection, Usage and Release

Florida Statute 119.071(S) and Sections 483 and 484 of the Higher Education Act of 1965 authorize the collection, usage and release of your Social Security number by the College of Central Florida.

CF collects, uses and releases your Social Security number only if specifically authorized by law to do so, or when it is imperative for the performance of its duties and responsibilities as prescribed by law. To protect your identity, the college will secure your Social Security number from unauthorized access, strictly prohibit the release of your Social Security number to unauthorized parties in compliance with state and federal law, and assign a unique CF identification number. This identification number will be used for all associated employment and educational purposes at CF. Specifically, CF collects, uses or releases a Social Security number for the following purposes:

Admissions

Federal legislation relating to the Hope Tax Credit requires that all postsecondary institutions report student Social Security numbers to the Internal Revenue Service. This IRS requirement makes it necessary for CF to collect the Social Security number of every student. A student may refuse to disclose their Social Security number to CF, but the IRS is then authorized to fine the student in the amount of $50. In addition to the federal reporting requirements, the public school system in Florida uses Social Security numbers as a student identifier (section 229.559, Florida Statutes, new school code section 1008.386). In a seamless K-20 system, it is beneficial for postsecondary institutions to have access to the same information for purposes of tracking and assisting students in the smooth transition from one education level to the next. All Social Security numbers are protected by federal regulation under the Family Educational Rights and Privacy Act.

Continuing Education and Corporate Training

Under Florida education reporting requirements, students who enroll in Continuing Education and Corporate Training seminars are required to submit their Social Security number.

Financial Aid

The Office of Financial Aid at CF requires students and parents of dependent students to submit their Social Security number on various forms in order to correctly identify applicants, match each applicant’s financial aid application information and data with the institution’s records, and to help coordinate state aid programs with federal and institutional aid programs.

Human Resources

The Social Security number is used for legitimate business purposes for completing, processing or distributing the following: Employment Application Forms; Federal I-9 (Department of Homeland Security); Federal W4, W2, 1099 (Internal Revenue Service); Federal Social Security taxes (FICA); Federal W2 (Internal Revenue Service); Unemployment Insurance (Florida Department of Revenue); Florida Retirement System (Florida Department of Revenue); Worker’s Compensation Claims (FCSRM and Department of Labor); Federal and State Employee and Educational Reports; Direct Deposit Files (Bank of America, ACH); 403b and 457b contribution reports; group health, life and dental coverage; completing and processing various supplemental insurance deduction reports; background checks; and payroll documents.
Workforce Programs
These programs use Social Security numbers as identifiers for program enrollment and completion. Also, it is used for entering placement information into either the One Stop Management Information System or the Employ Florida Marketplace statewide data collection and reporting system. Because these are performance-based contract programs, it is required that all participants and their program related activities be recorded in the Florida state systems.

Miscellaneous
The Social Security number is used for identification and verification, billings and payments, data collection, reconciliation, tracking, benefit processing, and tax reporting.

Release Statement
Social Security numbers may be disclosed only pursuant to Florida Statute 119.071 (6a – 6h).

Independent Contractors
The college collects contractors’ Social Security numbers in order to file information with the Internal Revenue Service, as required and authorized by federal law.

CF Transcripts
An official transcript request can be made online via the CF website, through MyCF. A transcript fee of $3 is required at the time of the request for each transcript and can be paid by cash, check, and credit or debit card. Students must be in good standing with the college (including all financial obligations) before the transcript request will be processed.

Official transcripts are sent by CF through the U.S. Postal Service or electronically to Florida state schools unless the student selects the FedEx option on the online transcript request or selects to for the transcript to be picked up. Unofficial transcripts can be obtained from the Florida Academic Counseling and Tracking System at FACTS.org http://www.FACTS.org or from the CF website through MyCF.

Transcript requests may take up to three business days to process from the date of the request. Please allow one week for transcript requests to be processed from archives (course taken prior to 1980).

Veterans Information
Students who are using their Veterans Affairs education benefits for the first time must activate their benefits with the VA. For quickest processing, it is recommended that veterans and/or dependents apply using the VONAPP website at www.gibill.va.gov. Hard copies of VA education benefit applications may also be downloaded from this website. Note: According to the VA regional processing office, the processing of the hard copy application will delay the receipt of benefits by approximately two to three months. **We strongly suggest utilization of the online application form.** Computers are available for use in the Enrollment Services Center at each campus. Students may also pick up a VA Certification instruction sheet in the Enrollment Services Center. This document provides detailed step-by-step instructions for application and use of VA educational benefits.

**Note:** Allow a minimum of six to eight weeks for the VA application or any paperwork to be processed by the VA regional office from the time the paperwork is submitted by the veteran to the VA regional office.

Each chapter 30, 31, 33, 1606 or 1607 (active duty or reserve) veteran must also submit a copy of his/her DD-214 discharge papers to the Office of Admissions and Records to have HLP 1081 credits posted to his/her official CF transcript. By agreement between CF and the Veterans Affairs, each chapter 30, 31, 33, 1606 and 1607 veteran will receive HLP 1081 Personal Wellness credit with a grade of S. **NOTE:** Because of this agreement, Chapter 30, 31, 33, 1606 and 1607 students should NOT register for HLP 1081 because it is not covered by the Montgomery GI Bill VA benefits.

**Chapter 35 (spouse/dependent) students are eligible to enroll in HLP 1081 at CF and this course is approved only for use by Chapter 35 VA benefit recipients.**

Students who have previously used their benefits at another institution must file a VA Change of Program or Place of Training form prior to certification. These may be obtained in the Enrollment Services Center/VA office and should be returned to the VA office prior to enrollment certification.

After submission of the VA benefit application, it generally takes 60–90 days processing time by the VA regional office before a benefit check is received.

**Important:** Completion of the enrollment certification process requires approval of courses by a counselor or advisor. Veterans and/or dependents will not be certified without an advisor approving their schedule each semester.

VA Deferments
In accordance with Florida law and college policy, any eligible veteran or dependent wishing to pursue an approved program within the parameters of Chapter 30, 33, 35, 1606 or 1607 will have upon request, 60 days after the first day of classes to pay registration fees. During summer terms, the deadline for payment of VA deferred fees will be 10 days before the last day of scheduled classes. Only **ONE fee deferment per academic year is allowed.** VA students are responsible for payment of all deferred fees by the due date regardless of whether or not they have received benefits from the VA.

Veteran and dependent students receiving a VA deferment will be expected to pay their tuition and fees by the date on their VA deferment contract. If the fees are not paid by the due date on the VA Deferment contract, the following may occur:

1. The student may be barred from class attendance.
2. The student may be administratively withdrawn from current class enrollment and earn no grades or credits for the semester.
3. No grades, transcripts or other academic records will be issued from the Office of Admissions and Records.
4. The student’s VA benefits will be terminated along with current semester enrollment and reported to the VA. This will result in an overpayment status with the Veteran’s Administration, and any received VA funds may need to be returned to the VA.
5. The student will be in a repayment status to CF and be held responsible for tuition and fees owed even if the student earns no credit for their semester.
6. The student will be barred from future registration until fees are paid.
7. If fees remain unpaid, the student’s account will be turned over for collection.
8. The student will forfeit eligibility to receive any future VA deferments while attending CF.

Under Public Law 94.502, veterans cannot be certified to the VA by CF in any program in which Chapter 30 and Chapter 35 VA recipients comprise more than 85 percent of the enrollment in the program. Chapter 35 VA students are included in the 85:15 percent ratio computation; however, they can be certified to the VA in any approved program, regardless of the percentage of veterans in that program.

**VA Standards of Progress**

The concept of unsatisfactory progress includes those VA students not progressing at a rate that will permit graduation within the approved length of the course, based on the time paid for by the VA. This provision may be waived if there is a VA finding of mitigating or extenuating circumstances. Students not meeting standards for satisfactory progress will be so notified, in writing, by the college Veterans Affairs office. Please refer to Academic Information Section of the catalog for information on Academic Warning, Probation, Suspension and Dismissal on page 63.

**VA Grades**

The VA prohibits payment of educational benefits for a course in which a student receives a nonpunitive grade (W, I, N or X), and these grades cannot be used in computing graduation requirements. This includes any course from which the student withdraws, unless there is a VA finding of mitigating circumstances that caused the withdrawal. Mitigating circumstances can be considered if the student can demonstrate good faith in pursuit of the course up to the point of withdrawal or completion and if the student submits evidence that he or she applied for tutorial aid and consulted a counselor in an attempt to remedy the unsatisfactory work before withdrawal or completion.

Only classes that apply to the degree or program will be certified to the VA. Minimum training time requirements for veterans are listed below:

### Time Requirements

**Fall/Spring**

<table>
<thead>
<tr>
<th></th>
<th>Term A</th>
<th>Term B</th>
<th>Term C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Full time</td>
<td>4</td>
<td>4</td>
<td>9+</td>
</tr>
<tr>
<td>3/4 time</td>
<td>3</td>
<td>3</td>
<td>7</td>
</tr>
<tr>
<td>1/2 time</td>
<td>2</td>
<td>2</td>
<td>5</td>
</tr>
</tbody>
</table>

See VA representative for less than half time or other enrollment variations.

**Reminder:** Any enrollment break of 30 or more days could result in an interruption of benefits.

**Unsatisfactory Attendance in Vocational Programs**

VA students in vocational programs will be monitored on a monthly basis for attendance. The VA will be notified of unsatisfactory attendance at the point during a semester that a vocational veteran student accumulates three unexcused absences. The veteran student may not be recertified for veteran benefits until 30 days of satisfactory attendance (no more than two unexcused absences in the 30-day period) has elapsed. Any noncollege degree veteran student who is terminated from receiving VA educational benefits will be notified in writing by CF.

**Note:** All VA students are required to present their registration forms (class schedules) to the CF VA office before they can be certified to the VA regional office for educational benefits. These schedules must be signed by a counselor or advisor. Please check with your program advisor to determine if you must schedule an appointment to have your schedule signed.

**AIDS and Bloodborne Pathogens**

Information on college policy 3.02 on HIV and bloodborne pathogens is available in the Human Resources office, the Learning Resources Department, on the college Intranet, and the office of the Vice President for Student Affairs. Copies are available in the latter office. The Ocala and Citrus campuses have counselors well versed on the subject and available to work with persons who have AIDS or who have questions about AIDS. Information shared is kept in strict confidence. Contact the Student Advising Department for assistance.

**Drug-Free Campus and Workplace**

College of Central Florida is committed to providing a campus and workplace environment free from the abuse of alcohol and the illegal use of alcohol and other drugs. In compliance with the provisions of the Federal Drug-Free Schools and Communities Act of 1989, the Drug-Free Workplace Act, and the Florida Drug-Free Workplace Program Requirements, the President or the President’s designee will take such steps as are necessary in order to adopt and implement a program to prevent the unlawful possession, use or distribution of illicit drugs and alcohol by College of Central Florida students or employees on College premises or part of any College activity. In furtherance of this policy, the President or the President’s designee shall establish procedures for drug and alcohol testing of employees and students.
The following standards of conduct apply to students and employees:

- Students and employees are prohibited from engaging in the unlawful manufacture, distribution or use of illicit drugs and/or alcohol on College property, CF Foundation properties, and/or during College activities.
- Students are prohibited from attending class while under the influence of illegal drugs or alcohol.
- Employees are prohibited from reporting to work while under the influence of illegal drugs or alcohol.
- Employees and students shall notify the College of any criminal drug statute conviction for a violation occurring in the workplace or during College-sponsored activities no later than five (5) days after such conviction.
- The President or the President’s designee is authorized to impose disciplinary sanctions on students and employees (consistent with local, state and federal law), up to and including expulsion or termination of employment and referral for prosecution, for violations of standards of conduct required by this policy. For purposes of this policy, a disciplinary sanction may include completion of an appropriate rehabilitation program.

(Florida Statutes 112.0455, 440.101, 440.102, 1001.02, 1001.64, 1006.62; CF Board Policy 3.19)

**Campus Environment**

The campus environment will be conducive to learning. Thus, the President is authorized to establish rules which foster the learning environment and safety on campus.

Specific prohibitions on campus include:

1. Firearms or other dangerous weapons, except for law enforcement officials legally authorized to carry such weapons or authorized classroom demonstrations of an unloaded weapon.
2. Any illegal drugs.
3. Animals may not be brought on any college grounds or facilities. Exceptions to this policy would include service animals for persons with disabilities and animals to be used for previously approved instructional or special programs.
4. Agents, salespersons and solicitors, unless specifically authorized by the President or the President’s designee or for those companies approved by the District Board of Trustees to offer an employee benefit through payroll deductions.
5. Food and beverages in classrooms and other college spaces, unless an area is specifically designated for food and beverages.
6. Gambling, except the sale of raffle tickets by college-sponsored organizations provided such sale is a donation and/or has been cleared with the local Office of the State Attorney.
7. Smoking in any college owned facility or vehicle.
8. Unattended minor children.
9. Alcohol, unless authorized by the President, for approved CF Foundation or college functions.

(Florida Statutes 112.0455, 1000.06, 1001.02, 1001.64, 286.206; CF Board Policy 3.20)

**Hepatitis B/Meningitis Awareness**

Florida law now requires that a postsecondary institution shall provide detailed information concerning the risks associated with meningococcal meningitis and hepatitis B and the availability, effectiveness, and known contraindications of any required or recommended vaccine to every student, or to the student’s parent if the student is a minor, who has been accepted for admission. **Meningitis** is a serious disease that affects the brain and spinal cord. Because bacterial meningitis is a grave illness and can rapidly progress to death, it requires early diagnosis and treatment. This is often difficult because the symptoms closely resemble those of the flu and the highest incidence of meningitis occurs during late winter and early spring (flu season). When not fatal, bacterial meningitis can lead to permanent disabilities such as hearing loss, brain damage, or loss of limbs. **Hepatitis B** is a serious infectious disease caused by a virus that attacks the liver. The hepatitis B virus (HBV) can cause lifelong infection that leads to cirrhosis (scarring) of the liver, liver cancer or liver failure. There is no cure for hepatitis B, but the infection can be prevented by vaccination. In the United States, an estimated 800,000 to 1.4 million persons have a chronic hepatitis B infection. Approximately 2,000 to 4,000 people die every year from hepatitis B-related liver disease.

Although there have been no reported cases of meningitis or hepatitis B at our college in recent years, we are taking the proactive step toward informing and protecting our students.
Academic Information

Academic Requirements

General Education Core: A Statement of Purpose

The CF General Education basic core will consist of the following components which address student achievement of learning outcomes: humanities, mathematics, natural sciences, social sciences and written communications. In addition, students are expected to complete college advisement/orientations, and to achieve skills in basic computer use. The purpose of the common core is to expose all degree-seeking students to a diversity of disciplines while meeting the institutional learning outcomes to provide for the following:

a. minimum level of adult literacy
b. foundation for advanced study
c. inquiry and scholarship through the improvement of basic and critical thinking skills
d. increased knowledge and appreciation of human experiences and achievements in the arts and sciences
e. better understanding of individuals and their cultures, both in America and abroad.

CF Institutional Learning Outcomes

College of Central Florida is committed to the development of individuals within the traditions of our democratic society. Through the richness of cumulative learning experiences, individually and collectively, students become participants in a dynamic learning community by exhibiting cooperation, respect and self-direction. Additionally, students will demonstrate increased knowledge, improved skills, responsibility, teamwork, and the ability to make sound ethical choices. Growth in these cognitive, affective and ethical abilities is measured by the following Institutional Learning Outcomes: Communications, Computer and Information Skills, Critical Reasoning, Global Socio-Cultural Responsibility and Quantitative and Analytical Reasoning. These learning outcomes provide a framework for students to grow intellectually, socially and culturally.

General Education Common Core

I. A common core consists of 15 credit hours of courses from the following disciplines which addresses the institutional learning outcomes: written communications, social sciences, humanities, mathematics and natural sciences. All degree-seeking students must successfully complete the common core with a cumulative GPA of 2.0 or better. NOTE: Any honors section of core courses will be accepted.

II. Requirements for the General Education Common Core. Total: 15 Credits.

<table>
<thead>
<tr>
<th>Discipline</th>
<th>Course</th>
<th>Credits</th>
<th>Institutional Learning Outcomes Addressed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Written Communication Skills</td>
<td>ENC 1101 Freshman Composition Skills I</td>
<td>3 credits</td>
<td>Communications, Computer and Information Skills</td>
</tr>
<tr>
<td>Social Sciences*</td>
<td>A. Introduction to Social Sciences (ISS 1013) and Introduction to Humanities (HUM 1020)</td>
<td>3 credits</td>
<td>Communications, Global Socio-Cultural Responsibility</td>
</tr>
<tr>
<td></td>
<td>B. World Civilizations I (WOH 2012) and either Introduction to Humanities (HUM 1020) or Introduction to Humanities: Since the Renaissance (HUM 1230)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Humanities*</td>
<td>C. World Civilizations II (WOH 2022) and either Introduction to Humanities (HUM 1020) or Introduction to Humanities: To the Renaissance (HUM 1210)</td>
<td>3 credits</td>
<td>Communications, Global Socio-Cultural Responsibility</td>
</tr>
<tr>
<td>Mathematics</td>
<td>Any approved course beyond college preparatory level</td>
<td>3 credits</td>
<td>Quantitative and Analytical Reasoning</td>
</tr>
<tr>
<td>Natural Sciences**</td>
<td>Any biological or physical science</td>
<td>3 credits</td>
<td>Critical Reasoning, Quantitative and Analytical Reasoning, Computer and Information Skills</td>
</tr>
</tbody>
</table>

*Select Option A, B or C to meet the six-hour social sciences/humanities requirement. Humanities and social science may be taken in any order. One is not a prerequisite for the other.

**At least one hour of science lab courses should be included for A.A. degree seeking students, either in the General Education Common Core or from the General Education course requirements.
Associate in Arts Degree Requirements

*(For students planning to transfer to a four-year institution after completing two years at CF)*

Since Aug. 1, 1989, universities in the state of Florida have required that all undergraduate transfer students admitted have two high school academic units in a single foreign language or the equivalent. The equivalent is interpreted as 8–10 semester hours of the same foreign language taken at college level. Many universities now have this as an entry requirement.

In addition to the General Education Common Core requirements noted previously, **Associate in Arts** students must:

a. Complete at least 60 credit hours, all of which must be transferable academic work exclusive of occupational courses and wellness/fitness courses, unless required in program. (15 credits General Education Common Core, 21 or 22 credits General Education requirements, 24 credits General Education electives). **Note:** A.A. degree-seeking students who plan to transfer to a four-year institution should be aware that a D grade may not transfer to the institution of their choice.

b. Achieve a grade point average of at least 2.0, C, in all college work and at CF.

c. Complete at least 15 semester hours in residence at CF (minimum 25 percent of semester hours) and attend during the semester that the degree is earned.

d. To satisfy F.A.C. Rule 6A-10.30 (the Gordon Rule), complete with a grade of C in designated Gordon Rule classes (noted within Course Descriptions for applicable courses).

e. To satisfy F.A.C. Rule 6A-10.30 (the Gordon Rule), complete six semester credit hours of mathematics at the level of MAC 1105 College Algebra or MGF 1106 Liberal Arts Mathematics I or higher. This rule is met when students complete, with a grade of C or better, six or more hours from the courses listed in the mathematics section of the General Education course requirements.

f. Complete 24 credit hours of elective courses, which include the required prerequisites for degree programs at the university. See Enrollment Services for articulation sheets for each program of study. Elective courses should be determined by the student’s area of interest and the requirements of the four-year college to which the student plans to transfer. It is recommended that the student complete eight semester hours in a foreign language, American Sign Language, or appropriate CLEP exam, if the student has not completed two years of the same foreign language in high school. Students seeking admission to the Florida State University System must have completed two years of foreign language at the high school level or two courses (eight credit hours) at the college level. Students enrolled in foreign language courses at CF must earn a grade of C or better before advancing to the next level.

**Note:** American Sign Language may satisfy the entrance requirement, but not the exit requirement, for most universities. Check with the college or university you plan to attend to determine acceptability.

g. Effective fall 2005, competency in the use of computers is a requirement for all degree-seeking students. This requirement may be satisfied through one of the following options:
   - satisfactory completion of an approved college computer course, **within the past five years**
   - satisfactory completion of a proficiency examination.

**Students are strongly recommended to meet the computer competency requirement through one of the options listed above prior to the completion of 24 college level credit hours.**

**Credit courses** that meet the computer competency requirement are:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CET 1171</td>
<td>Introduction to Computer Technology (Occupational Course)</td>
</tr>
<tr>
<td>CGS 1100</td>
<td>Microcomputer Applications</td>
</tr>
<tr>
<td>CGS 1062</td>
<td>Computers in Society — Honors</td>
</tr>
<tr>
<td>EME 2040</td>
<td>Introduction to Educational Technology</td>
</tr>
<tr>
<td>OST 1100</td>
<td>Professional Keyboarding I</td>
</tr>
</tbody>
</table>

Students wishing to take the computer competency proficiency exam may contact the Assessment and Testing Center, Bryant Student Union, Room 205.

The following courses have been approved to satisfy the computer competency requirement for students in Heath Sciences programs:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>DEA 1856</td>
<td>Clinic III Seminar</td>
</tr>
<tr>
<td>EMS 2658</td>
<td>Paramedic Clinical Experience III</td>
</tr>
<tr>
<td>NUR 2713C</td>
<td>Nursing IVA</td>
</tr>
<tr>
<td>NUR 2734C</td>
<td>Nursing IV</td>
</tr>
<tr>
<td>PHT 2931</td>
<td>Trends in Physical Therapy</td>
</tr>
<tr>
<td>RTE 2623</td>
<td>Radiation Physics II <em>(as offered by CTAE)</em></td>
</tr>
</tbody>
</table>

**Area of Interest: Education**

Students planning to study education in the State University System must complete, as a prerequisite for admission, ACT or SAT and three education courses:

- **EDF 2005** Introduction to the Teaching Profession
- **EDF 2085** Introduction to Diversity for Educators
- **EME 2040** Introduction to Technology for Educators

A minimum of 15 hours of supervised volunteer field experience in a school setting is required for EDF 2005 Introduction to the Teaching Profession and EDF 2085 Introduction to Diversity for Educators.

Students interested in the education field should contact the teacher education advisor at the CF University Center, 854-2322, ext. 1620.
An additional six hours of courses with an international or diversity focus are also required. The courses meeting this international/diversity requirement for this and other areas of interest are:

**Gordon Rule/General Education/Diversity Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 2000</td>
<td>Introduction to Anthropology</td>
</tr>
<tr>
<td>CGS 1062</td>
<td>Computers in Society — Honors</td>
</tr>
<tr>
<td>ECO 2013</td>
<td>Principles of Economics — Macro</td>
</tr>
<tr>
<td>ENL 2000</td>
<td>Honors English Literature</td>
</tr>
<tr>
<td>ENL 2012</td>
<td>English Literature I</td>
</tr>
<tr>
<td>ENL 2022</td>
<td>English Literature II</td>
</tr>
<tr>
<td>GEA 2000</td>
<td>Studies in the Humanities</td>
</tr>
<tr>
<td>FIL 2000</td>
<td>Film: The History and Aesthetics of Cinema</td>
</tr>
<tr>
<td>HIS 2095S</td>
<td>Studies Abroad in Civilization</td>
</tr>
<tr>
<td>HUM 2310</td>
<td>Mythology in Religion, Art, Literature and Music</td>
</tr>
<tr>
<td>HUM 2310H</td>
<td>Honors Mythological Symbolism in Art, Philosophy and Religion</td>
</tr>
<tr>
<td>HUM 2418</td>
<td>Islamic Civilization</td>
</tr>
<tr>
<td>HUM 2930</td>
<td>Spanish Culture and Civilization</td>
</tr>
<tr>
<td>LIT 2110</td>
<td>World Literature I</td>
</tr>
<tr>
<td>LIT 2120</td>
<td>World Literature II</td>
</tr>
<tr>
<td>LIT 2330</td>
<td>Introduction to Children’s Literature</td>
</tr>
<tr>
<td>REL 2300</td>
<td>Comparative Religions</td>
</tr>
<tr>
<td>WST 2010</td>
<td>Introduction to Women’s Studies</td>
</tr>
</tbody>
</table>

**General Diversity Electives (Non-Gordon Rule)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMH 2091</td>
<td>Introduction to African-American History</td>
</tr>
<tr>
<td>ANT 2140</td>
<td>Introduction to Archaeology</td>
</tr>
<tr>
<td>ANT 2310</td>
<td>American Indian Cultures</td>
</tr>
<tr>
<td>HUM 2520</td>
<td>Music in the Humanities</td>
</tr>
<tr>
<td>INR 2002</td>
<td>International Relations</td>
</tr>
<tr>
<td>LAH 2020</td>
<td>Introduction to Latin American Civilization</td>
</tr>
<tr>
<td>LIN 2740</td>
<td>Linguistics</td>
</tr>
<tr>
<td>WOH 2012</td>
<td>World Civilizations</td>
</tr>
<tr>
<td>WOH 2022</td>
<td>World Civilizations</td>
</tr>
</tbody>
</table>

**General Education Course Requirement**

In addition to the common core courses, each A.A. degree-seeking student MUST complete the following requirements (21–22 credits).

A.A. degree-seeking students must select courses from the General Education course requirements. Each course addresses institutional competencies and outcomes, and satisfies the Florida State Board of Education standards to meet the Gordon Rule requirements for writing and mathematics. All Gordon Rule writing and mathematics courses must be passed with a grade of C or better. General Education core courses (36 hours in total) must be passed with a cumulative GPA of 2.0 or higher.

Note: A.A. degree-seeking students who plan to transfer to a four-year institution should be aware that a D grade may not transfer to the institution of their choice.

The following courses meet the Gordon Rule requirement, with the exception of CPO 2001 Comparative Politics, ENC 2300 Interpersonal Communication, ENC 2608 Effective Speaking, SPC 2594 Intercollegiate Forensics Speech, THE 1925 Play Production, TPP 2100 Acting I, and natural science courses.

**ENC 1101 is a prerequisite for all courses used to satisfy the Gordon Rule writing requirement.**

**English**

**9 Credit Hours Required**

(3 hours from A, 3 hours from B and 3 hours from C)

A. Required A.S./A.A. Core Course

---

**ENC 1101** | Freshman Composition Skills I**

B. Required A.A. General Education Course

---

**ENC 1102** | Freshman Composition Skills II**

C. Choose One Course for A.A. Requirement

---

**MMC 1101** | Writing for Mass Communications**

---

**SPC 2594** | Intercollegiate Forensics Speech

---

**SPC 2608** | Effective Speaking

---

**SPC 2610** | Advanced Effective Speaking

---

**THE 1925** | Play Production

---

**TPP 2100** | Acting I

**Gordon Rule course: Requires C or better.**

**Humanities/Social Science**

**12 Credit Hours Required**

(6 hours from A, 3 hours from B and 3 hours from C)

A. Choose One Humanities Course for A.S./A.A. Core Requirement — (pay attention to Social Science course matching requirement)

---

**HUM 1020** | Introduction to the Humanities (may select ISS 1013, WOH 2012 or WOH 2022 as Social Science match)

---

**HUM 1210** | Introduction to the Humanities — To the Renaissance (must be taken with WOH 2022 as Social Science match)

---

**HUM 1230** | Introduction to the Humanities — Since the Renaissance (must be taken with WOH 2012 as Social Science match)

B. Choose One Additional Humanities Course for A.A.

---

**AML 2010** | Survey of American Literature I**

---

**AML 2010H** | Honors Survey of American Literature**

---

**AML 2020** | Survey of American Literature II**

---

**ARH 2050** | The History of Art I**
Select any TWO courses for A.A.

6 Credit Hours

Mathematics

C. Choose One Additional Social Science Course for A.A.

Choose One Course

**Gordon Rule course: Requires C or better.

Natural Science

7 Credit Hours Required — 3 credits A.S. / A.A. Core Requirement
(3 hours from A and 3 hours from B + 1 hour lab)

A. Biological — Choose One Course

Choose One Course

**Gordon Rule course: Requires C or better.

B. Physical — Choose One Course

Choose One Course

**Gordon Rule course: Requires C or better.
**Academic Information**

---

**Wellness Education**

2 Credit Hours Required

- HLP 1081 Personal Wellness Appraisal and Improvement (3 credits – 1 goes toward elective)**

**Gordon Rule course: Requires C or better.

---

**Electives — 24 Credit Hours**

You may choose any of the General Education courses or the General Electives on the following pages.

See an A.A. advisor for preprofessional course requirements for your area of interest.

---

**Completion of Computer Literacy Requirement**

Refer to the list of options on page 53.

---

**Summary of Associate of Arts Degree**

<table>
<thead>
<tr>
<th><strong>GENERAL EDUCATION:</strong></th>
<th><strong>36 HOURS</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>9 Hours</td>
</tr>
<tr>
<td>Humanities</td>
<td>6 Hours</td>
</tr>
<tr>
<td>Social Science</td>
<td>6 Hours</td>
</tr>
<tr>
<td>Mathematics</td>
<td>6 Hours</td>
</tr>
<tr>
<td>Natural Science</td>
<td>7 Hours</td>
</tr>
<tr>
<td>Wellness Education</td>
<td>2 Hours</td>
</tr>
</tbody>
</table>

**ELECTIVES:** [24 HOURS]

**TOTAL CREDIT HOURS** [60 HOURS]

---

**General Electives**

In addition to the common core courses, and the General Education course requirements, each A.A. degree-seeking student MUST complete 24 credit hours of the following general electives:

**Electives (Gordon Rule)**

- CRW 2001 Creative Writing**
- CRW 2002 Advanced Creative Writing
- ENC 2210 Technical Writing
- MMC 1101 Writing for Mass Communications

**Gordon Rule course: Requires C or better.

---

**General Electives (Non-Gordon Rule)**

The following courses may be used to satisfy the requirement for 24 elective hours. Gordon Rule courses from the General Education listings may also be used as electives, according to your planned field at a university.

**Art (Non-Gordon Rule)**

- ART 1201C Basic Design I
- ART 1300C Freehand Drawing I
- ART 1400 Printmaking I
- ART 1500C Painting I
- ART 2750C Ceramics I
- ART 2751C Ceramics II
- ART 2203C Basic Design II
- ART 2301C Freehand Drawing II
- ART 2401 Printmaking II
- ART 2501C Painting II
- ART 2701C Sculpture I
- ART 2702C Sculpture II

**Business (Non-Gordon Rule)**

- ACG 2021 Financial Accounting
- ACG 2071 Managerial Accounting
- BUL 2241 Business Law I
- ECO 2023 Principles of Economics—Micro
- FIN 2100 Personal Finance
- GEB 1011 Introduction to Business
- GEB 2935 Survey of Electronic Business
- MAN 2021 Principles of Management
- MAR 2011 Principles of Marketing
- MNA 2141 Basic Leadership/Supervisory Skills
- OST 1100 Keyboarding I
- OST 2335 Business Communications
- GEB 2350 Introduction to International Business

---

**Child Development and Education (Non-Gordon Rule)**

- CHD 1440C Child Care Practicum I
- CHD 1441C Child Care Practicum II
- EEC 2200 Curriculum in Childhood Education
- EEC 1931 Child Care Seminar
- EEC 2001 Early Childhood Education
- EEC 1000 Introduction to Child Development and Education
- EEC 1603 Child Guidance
- EEC 2401 Home and Community
- EEC 1921 Preschool Workshop

---

---
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEC 1940</td>
<td>Educational Field Experience</td>
</tr>
<tr>
<td>EEC 1907</td>
<td>Observing and Recording Behavior</td>
</tr>
<tr>
<td>EEX 2010</td>
<td>Survey of Disabling Conditions</td>
</tr>
<tr>
<td>ASL 1140</td>
<td>Introduction to American Sign Language I</td>
</tr>
<tr>
<td>ASL 1150</td>
<td>Introduction to American Sign Language II</td>
</tr>
<tr>
<td>CHI 1120</td>
<td>Elementary Chinese I, Concentrated</td>
</tr>
<tr>
<td>CHI 1121</td>
<td>Elementary Chinese II, Concentrated</td>
</tr>
<tr>
<td>FRE 1120</td>
<td>Elementary French I</td>
</tr>
<tr>
<td>FRE 1121</td>
<td>Elementary French II</td>
</tr>
<tr>
<td>JOU 2100</td>
<td>Introduction to Journalism and Newspaper Production</td>
</tr>
<tr>
<td>MMC 1000</td>
<td>Survey of Communications</td>
</tr>
<tr>
<td>SPN 1120</td>
<td>Elementary Spanish I</td>
</tr>
<tr>
<td>SPN 1121</td>
<td>Elementary Spanish II</td>
</tr>
<tr>
<td>SPN 2220</td>
<td>Intermediate Spanish I</td>
</tr>
<tr>
<td>SPN 2221</td>
<td>Intermediate Spanish II</td>
</tr>
<tr>
<td>THE 1925</td>
<td>Play Production</td>
</tr>
<tr>
<td>THE 2925</td>
<td>Production and Performance</td>
</tr>
<tr>
<td>THE 2927</td>
<td>Advanced Play Production</td>
</tr>
<tr>
<td>TPA 2070</td>
<td>Scene Painting</td>
</tr>
<tr>
<td>TPA 2212</td>
<td>Sound Production for the Theater</td>
</tr>
<tr>
<td>TPA 2220</td>
<td>Stage Lighting</td>
</tr>
<tr>
<td>TPP 2100</td>
<td>Acting I</td>
</tr>
<tr>
<td>CTS 2134</td>
<td>Networking Fundamentals</td>
</tr>
<tr>
<td>CGS 1062</td>
<td>Computers in Society — Honors</td>
</tr>
<tr>
<td>CGS 1100</td>
<td>Microcomputer Applications</td>
</tr>
<tr>
<td>CGS 2103</td>
<td>Spreadsheet Applications</td>
</tr>
<tr>
<td>CGS 2540</td>
<td>Database Management Systems</td>
</tr>
<tr>
<td>OST 1100</td>
<td>Keyboarding I</td>
</tr>
<tr>
<td>COP 1332</td>
<td>Programming in Visual Basic</td>
</tr>
<tr>
<td>COP 2250</td>
<td>Java Programming</td>
</tr>
<tr>
<td>CCJ 1020</td>
<td>Introduction to Criminal Justice System</td>
</tr>
<tr>
<td>CJC 1000</td>
<td>Introduction to Corrections</td>
</tr>
<tr>
<td>CJJ 1002</td>
<td>Juvenile Delinquency</td>
</tr>
<tr>
<td>CCJ 2013</td>
<td>Criminal Victimization</td>
</tr>
<tr>
<td>CJE 2061</td>
<td>Theory and Practice of Law Enforcement</td>
</tr>
<tr>
<td>CJE 2130</td>
<td>Criminal Law, Evidence and Procedures</td>
</tr>
<tr>
<td>CCJ 2941</td>
<td>Practical Applications in Law Enforcement</td>
</tr>
<tr>
<td>CJE 2330</td>
<td>Ethics in Criminal Justice</td>
</tr>
<tr>
<td>CJE 2600</td>
<td>Introduction to Criminal Investigation</td>
</tr>
<tr>
<td>HUM 2520</td>
<td>Music in the Humanities</td>
</tr>
<tr>
<td>IDS 1307</td>
<td>Interdisciplinary Studies — Math, Science and the Arts</td>
</tr>
<tr>
<td>PHH 2403</td>
<td>Survey of Modern Philosophy</td>
</tr>
<tr>
<td>PHI 2600</td>
<td>Introduction to Ethics</td>
</tr>
<tr>
<td>REL 2124</td>
<td>Church and State</td>
</tr>
<tr>
<td>REL 2210</td>
<td>Old Testament</td>
</tr>
<tr>
<td>REL 2240</td>
<td>New Testament</td>
</tr>
<tr>
<td>THE 2925</td>
<td>Production and Performance</td>
</tr>
<tr>
<td>THE 2927</td>
<td>Advanced Play Production</td>
</tr>
<tr>
<td>TPA 1200C</td>
<td>Basic Stagecraft</td>
</tr>
<tr>
<td>TPA 1290</td>
<td>Technical Theatre Lab</td>
</tr>
<tr>
<td>TPA 2070</td>
<td>Scene Painting</td>
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<td>TPA 2220</td>
<td>Stage Lighting</td>
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<tr>
<td>TPA 2212</td>
<td>Sound Production for the Theatre</td>
</tr>
<tr>
<td>TPP 2111</td>
<td>Acting I</td>
</tr>
<tr>
<td>MAT 1033</td>
<td>Intermediate Algebra</td>
</tr>
<tr>
<td>MAE 2801</td>
<td>Mathematics For Educators</td>
</tr>
<tr>
<td>DAA 1000</td>
<td>Introduction to Dance</td>
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<tr>
<td>DAA 1200</td>
<td>Ballet I</td>
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<tr>
<td>DAA 1201</td>
<td>Ballet II</td>
</tr>
<tr>
<td>DAA 1680</td>
<td>Patriot Dance Ensemble</td>
</tr>
<tr>
<td>MUE 2450</td>
<td>Woodwind Techniques</td>
</tr>
<tr>
<td>MUN 1012</td>
<td>Wind Symphony</td>
</tr>
<tr>
<td>MUN 1270</td>
<td>Concert Band</td>
</tr>
<tr>
<td>MUN 1310</td>
<td>Show Choir</td>
</tr>
<tr>
<td>MUN 1340</td>
<td>Concert Choir</td>
</tr>
<tr>
<td>MUN 1420</td>
<td>Woodwind Ensemble</td>
</tr>
<tr>
<td>MUN 1430</td>
<td>Brass Ensemble</td>
</tr>
<tr>
<td>MUN 1710</td>
<td>Jazz Band</td>
</tr>
<tr>
<td>MUN 1770</td>
<td>Show Choir Band</td>
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<tr>
<td>MUT 1111</td>
<td>Music Theory I</td>
</tr>
<tr>
<td>MUT 1112</td>
<td>Music Theory II</td>
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<td>MUT 2116</td>
<td>Music Theory III</td>
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<td>MUT 2117</td>
<td>Music Theory IV</td>
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<tr>
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<td>Class Piano I</td>
</tr>
<tr>
<td>MVK 2121</td>
<td>Class Piano II</td>
</tr>
<tr>
<td>MVV 1111</td>
<td>Class Voice</td>
</tr>
<tr>
<td>AMH 2010</td>
<td>U.S. History to 1877</td>
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<tr>
<td>AMH 2020</td>
<td>U.S. History Since 1877</td>
</tr>
<tr>
<td>AMH 2070</td>
<td>History of Florida</td>
</tr>
<tr>
<td>AMH 2091</td>
<td>Introduction to African-American History</td>
</tr>
<tr>
<td>ANT 2140</td>
<td>Introduction to Archaeology</td>
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<tr>
<td>ANT 2310</td>
<td>American Indian Cultures</td>
</tr>
<tr>
<td>ANT 2825</td>
<td>Anthropology Field School</td>
</tr>
<tr>
<td>DEP 2004</td>
<td>Human Growth and Development</td>
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<tr>
<td>EDG 1413C</td>
<td>Classroom Management</td>
</tr>
<tr>
<td>EDF 2085</td>
<td>Introduction to Diversity for Educators</td>
</tr>
<tr>
<td>EME 2040</td>
<td>Introduction to Technology for</td>
</tr>
</tbody>
</table>

See courses in General Education section on page 54.
EDP 2002  Educational Psychology
HSC 1562  Issues of Aging
HSC 2654  End of Life Ethics
HUS 1001  Principles and Strategies for Human Services
HUS 1551  Cultural Diversity and Implications for Practice
HUS 2540  Principles for Understanding and Working With Families
HUS 2541  Working With Families in Early Childhood
HUS 2542  Working With Families in the Perinatal Period
INR 2002  International Relations
ISS 2936  Honors Colloquium
LAH 2020  Introduction to Latin American Civilization
POS 2112  State and Local Government
SLS 1101  College Seminar
SLS 1301  Career Development
SLS 1501  College and Career Success
SLS 1502  Essential Study Skills
SLS 1503  Survey of Academic Study Skills
SLS 2261  Leadership Development
SOW 1031  Introduction to Social Work
SYG 2340  Human Sexuality
SYG 2430  Marriage and the Family

Wellness/Fitness (Non-Gordon Rule)

The following courses may be taken only if required for student’s particular field of study. They do not meet the wellness requirement in the CF General Education area.

Note: These courses do not count toward the wellness requirement.

—— HSC 2140  Drugs in Society
—— HSC 2400  First Aid
—— HUN 1201  Human Nutrition
—— PEL 1011  Team Sports I
—— PEL 1012  Team Sports II
—— PEL 2013  Team Sports III
—— PEL 2014  Team Sports IV
—— PEM 1101  Fitness and Resistance Training Theory and Application
—— PEM 1141  Aerobics I
—— PEM 1142  Aerobics II
—— PEO 1004  Contemporary Coaching Concepts
—— PEO 2121  Skills and Practices in Golf
—— PEO 2621  Basketball Fundamentals
—— PET 1000  Introduction to Physical Education
—— PET 2622C  Care and Prevention of Athletic Injuries

College Preparatory Program – Academic Foundations

The college preparatory program promotes and supports student success through a variety of courses, specialized services and curriculum innovations through the college’s Academic Foundations department. The mission of the Academic Foundations department is to prepare students for college success by building a strong academic foundation in the core subjects of reading, writing and mathematics. We offer additional courses and workshops designed to develop effective study, life and career skills. Academic Foundations is located in Building 2, Room 207, and students are encouraged to take advantage of the academic and student support services offered through the department to enhance college success. As part of the college’s enrollment process, students are assessed in the skill areas of reading, writing and mathematics using an entry level placement test. Based on this assessment, students may be placed in college preparatory courses in one or more skill areas. In the case of international students or non-native speakers of English, placement may begin in one of our English as a Second Language courses. All of our preparatory courses provide the foundation for success in college-level English or math courses.

The three areas of college preparatory instruction are mathematics, English (writing) and reading. Students who are assigned college prep instruction may take a limited number of college-level courses in each curriculum area as follows:

- a. A student assigned to college prep mathematics may not register for any college-level mathematics course until the college prep requirement in mathematics is successfully completed. Additionally, no course with a mathematics prerequisite or corequisite may be taken.

- b. A student assigned to college prep English or reading may not register for college-level English (ENC 1101 Freshman Composition Skills I) until the college prep requirement has been successfully completed. In addition, no course which has ENC 1101 as a prerequisite or corequisite may be taken.

- c. A student assigned to college prep reading may not take any college-level reading course or ENC 1101 until the college prep requirement has been successfully completed. In addition, no course which has ENC 1101 as a prerequisite or corequisite may be taken.

- d. ENC 0015 and ENC 0025 (Developmental Writing) and REA 0007 and REA 0017 (Developmental Reading) form the second or advanced level in the ESL (English as a Second Language) program. A student participating in the ESL program may not take college-level courses, except as noted in item B above.

All students required to enroll in a college preparatory course may elect to seek an alternative source for remedial instruction. The alternatives may include but not be limited to a private provider, continuing education, or the Learning Support Center.

Any student who tests into any college preparatory course or who selects an alternative method of instruction is encouraged to begin enrolling immediately in the college preparatory coursework and maintain continuous enrollment in college preparatory coursework until all college preparatory requirements have been satisfied. Once a student completes 12
credit hours of college-level coursework, the student will then be permitted to enroll only in college preparatory coursework until all prep requirements have been satisfied.

Students should enroll in at least one college preparatory course in their first semester. A student may take other appropriate college-level courses in addition to college preparatory courses if a student chooses to do so. However, all college preparatory courses must be completed prior to enrolling in more than 12 hours of college-level courses. Failure to comply with this rule will affect a student’s ability to enroll in college-level courses and may affect a student’s financial aid award. Florida statute F.S. 1009.28 requires CF to charge the full cost of instruction to students enrolled in the same college-preparatory class more than twice. However, extenuating circumstances may qualify for an exception to the increased fee. An exception based on extenuating circumstances may be used only once for each course.

**College Preparatory Courses**

College preparatory courses do not meet the General Education requirements and are nontransferable electives. They cannot be used to meet the 60-hour graduation requirement. College credit is not given for these courses. Students must continually enroll in required preparatory courses until all requirements are completed.

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>EAP 0280C</td>
<td>English as a Second Language Combined Skills I</td>
</tr>
<tr>
<td>EAP 0300C</td>
<td>English as a Second Language Speech/Language</td>
</tr>
<tr>
<td>EAP 0340C</td>
<td>English as a Second Language Writing</td>
</tr>
<tr>
<td>EAP 0360C</td>
<td>English as a Second Language Grammar/Structure</td>
</tr>
<tr>
<td>EAP 0440C</td>
<td>English as a Second Language Writing II</td>
</tr>
<tr>
<td>EAP 0460C</td>
<td>English as a Second Language Grammar/Structure II</td>
</tr>
<tr>
<td>EAP 0480C</td>
<td>English as a Second Language Intermediate Combined Skills II</td>
</tr>
<tr>
<td>ENC 0015</td>
<td>Developmental Writing I</td>
</tr>
<tr>
<td>ENC 0025</td>
<td>Developmental Writing II</td>
</tr>
<tr>
<td>MAT 0990</td>
<td>Developmental Mathematics</td>
</tr>
<tr>
<td>REA 0007</td>
<td>Developmental Reading I</td>
</tr>
<tr>
<td>REA 0017</td>
<td>Developmental Reading II</td>
</tr>
</tbody>
</table>

**Student Life Skills Courses**

Student Life Skills courses meet the general education requirements and are transferable electives. They can be used to meet the 60-hour graduation requirement.

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SLS 1501</td>
<td>College and Career Success</td>
</tr>
<tr>
<td>SLS 1502</td>
<td>Essential Study Skills</td>
</tr>
</tbody>
</table>

All students with college preparatory needs are encouraged to enroll in SLS 1501 College and Career Success in their first semester. Students with **college preparatory needs in two or more subject areas are required** to enroll in SLS 1501 College and Career Success in their first semester.

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**Associate in Arts Guarantees**

Associate in Arts graduates are guaranteed certain rights under the statewide articulation agreement (Rule 6A-10.024). The articulation agreement governs the transfer of students from Florida public colleges into the State University System. The agreement addresses general admission to the State University System and program admission to selected programs at a university.

**General Admission**

**Guarantees:**

Florida’s articulation agreement designates the Associate in Arts degree as the transfer degree. In doing so, the agreement guarantees that:

a. State college A.A. degree holders will be granted admission to a university within the State University System, but not necessarily to the university or program of choice.

b. Upon transferring to a state university, A.A. degree graduates will be awarded 60 credit hours toward the baccalaureate degree.

c. Generally, the university catalog in effect the year the A.A. degree student first enrolled at the state college will remain in effect for the student’s entire program, provided the student maintains continuous enrollment as defined in that catalog and completes the program within the university’s specified time frame. **Note:** Certain changes in law may affect the catalog.

d. Once a student has completed the General Education requirements and this is so noted on the transcript, regardless of whether an A.A. degree is awarded, no other state university or state college to which the student may transfer can require additional courses to the General Education requirements.

e. When transferring among institutions participating in the Statewide Course Numbering System, a receiving institution must accept all courses taken at the transfer institution if the same course with the same course number is offered at the receiving institution.

f. Credits earned through articulated acceleration mechanisms, such as dual enrollment, International Baccalaureate, early admission, Advanced Placement, and credit by examination, that are earned within the A.A. degree at the state college, will be transferable to the state university.

Students without an A.A. degree who are seeking admission to a state university do not have all the protection provided by the articulation agreement and may be denied admission or lose credit when transferring. In most cases, students without an A.A. degree will have to meet freshman admissions standards.

**Program Admission**

**General**

The universities determine the courses and prerequisites that must be taken in order to receive a baccalaureate degree for a chosen program. Although all credit earned toward an A.A. degree will transfer to a university, not all credit may satisfy the program prerequisites or the course requirements for a baccalaureate degree. Therefore, it is important to know the
program requirements and to take as many of these courses as possible at the state college while completing the A.A. degree.

**Limited Access**

Because of demand or limited resources, most of the universities have programs that are called limited access programs. Admission to limited access programs is granted on a competitive basis. Consequently, limited access programs have additional admission requirements that are more restrictive than the universities’ general admission requirements. These requirements include one or more of the following: minimum grade point averages, test scores, prerequisite courses, auditions and portfolios.

**Guarantees**

Neither Associate in Arts graduates nor native university students are guaranteed admission to limited access programs. However, the articulation agreement does provide certain guarantees, including that:

- a. The state college student will have the same opportunity to enroll in a university limited access program as the native university student.
- b. Selection and enrollment criteria for a university limited access program must be established and published in catalogs, counseling manuals, and other appropriate publications. Changes in program enrollment criteria must be given with sufficient advance notice for prospective students to adjust their programs to meet the new criteria.
- c. Students should keep a copy of all correspondence and a log of all telephone contacts. A copy of all of the above information should be forwarded to the university admissions office and the university articulation officer.

**University (Transfer) Admission Appeals**

If a student who has earned an Associate in Arts degree is accepted into a Florida public university, but is denied admission to a program, the university must state the reasons for the denial. This is usually done in a letter from the dean of the college, school or department. Any request for further clarification should include:

- a. a copy of the letter of denial
- b. a copy of the student’s transcripts
- c. a copy of the page(s) from the counseling manual or catalog outlining the program requirements
- d. a signed statement requesting a review of the denial.

Students should keep a copy of all correspondence and a log of all telephone contacts. A copy of all of the above information should be forwarded to the university admissions office and the university articulation officer.

**Articulation Officers**

The university articulation officer is responsible for assisting the state college student seeking admission to a university. If assistance is needed with an appeal request or if it appears that a department is not complying with the statewide articulation agreement, the university articulation officer should be contacted. Articulation officers at the state colleges are also responsible for assisting in the transfer of students to universities and can advise students in the interpretation of the articulation agreement and appealing an admissions decision.

**Appealing to the Articulation Coordinating Committee**

If the denial is upheld at the university level and there is still a question of potential violation of the articulation agreement, the student may request a hearing before the Articulation Coordinating Committee (Florida Education Center, Tallahassee, Florida, 32399-0400). All of the avenues available to the student at the institutional level should be pursued prior to appealing to the Articulation Coordinating Committee. The student should keep a copy of all correspondence and a log of all telephone contacts. The procedures for filing such an appeal with the Articulation Coordinating Committee are as follows:

- a. The student submits a statement of the problem, a copy of the letter of denial from the college/university, a copy of the transcript in question, a copy of the page(s) from the catalog or counseling manual, and a request to have a hearing before the Articulation Coordinating Committee for purposes of adjudication.
- b. All student appeals and policy concerns are reviewed by the Articulation Appeals Subcommittee, which then forwards its recommendation(s) to the Articulation Coordinating Committee. Issues not resolved by the subcommittee are sent to the full committee for resolution.
- c. The Articulation Coordinating Committee and Articulation Appeals Subcommittee may request the appearance of representatives or statements from the receiving or sending institution to provide additional information or clarification on the issue.
- d. A decision letter on the disposition of an appeal is written by the chair of the Articulation Coordinating Committee to the division deans, and copies are simultaneously sent to all persons involved, including the student. The decision of the Articulation Coordinating Committee shall be final.

**Associate in Science Degree Requirements**

In addition to common core requirements noted here, General Education Common Core on page 52, Associate in Science degree students must:

- a. Complete the specified number of hours of credit in an approved course of study as outlined for the program.
- b. Achieve a cumulative grade point average of at least 2.0 (C).
- c. Complete at least 25 percent of semester hours in residence at CF and attend during the semester the degree is earned.
- d. Effective Fall 2005, competency in the use of computers is a requirement for all degree-seeking students. This requirement may be satisfied through one of the following options:
  - satisfactory completion of an approved college computer course, **within the past five years**.
  - satisfactory completion of a proficiency examination.

**Students are strongly recommended to meet the computer competency requirement through one of the options listed above prior to the completion of 24 college level credit hours.**
Credit courses that meet the computer competency requirement are:

- CET 1171 Introduction to Computer Technology (Occupational Course)
- CGS 1100 Microcomputer Applications
- CGS 1062 Computers in Society – Honors
- EME 2040 Introduction to Educational Technology
- OST 1100 Professional Keyboarding I

Students wishing to take the computer competency proficiency exam may contact the Assessment and Testing Center, Bryant Student Union, Room 205.

The following courses have been approved to satisfy the computer competency requirement for students in Heath Sciences programs:

- DEA 1856 Clinic III Seminar
- EMS 2658 Paramedic Clinical Experience III
- NUR 2713C Nursing IVA
- NUR 2734C Nursing IV
- PHT 2931 Trends in Physical Therapy
- RTE 2623 Radiation Physics II (as offered by CTAE)

Baccalaureate Degree Requirements

Bachelor of Applied Science, B.A.S., and Bachelor of Science, B.S., Program Requirements

It is the student’s responsibility to determine, with the assistance of the program advisor, the courses necessary for completion of the B.A.S. and B.S. degrees. Students must complete the required curriculum, including any work required in special programs, and satisfy all obligations, financial and other, to the college prior to graduation. The following applies to all specializations within the B.A.S. and B.S. degrees:

a. Complete an application for graduation by logging into MyCF portal on or before the published deadline in their final semester. Previous CF graduates must still apply to graduate.

b. Fulfill all obligations, financial and other, to the college.

c. Students must have earned a 2.0 GPA in all baccalaureate coursework and earned a minimum of 120 credit hours to be eligible to graduate.

d. Students must complete the foreign language requirement by taking two years of the same language while in high school or successfully completed two semesters of the same language at the college level.

Academic Progress

College Credit Division

A student’s standing at the College of Central Florida will be determined by the relationship of hours attempted to grade points earned. To be considered in good standing and continue successfully toward a degree, a student must earn the grade points necessary to maintain a 2.0 (C) cumulative grade point average while at CF.

CF Unit of Credit

The College of Central Florida awards semester credits. Credit for standard lecture in-class and online instruction is granted at a ratio of one semester credit per each 50-minute class session per week for a 17-week semester. For example: A typical three-credit course requires three 50-minute classes per week for a 17-week semester. Semester credits are also given during the two six-week summer terms, as well as during special nonstandard terms, with the same total number of hours required per credit as during a regular term.

Credit for laboratory and clinical experiences is granted at ratios that range from one credit to one hour of lab/c clinical, to one credit to three hours of lab/c clinical per week for a 17-week semester. Courses offered in nonstandard terms will have laboratory and clinical credits adjusted accordingly.

Vocational credit hours are calculated by dividing the number of vocational clock hours by 30 to determine the number of credits for a given course during a 17-week semester. Courses offered in nonstandard terms will have vocational credit hours adjusted accordingly.

Note: Certain programs, such as Nursing and Physical Therapist Assistant, may consider a student to be full-time with less than 12 credits in a semester because of the one-to-three credit hour ratio of clinical or laboratory experiences required in that specific program. See specific programs for details.

Grade Point Deficit

A grade point deficit is the difference between the grade points needed for a C average and the grade points earned on hours attempted. The following examples demonstrate this concept. It should be noted that a student can go from a position of good standing to academic warning, probation or suspension within one semester.

- Fall (17 weeks): last week in August–mid December
- Spring (17 weeks): first week in January–last week in April
- Summer A (6 weeks): first week in May–mid-June
- Summer B (6 weeks): first week in June–first week in August
- Summer C (12 weeks): first week in May–first week in August
Academic Information

Example 1
New student in first semester:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Grade Points</th>
<th>Attempted Hours</th>
<th>Total Grade Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>4</td>
<td>multiplied by 3</td>
<td>12</td>
</tr>
<tr>
<td>B</td>
<td>3</td>
<td>multiplied by 3</td>
<td>9</td>
</tr>
<tr>
<td>C</td>
<td>2</td>
<td>multiplied by 3</td>
<td>6</td>
</tr>
<tr>
<td>D</td>
<td>1</td>
<td>multiplied by 3</td>
<td>3</td>
</tr>
</tbody>
</table>

\[12 = 30\]

To maintain good standing, a C average, which is equal to two grade points per credit hour, must be maintained. The total credits attempted multiplied by two will establish the minimum number of grade points needed. From the grade record listed above on 12 credit hours, 12 times two (for a C average) = 24 grade points. Since 30 grade points were earned, this student is in good standing.

Example 2
Same student as example 1, but in second semester:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Grade Points</th>
<th>Attempted Hours</th>
<th>Total Grade Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>C</td>
<td>2</td>
<td>multiplied by 4</td>
<td>8</td>
</tr>
<tr>
<td>D</td>
<td>1</td>
<td>multiplied by 3</td>
<td>3</td>
</tr>
<tr>
<td>F</td>
<td>0</td>
<td>multiplied by 4</td>
<td>0</td>
</tr>
<tr>
<td>F</td>
<td>0</td>
<td>multiplied by 4</td>
<td>0</td>
</tr>
</tbody>
</table>

\[15 = 11\]

This student earned 11 grade points in the second semester. Added to the 30 grade points from the first semester, the student has earned 41 grade points. For the 27 credit hours attempted (12 + 15 = 27), the student would need 54 grade points (27 times 2) to maintain a C average. Therefore, this student has a 13 grade point deficit (54 - 41 = 13) and will be placed on academic probation.

Example 3
New student in first semester:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Grade Points</th>
<th>Attempted Hours</th>
<th>Total Grade Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>F</td>
<td>0</td>
<td>multiplied by 4</td>
<td>0</td>
</tr>
<tr>
<td>F</td>
<td>0</td>
<td>multiplied by 3</td>
<td>0</td>
</tr>
<tr>
<td>D</td>
<td>1</td>
<td>multiplied by 3</td>
<td>3</td>
</tr>
<tr>
<td>D</td>
<td>1</td>
<td>multiplied by 3</td>
<td>3</td>
</tr>
</tbody>
</table>

\[13 = 6\]

In this example, the student earned six grade points on 13 semester hours; thus, 13 times 2 = 26 grade points needed for a C average. Since only six grade points were earned, this student would have a 20 point deficit and, therefore, would be suspended after just one semester.

GPA calculation using CF transcript information

Quality = the number of hours attempted that are calculated for GPA purposes (excludes courses with grades of W and N, as well as preparatory courses and courses that have been repeated).

Points = the number of grade points earned for GPA calculation purposes.

Deficit Points = Quality times 2 - Points

Academic Integrity and Honor Code

Purpose: This policy creates an honor code for students in their academic work.

Academic integrity is founded upon the values of honesty, trust, fairness, respect and responsibility. Exhibiting these values is essential to promoting and maintaining a high level of academic integrity at the college. Each member of the college community stands accountable for his or her actions. The first responsibility for academic integrity lies with individual students and faculty members. A violation of academic integrity is an act harmful to the entire college community and may result in disciplinary action.

Violations of the code shall include, but are not limited to:

**Cheating.** The improper taking or tendering of any information or material used or intended to use for academic credit. Taking of information includes, but is not limited to, copying homework assignments from another student; working with others on a take-home test or homework when not specifically permitted by the teacher; looking or attempting to look at another student’s paper during an examination; looking or attempting to look at text or notes during an examination when not permitted. The tendering of information includes, but is not limited to, giving work to another student to be used or copied; giving answers to exam questions as the exam is being given; giving answers or other such information after taking an exam to another student who has not yet taken the exam; giving or selling a term paper or other written materials to another student. (Adapted from the policy of the University of Florida.)

**Plagiarism.** From the Latin for "kidnapper," taking ideas from another and passing them off as one’s own, whether the ideas are published, unpublished, or the work of another student. Plagiarism includes, but is not limited to, submitting papers, examinations or assignments written by others; word-for-word copying of portions of another’s writing without indicating that the copied passage is a quotation (by the use of quotation marks or some other indicating device) and acknowledging the source in the appropriate format; the use of a particularly unique term or concept that one has come across in reading without acknowledging the author or source; the paraphrasing or abbreviated restatement of someone else’s idea(s) without acknowledging the author or source; the use of false citations or citing a source from which an idea has not been obtained; or submitting false or altered data in a laboratory. Plagiarism also occurs in a group project if a member of the group does not do his or her fair share of the group’s work but attempts to take credit for the work of the group. Because electronic information is so easily reproduced, respect for the work and personal expression of others is critical in computer environments. Violations, including plagiarism, invasion of privacy, unauthorized access, and copyright violations are grounds for disciplinary proceedings. Students should consult the section...
on plagiarism in the writing handbook used in ENC 1101.
(Adapted from the policies of Wheaton College, Old Dominion University, the University of Florida and the University of North Carolina – Greensboro.)

**Bribery.** Offering, giving, receiving, or soliciting any materials, items or services of value to gain academic advantage for oneself or another.

**Misrepresentation.** Any act or omission with intent to deceive an instructor or other college official for academic advantage, including using a computer program generated by another and handing it in as one's own work unless expressly allowed by the instructor; lying to an instructor to increase one's grade; lying or misrepresenting facts when confronted with an allegation of academic dishonesty; providing false statements upon financial aid forms or other college documents.

**Conspiracy.** Planning or acting with one or more persons to commit any form of academic dishonesty to gain academic advantage for oneself or another.

**Fabrication.** Use of invented or fictitious information or the falsification of research or other findings with the intent to deceive for academic advantage. (Adapted from the policy of the University of Florida.)

A component vital to the Academic Integrity and Honor Code is a pledge that applies to all assignments, examinations, or other course work undertaken by students of the College of Central Florida. On all work submitted by students of the College of Central Florida, the following pledge is either required or implied:

"On my honor I have neither given nor received unauthorized aid on this academic work, nor am I aware of others doing so."

The president or the president's designee shall establish the procedure for implementation of the Academic Integrity policy, including the establishment of an Honor Court. (CF Board Policy 4.14)

The complete CF Administrative Procedure for Academic Integrity can be found here:
http://www.cf.edu/about/procedures/

### Academic Warning, Probation and Suspension

#### Academic Warning
A student is placed on academic warning at the end of any term that his/her cumulative grade point average (GPA) is less than a 2.0.

#### Academic Probation
A student is placed on academic probation if his/her cumulative GPA falls below a 2.0 for two successive terms. Continued probation occurs when the student earns a minimum 2.0 term grade point average and the cumulative GPA remains below 2.0. The student is returned to good standing when the cumulative GPA is 2.0 or higher.

A student placed on academic probation or a student on continued probation is restricted to enrolling in no more than thirteen semester hours as outlined below:

<table>
<thead>
<tr>
<th>Semester</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
<td>13</td>
</tr>
<tr>
<td>Spring</td>
<td>13</td>
</tr>
<tr>
<td>Summer A</td>
<td>6</td>
</tr>
<tr>
<td>Summer B</td>
<td>6</td>
</tr>
<tr>
<td>Summer C</td>
<td>13</td>
</tr>
</tbody>
</table>

It is recommended that the student meet with an academic advisor to develop success strategies.

### Academic Suspension
A student on academic probation is placed on academic suspension when the term grade point average and the cumulative grade point average fall below 2.0. A student placed on academic suspension is suspended for a minimum of one full semester and then must petition the college for readmissions. Please contact Enrollment Services for assistance.

A student returning from suspension who earns a semester GPA of 2.0 or above will not be suspended for that particular semester, even though they may not have a cumulative GPA of 2.0. This performance shows promise and, if continued, will result in good academic standing. Under these circumstances, such a student will continue on academic probation.

### Academic Dismissal
Any student who is suspended a subsequent time will be dismissed from the college. Such a student is not eligible to be readmitted to the college for a minimum of one full calendar year. After the year, the student may petition the college for possible readmissions.

Students returning from dismissal who earns a semester GPA of 2.0 or above will not be suspended for that particular semester, even though they may not have a cumulative GPA of 2.0. This performance shows promise and, if continued, will result in good academic standing. Under these circumstances, such a student will continue on academic probation.

### Transferring to CF with Grade Points
All transfer students will be evaluated by these standards of progress, using the same criteria used for nontransfer students. Transfer students entering with deficit grade points will be assigned to the appropriate category, e.g., academic warning or probation. They will return to good standing when sufficient grade points have been earned to achieve a C average.

### Earning Credit While Suspended
A student under suspension from another institution may not enroll at CF, and a student under suspension from CF may not apply credits taken at another institution while suspended toward a degree at CF.

#### Standards of Progress Summary

<table>
<thead>
<tr>
<th>Grade Point Deficit</th>
<th>Academic Warning</th>
<th>Academic Probation</th>
<th>Academic Suspension</th>
</tr>
</thead>
<tbody>
<tr>
<td>1–9</td>
<td>1–9 grade point deficit</td>
<td>10–19 grade point deficit</td>
<td>20 or more grade point deficit</td>
</tr>
</tbody>
</table>
Provisions for Appeal

Any student who feels there were extenuating circumstances that led to a 20 or more grade point deficit may appeal his or her suspension status to the Student Petitions and Academic Review Committee.

A student (credit, occupational or audit) who withdraws from all classes must begin official withdrawal procedures by contacting a counselor or advisor. The college calendar gives specific deadlines for withdrawing from college without penalty.

Workforce Certificate Students

A workforce certificate student’s academic standing is determined by the same method as outlined in the section under College Credit Division. Program instructors may authorize a student to re-enroll for one additional semester if the student is suspended after only one semester. Failure to achieve satisfactory progress during the semester of re-enrollment will result in permanent suspension.

Veterans

See section on Veterans Information on page 49, for specific information.

Attendance Policy

Regular, punctual class attendance is the responsibility of every student who enrolls at the College of Central Florida; therefore, the institution is committed to enforcing the attendance policy in an effort to assist students in achieving their educational objectives. The documentation of student absences will begin the first day of class, regardless of when the student registers. When a student has a legitimate reason for being absent, the instructor has the option of permitting the student to make up work missed and may require an explanation for the absence. The college reserves the right to evaluate individual cases of nonattendance.

In general, students are graded on the basis of intellectual effort and performance. Class participation is a significant measure of performance, therefore nonattendance can adversely affect a student’s grade.

Participation in college-sponsored, off-campus student activities (such as student organization meetings or athletic events) is permitted to count toward class attendance or approved absence on the instructor’s class records. Students must give advance notice of the intended absence, within guidelines set by the individual instructor, in order to have the opportunity to prepare assignments and make up or avoid missing tests. Faculty members are expected to establish nonpunitive grading practices toward attendance at these college-sponsored, off-campus student activities such as student organization meetings or athletic events.

If conflicts exist between a student’s regularly scheduled class(es) and another activity (including the requirements of other classes), the student’s regularly scheduled class should receive priority. If adequate notification is given to the instructor, the student will not be penalized for nonattendance.

If a student accumulates so many absences that further enrollment in a course appears to be of little academic value, the instructor has the right to withdraw the student from the course. CF instructors may or may not initiate a request to withdraw a student from their classes (please check with individual instructors regarding their process); however, all withdrawals must be done on or before the withdrawal deadline that is published by the college.

A withdrawal may not be processed if the request is for the student’s third attempt at a course; the removal of a sole preparatory course if the student has earned 12 college credits; or if the student is a high school dual enrollment student and the permission of the high school counselor, home school parent and CF dual enrollment coordinator has not been granted. Withdrawal(s) may be reversed and a grade issued for a course as a disciplinary action resulting from breaching the college’s Academic Integrity and Honor Code.

Students enrolled in occupational certificate programs have required participation for skill development, therefore they are permitted limited unexcused absences (check with instructor). Students who exceed the number of unexcused absences may be placed on probation and, if additional unexcused absences occur, dropped from the program. The instructor determines whether or not an absence is excused, considering such factors as sickness, accidents and other circumstances beyond the student’s control.

Students enrolling in certain limited-access programs are expected to meet specific guidelines presented in program handbooks. Check the website at http://www.cf.edu/departments/instruction/limitedaccess.htm for more information regarding limited-access programs.

Grading System

Grade Point Average

Students are responsible for computing their own GPA. The transcript and degree audit should be carefully checked, and, if discrepancies exist, the Office of Admissions and Records should be notified immediately.

Grade point average is calculated based on the number of hours attempted per course and the grade point value associated with the letter grade.

Example:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
<th>Grade</th>
<th>Grade Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>3</td>
<td>A</td>
<td>4.00 (x 3) = 12.0</td>
</tr>
<tr>
<td>Math</td>
<td>3</td>
<td>B+</td>
<td>3.75 (x 3) = 11.3</td>
</tr>
<tr>
<td>Speech</td>
<td>3</td>
<td>F</td>
<td>0.00 (x 3) = 0.0</td>
</tr>
<tr>
<td>Psychology</td>
<td>3</td>
<td>C</td>
<td>2.00 (x 3) = 6.0</td>
</tr>
</tbody>
</table>

Total Credits: 12

Total Grade Points: 29.3

Divide 29.3 (grade points) by 12 (credits) = 2.4 GPA.
Grading Scale

Instructors must announce, in writing, at the beginning of each semester, specific grading policies for each class. At the end of each semester final grades are assigned and recorded on the student’s permanent record card. Grades assigned at CF are:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Interpretation</th>
<th>Grade Point Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Excellent (90–100)</td>
<td>4 grade points per semester hour</td>
</tr>
<tr>
<td>B+</td>
<td>Very Good (87–89)</td>
<td>3.75 grade points per semester hour</td>
</tr>
<tr>
<td>B</td>
<td>Good (80–86)</td>
<td>3 grade points per semester hour</td>
</tr>
<tr>
<td>C+</td>
<td>High Average (77–79)</td>
<td>2.75 grade points per semester hour</td>
</tr>
<tr>
<td>C</td>
<td>Average (70–76)</td>
<td>2 grade points per semester hour</td>
</tr>
<tr>
<td>D</td>
<td>Poor (60–69)</td>
<td>1 grade point per semester hour</td>
</tr>
<tr>
<td>F</td>
<td>Failure (Below 60)</td>
<td>No grade points</td>
</tr>
<tr>
<td>I</td>
<td>Incomplete</td>
<td>No grade points</td>
</tr>
<tr>
<td>IP</td>
<td>In Progress</td>
<td>No grade points</td>
</tr>
<tr>
<td>S</td>
<td>Satisfactory</td>
<td>No grade points</td>
</tr>
<tr>
<td>SP</td>
<td>Satisfactory Progress (College Prep Only)</td>
<td>No grade points</td>
</tr>
<tr>
<td>U</td>
<td>Unsatisfactory</td>
<td>No grade points</td>
</tr>
<tr>
<td>W</td>
<td>Withdraw from Course</td>
<td>No grade points</td>
</tr>
<tr>
<td>X</td>
<td>Audit</td>
<td>No grade points</td>
</tr>
<tr>
<td>N</td>
<td>No Grade ([College Prep Only]</td>
<td>No grade points</td>
</tr>
<tr>
<td>NG</td>
<td>No Grade (Labs)</td>
<td>No grade points</td>
</tr>
</tbody>
</table>

The grading policy for all divisions, with the exception of Health Sciences, Criminal Justice Institute, Educator Preparation Institute, the ADN program and the Practical Nursing program, will adhere to the following scale:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Interpretation</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>90-100%</td>
</tr>
<tr>
<td>B</td>
<td>87-89%</td>
</tr>
<tr>
<td>B+</td>
<td>80-86%</td>
</tr>
<tr>
<td>C+</td>
<td>77-79%</td>
</tr>
<tr>
<td>C</td>
<td>70-76%</td>
</tr>
<tr>
<td>D</td>
<td>60-69%</td>
</tr>
<tr>
<td>F</td>
<td>Below 60%</td>
</tr>
</tbody>
</table>

Health Sciences Division will use the following scales, depending on program:

A  92-100%
B  84-91%
C  75-83%
D  68-74%
F  Below 68%

The Criminal Justice Institute will use the following grading scale:

A  93-100%
B  86-92%
C  80-85%
F  Below 80%

The ADN and Practical Nursing programs will use the following grading scale:

A  90-100%
B  80-89%
C  75-79%
D  65-74%
F  Below 65%

The Educator Preparation Institute will use the following grading scale:

A  90-100%
B  80-89%
C  70-79%
D  60-69%
F  Below 60%

Students registered in college prep courses who receive N grades must repeat the same course and complete it with a grade of C or better, or achieve a passing score on the PERT before they can register for other courses.

I Grades

When the grade of I is issued it is the student’s responsibility to meet with the instructor and make the necessary arrangements for completing the course work. An Incomplete I Grade Course Completion Arrangement form must be submitted at the time of grading for each course in which the grade of I is issued. A final date for the completion of all work must be agreed upon and cannot be more than six months past the date of the form. If the course work is completed by the student by the deadline, the instructor will forward a new grade to the Office of Admissions and Records within one week after receiving the completed work from the student. If the course work is not completed by the agreed upon date, the registrar will post the grade listed on the form as the final grade on the student’s permanent record.
Final Grades

Final grade reports are available on the student portal at the end of each semester. Only grades issued at the end of a semester are placed on a student’s permanent record. Final grade reports include a cumulative grade point average.

Grade Appeal Process Guidelines

Any student wishing to appeal a final course grade must follow, in consecutive order, the steps (levels) shown below:

**Level I**
A student who believes a course grade has been awarded unfairly or in error must discuss the concern with the instructor within 30 calendar days from the time the grade is awarded. (Note: In the event the instructor is not available within 30 days after the grade is awarded, the student may notify the instructor’s supervisor within the 30-day period.)

**Level II**
If the matter cannot be resolved between the instructor and the student, the student may request a meeting with the instructor’s supervisor (associate dean, dean or associate vice president) to initiate a written appeal (i.e., submit a Grade Appeal Form).

**Level III**
In the event the student is not satisfied at the Level II decision, the student has the right to present the concern to the Chief Academic Officer, CAO. If the student wishes to exercise this right, then within five working days after receipt of the written Level II decision, the student must deliver a copy of the Grade Appeal Form with the appropriate documentation and a copy of the written Level II decision to the Vice President for Academic Affairs.

Within 10 working days from receipt of the Grade Appeal, the VPAA will determine if further review is warranted. If the VPAA determines that it is not, he/she will render a final written decision to the student. If the VPAA determines that further review is warranted, he/she will ask the college president to convene a Grade Appeals Committee. The committee will make its decision based on the Grade Appeals Form and the attached documentation, the written decision of the instructor’s supervisor, and the information presented by the student, the instructor and their witnesses. The Grade Appeals Committee will deliver a recommendation to the VPAA, who then has the right to reject or accept the recommendation. The decision of the VPAA will be final and binding on all parties.

Grade Forgiveness Policy

The grade forgiveness policy permits a student to repeat a course in an attempt to improve a grade of D or F earned in the course. Only the last grade earned in a repeated course will be computed into the student’s GPA. On the transcript, “repeated” shows the initial attempts and “replaces prior course” indicates the last attempt. The student will be limited to three attempts (two repeats) per course with a grade being issued for the third attempt [F.A.C. 6A-14.0301 1(b)]. Withdrawals and audits count as attempts after the add/drop period. Withdrawals will not be used to increase a GPA.

1. Grade forgiveness is limited to courses where a grade of D or F was earned. [F.A.C. 6A-14.0301 2(a).] Courses with a grade of C or better will not be granted grade forgiveness.
2. Grade forgiveness is limited to the first two attempts at a course. [F.A.C. 6A-14.0301 2(b).]
3. A student will be permitted a maximum of two withdrawals per course. Upon the third attempt, the student will not be permitted to withdraw and will receive a grade for that course. [F.A.C. 6A-14.0301 1(b).]
4. A student enrolled in the same undergraduate college credit course for the third attempt shall pay tuition at 100 percent of the full cost of instruction (out of state fee rate), and shall not be included in calculations of full-time equivalent enrollments for state funding purposes. Students may petition to waive the additional fees due to financial hardship. [F.S. 1009.285.] Petitions must be submitted to the Enrollment Services Center prior to the end of the add/drop period for the semester in which the student is enrolled in the third attempt.
5. A student may have only three attempts per course including the original grade, repeat grades and withdrawals at any point in the semester. A fourth attempt may be allowed only through an academic appeals process based on major extenuating circumstances. [F.A.C. 6A-14.0301 3.]
6. The student should check with the Office of Financial Aid about the possible financial consequences of repeating a course prior to withdrawing from the course.
7. If the student plans to transfer to another institution, he or she must check with that institution regarding acceptance of “forgiveness” courses in the computation of the student’s GPA.
8. Courses that are designated as repeatable, such as choir, music or journalism, or are individualized courses of study, may not be eligible for grade forgiveness. [F.A.C. 6A-14.03012(d).]

Withdrawal

1. The student may withdraw without academic penalty from any course by the midpoint in the semester. (F.A.C. 6A-14.0301 1(a).) Check the college calendar for withdrawal deadlines.
2. The student will be permitted a maximum of two withdrawals per course. Upon the third attempt, the student will not be permitted to withdraw and will receive a grade for that course. [F.S. 1009.28 and F.A.C. 6A-14.0301 1(b).]
3. Preparatory students who have completed 12 hours of college credit coursework before completing all college preparatory courses must maintain continuous
enrollment in college preparatory coursework each semester and may not withdraw from their sole preparatory course while remaining in other college credit coursework. [F.S. 1008.30 4(a) and F.A.C. 6A-10.0315(20).]

4. Audit students can withdraw at any time.

5. A student (credit, college credit certificate or audit) who withdraws from all classes must begin official withdrawal procedures by seeing an advisor, department chair or program manager. The college calendar gives specific deadlines for withdrawing from the college.

6. It is the student’s responsibility to withdraw from a course by the withdrawal deadline date for the current semester if he/she can no longer continue to attend class and/or feels he/she cannot pass the course. Instructors may not initiate a withdrawal on the behalf of the student. If the student stops attending a class and does not withdraw properly, the student will earn an F grade for that class.

**NOTE:** A withdrawal may not be processed if the request is for the student’s third attempt at a course; the removal of a sole preparatory course if the student has earned 12 college credits; or if the student is a high school dual enrollment student and the permission of the high school counselor, home school parent and CF dual enrollment advisor has not been granted. Withdrawal(s) may be reversed and a grade issued for a course as a disciplinary action resulting from breaching the college’s Academic Integrity and Honor Code.

### Petition to Withdraw with a Refund

In keeping with Florida Administrative Rule 6A-14.0541, the College of Central Florida will consider a petition for retroactive withdrawal and/or refund of fees for a course after the official drop period when the student withdraws due to circumstances determined by the college to be exceptional and beyond the control of the student. There are three semesters in the academic year: fall, spring and summer. The college will consider a student’s petition through the end of the semester following the semester in which the student withdrew because of extraordinary circumstances. After the end of the semester following withdrawal, no petition will be accepted without the approval of the vice president for Student Affairs.

Any student wishing to petition for a refund of fees due to exceptional circumstances must complete a Student Petition Form in the Office of Enrollment Services at the appropriate campus.

### Petitions, Grievances and Academic Review

In cases of unusual circumstances where specific regulations do not seem to be in the best interest of a student’s academic program, provision for review has been established through a faculty committee on student petitions. This committee has the authority to review matters pertaining to academic progress and to recommend exceptions concerning any academic regulation if such seems to be in the best interest of the student and of the college.

Petition forms pertinent to academic progress and/or academic regulations are available in the Enrollment Services Center at the Ocala and Citrus campuses and the Administrative Office at the Levy Center. These forms are to be used by any student who, after discussion with the assigned advisor or counselor, believes that special circumstances govern the situation.

The college has established and published in the Student Handbook, a policy for hearing and settling of student grievances. Any student who feels he or she has been discriminated against on the basis of gender, race, color, religion, age, marital status, or disability in the application of any policy or procedure of College of Central Florida should contact the office of the Vice President for Student Affairs to file a letter of grievance.

### Graduation

#### Graduation Requirements

Students should be aware of the graduation requirements. These include the core curriculum, payment of all fees, and any work required in special programs. It is the student’s responsibility to determine the courses necessary for transfer to any upper division college or university and to meet any prerequisite courses required by those upper division programs. Students should see an advisor/counselor prior to submitting a graduation application. For more information, visit the graduation website at http://www.cf.edu/departments/sa/graduation/.

To begin the application process students should take the following steps:

1. Complete an online graduation application by logging into the student portal and clicking on the tab **graduation**. There is no fee to submit a graduation application.
2. Fulfill all obligations, financial and other, to the college.
3. All graduates are encouraged to attend the graduation ceremony. There is no fee associated with participating in the graduation ceremony. There is no fee for caps and gowns.
4. For subsequent graduations, prospective graduates must still apply to graduate.

When processing your application for graduation, the following graduation requirements will be reviewed:

1. completion of the required courses and number of credits
2. minimum of a 2.0 cumulative GPA, CF GPA, and program GPA
3. 25 percent residency requirement mandated by the Southern Association of Colleges and Schools (Students must have earned a minimum of 25 percent of the credits toward their degree at CF.)
4. passing test scores (if applicable for certificate programs)
5. honors designation.

**PLEASE NOTE:** For the purpose of recognition at the graduation ceremony, an “Honors” designation is based on all grades from all previous semesters. Grades from the current semester are not computed at this time, but will be included on your final transcripts.
A.A., A.S., B.A.S. and B.S. honor graduates must have a:
- 3.5 or higher college level cumulative GPA and a
- 3.5 or higher CF college level cumulative GPA and a
- 3.5 or higher all college cumulative GPA.

Vocational honor graduates must have a:
- 3.5 or higher vocational GPA.

Honors Programs

Honors courses are offered currently in the following areas of study: communications, science/technology, mathematics, social sciences and humanities, as well as the Leadership Development course and a one-credit Honors Colloquium.

Honors Recognition

The President’s List and the Dean’s List recognize students for outstanding scholastic work. These lists are produced at the end of each semester — fall, spring and summer. Students who earned 12 or more credit hours of academic work, excluding college prep hours, or 12 vocational credits, and attained a grade point average of 4.0 for the semester will be placed on the President’s List. Students who earned 12 or more credit hours of academic work, excluding college prep credit hours, or 12 vocational credits, and attained a grade point average of 3.3 for the semester, with no grade lower than a C, will be placed on the Dean’s List. Students meeting these requirements in a combination of both summer terms will be eligible for these honors.

Phi Theta Kappa is an international honor society. Psi Beta is a national psychology honor society. Sigma Delta Mu is a national Spanish honor society. Contacts for information are in the student handbook.

Graduates who have earned a 3.5 overall GPA in all work taken at CF and an overall 3.5 GPA on all college work attempted will be graduated with honors. Honor graduates are recognized at graduation ceremonies and have the notation “Graduated with Honors” on their permanent records.

Community of Scholars

The Community of Scholars, CF's honors program, offers exceptionally able students the challenge and opportunity to enhance their academic talents and careers. Through its curriculum of enriched studies, the Community of Scholars emphasizes three goals: to recognize excellence in scholarship, to reward distinguished achievement, and to direct intellectual curiosity toward continued accomplishment.

The Community of Scholars focuses attention on these areas of study: language and literature, humanities, history, science and technology. These honors seminars are currently offered:

- AML 2010H Honors American Literature
- CGS 1062 Computers in Society – Honors
- ENL 2000 Honors English Literature I
- HUM 1020H Honors Introduction to the Humanities
- HUM 2310H Honors Mythological Symbolism in Art, Philosophy and Religion
- HUM 2532H Honors Western Ideologies
- ISC 1004 Integrated Natural Sciences: Honors
- PSY 2012H Honors General Psychology
- REL 2300H Honors Comparative Religions
- SPC 2608H Honors Effective Speaking
- STA 2023H Honors Elementary Statistics
- WOH 2012H Honors World Civilizations I
- WOH 2022H Honors World Civilizations II

In addition, SLS 2261 Leadership Development is required for all Track I participants.

All highly motivated students who plan to work toward an Associate in Arts degree from CF should seek admission to the Community of Scholars program. The following guidelines are used to identify those students who should benefit most from enriched studies in the honors program. It should be noted, however, that no single criterion in the following list is absolute: i.e., a SAT score of 1050 might prove acceptable for a student with demonstrated successes in other areas.

a. a composite score of 25 on the ACT or a total of 1,100 on the SAT
b. a high school grade point average of at least 3.75 (on a 4.0 scale) or ranking in the top 10 percent of their graduating class or a minimum 3.3 grade point average at CF
c. outstanding scores on CF placement tests, such as the ACT, SAT and/or PERT
d. demonstration of special talents or abilities through portfolios, projects, papers, awards, auditions, etc.

The Community of Scholars issues formal invitations to graduating high school seniors meeting selective admission requirements. The two-year program requires completion of 18 credit hours in honors courses while maintaining a minimum cumulative grade point average of 3.3. Scholarships for four semesters are awarded to as many as 58 selected students yearly.

Since 1990, the Community of Scholars program has also invited outstanding CF scholars into a second track, designed to include students who did not come to CF directly from high school. These students must earn a minimum of 12 honors credits. Track 2 students may become eligible for partial tuition scholarships after their first semester in the program. For more information on the Community of Scholars, contact the director of the Honors Institute.
Financial Information

Fees and Refunds

College fees and tuition assessments are based on the applicant’s residence. Fees may be paid by cash, check, money order or credit card and must be paid on or before the dates indicated on the student’s schedule. For advanced registration, all fees are due and payable on the date specified at the time of registration. For regular registration, which is held immediately prior to the start of the semester, the fees are due and payable at the time of registration, except as authorized by law or State Board of Education Rules. Exceptions include special courses with registration and payment dates to be established by the director of Financial Aid, Veterans fee deferment and Florida National Guard fee waivers.

Students who have been awarded financial aid or are eligible for Bright Futures scholarships may have their tuition and fees deferred at the time of registration. However, if financial aid is denied or the award does not cover a student’s financial obligation, the student will be responsible for payment of the outstanding obligation.

All debts incurred due to denial or insufficient coverage must be satisfied no later than 60 calendar days after the first day of class, regardless of any pending financial aid (Florida State Board of Education Rule 6A-14.054). Students who do not resolve their outstanding account balance at the college will result in the referral of outstanding balances to a collection agency. Following turnover to the collection agency, the student can only pay through the collection agency and additional fees will be assessed at that time.

Student financial responsibilities include library fines and obligations, parking fines, returned checks, student loan repayment, and return of borrowed college equipment. Unless all fees and financial responsibilities have been satisfied, a student may not register for a subsequent semester and, in some cases, the student may be prohibited from attending classes in the current semester. Additionally, official student transcripts will not be released until all obligations have been satisfied.

The student fees are in effect at the date of printing of this catalog. They are subject to change by action of the Florida Legislature and the College District Board of Trustees. Each semester the college will have available, prior to registration, a listing of current student fees.

Returned checks must be paid within 14 days from receipt of the notice. The full amount of the returned check plus a service charge dependent upon the face amount of the check will be due. If the returned check is not paid within the time specified, it will be given to the State Attorney's Office for collection.

Florida Statute 1009.28 requires students enrolled in the same developmental class within a skill area more than two times shall pay fees at 100 percent of the full cost of instruction. Students who withdraw or fail a class due to extenuating circumstances may be granted an exception only once for each class, provided approval is granted by procedures established by the president or his designee and the student has demonstrated reasonable effort to succeed.

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General College Fees

<table>
<thead>
<tr>
<th>Advanced and Professional, Postsecondary Vocational and College Preparatory</th>
<th>Resident</th>
<th>Nonresident</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tuition</td>
<td>$79.60</td>
<td>$79.60</td>
</tr>
<tr>
<td>Out-of-State</td>
<td>N/A</td>
<td>238.80</td>
</tr>
<tr>
<td>Financial Aid</td>
<td>3.98</td>
<td>15.92</td>
</tr>
<tr>
<td>Technology</td>
<td>3.98</td>
<td>15.92</td>
</tr>
<tr>
<td>Student Activity</td>
<td>7.96</td>
<td>7.96</td>
</tr>
<tr>
<td>Capital Improvement</td>
<td>9.58</td>
<td>63.68</td>
</tr>
<tr>
<td><strong>Total per credit hour</strong></td>
<td><strong>$105.10</strong></td>
<td><strong>$421.88</strong></td>
</tr>
</tbody>
</table>

*Note: To calculate fees for programs made up of vocational clock hours, divide the clock hours by 30 to determine the number of vocational credit hours and multiply the credit hours times the appropriate Total Per Vocational Credit Hour charge. Example, a 60 vocational clock hour course divided by 30 = 2 vocational credits multiplied by the Total Per Vocational Credit Hour for Florida residents of $91.84 = $163.68 as the charge for the course.*

<table>
<thead>
<tr>
<th>Postsecondary Adult Vocational</th>
<th>Resident</th>
<th>Nonresident</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tuition</td>
<td>$71.60</td>
<td>$71.60</td>
</tr>
<tr>
<td>Out-of-State</td>
<td>N/A</td>
<td>214.80</td>
</tr>
<tr>
<td>Financial Aid</td>
<td>7.16</td>
<td>28.64</td>
</tr>
<tr>
<td>Technology</td>
<td>3.58</td>
<td>14.32</td>
</tr>
<tr>
<td>Capital Improvement</td>
<td>3.58</td>
<td>14.32</td>
</tr>
<tr>
<td><strong>Total per vocational credit hour</strong></td>
<td><strong>$85.92</strong></td>
<td><strong>$343.68</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Baccalaureate Degree (Junior and Senior Level Courses)</th>
<th>Resident</th>
<th>Nonresident</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tuition</td>
<td>$91.79</td>
<td>$91.79</td>
</tr>
<tr>
<td>Out-of-State</td>
<td>N/A</td>
<td>340.20</td>
</tr>
<tr>
<td>Financial Aid</td>
<td>4.59</td>
<td>21.60</td>
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<tr>
<td>Technology</td>
<td>4.59</td>
<td>21.60</td>
</tr>
<tr>
<td>Student Activity</td>
<td>9.18</td>
<td>9.18</td>
</tr>
<tr>
<td>Capital Improvement</td>
<td>10.74</td>
<td>86.40</td>
</tr>
<tr>
<td><strong>Total per credit hour</strong></td>
<td><strong>$120.89</strong></td>
<td><strong>$570.77</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Adult Education and Vocational Preparatory</th>
<th>Resident</th>
<th>Nonresident</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tuition</td>
<td>$30.00 / term</td>
<td>$30.00 / term</td>
</tr>
<tr>
<td>Out-of-State</td>
<td>N/A</td>
<td>90.00 / term</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>$30.00 / term</strong></td>
<td><strong>$120.00 / term</strong></td>
</tr>
</tbody>
</table>

The president is authorized to approve fees for continuing workforce education programs, recreation and lifelong learning programs on a course-by-course basis. For continuing workforce education courses, the president will establish fees that equal at least 50 percent of the total annual cost of the supplemental vocational program. The fees for recreation and lifelong
learning programs will generate at least the direct cost of instruction. The president will annually report to the District Board of Trustees the amount of fees collected and the accumulated cost of the respective programs.

Special Fees and Charges

**General Fees**

<table>
<thead>
<tr>
<th>Service</th>
<th>Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>Admission Application Fee</td>
<td>$30.00</td>
</tr>
<tr>
<td>International Education Application Fee</td>
<td>$30.00</td>
</tr>
<tr>
<td>Transcript Fee (each request)</td>
<td>$3.00</td>
</tr>
<tr>
<td>Credit by Examination/Experiential Learning (departmental exam)</td>
<td>$100.00</td>
</tr>
<tr>
<td>Parking Decal (additional and replacement)</td>
<td>$5.00</td>
</tr>
<tr>
<td>ID Card Replacement</td>
<td>$5.00</td>
</tr>
<tr>
<td>Pre-Admission Background Check Health Care, Law Enforcement/Corrections, Education</td>
<td>$55.00^1</td>
</tr>
<tr>
<td>Processing Fee for Florida State Fire College Course Evaluations</td>
<td>$100.00</td>
</tr>
<tr>
<td>Duplicate Diploma</td>
<td>$25.00</td>
</tr>
<tr>
<td>Community Library Borrower’s ID Card</td>
<td>$10.00</td>
</tr>
</tbody>
</table>

^1 Payable before registration; subject to change without notice.

**Fines and Penalties**

<table>
<thead>
<tr>
<th>Service</th>
<th>Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stop Payment on CF Check</td>
<td>$25.00</td>
</tr>
<tr>
<td>Stop Payment Individual Check</td>
<td>$25.00</td>
</tr>
<tr>
<td>Non-Sufficient Funds Checks as per State Attorney:</td>
<td></td>
</tr>
<tr>
<td>Amount of Check $0.01 to $50.00</td>
<td>$25.00</td>
</tr>
<tr>
<td>Amount of Check $50.01 to $300.00</td>
<td>$30.00</td>
</tr>
<tr>
<td>Amount of Check over $300 - 5 percent of face value or $40.00, whichever is greater</td>
<td>$40.00</td>
</tr>
<tr>
<td>Credit Card Charge Back</td>
<td>$20.00</td>
</tr>
<tr>
<td>Higher One Replacement Card (Active)</td>
<td>$21.00</td>
</tr>
<tr>
<td>Higher One Replacement Card (Inactive)</td>
<td>$10.00</td>
</tr>
<tr>
<td>Parking and Other Citations</td>
<td>$15.00</td>
</tr>
<tr>
<td>Handicap Parking Citation</td>
<td>$50.00</td>
</tr>
<tr>
<td>Vehicle Immobilization Device (boot)</td>
<td>$50.00</td>
</tr>
<tr>
<td>Towing (charges determined by tow truck operator)</td>
<td></td>
</tr>
<tr>
<td>Lost/Damaged Library Materials Replacement Costs</td>
<td></td>
</tr>
<tr>
<td>Appleton Museum Trip Cancellations (if cancelled within 10 business days of trip)</td>
<td>$50.00</td>
</tr>
</tbody>
</table>

**Instructional Fees and Materials Supplies (estimated)**

<table>
<thead>
<tr>
<th>Service</th>
<th>Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>Law Enforcement Students</td>
<td>Varied</td>
</tr>
<tr>
<td>Corrections Students</td>
<td>Varied</td>
</tr>
<tr>
<td>Occupational Materials and Supplies (sold at bookstore except for Health Sciences skills kits)</td>
<td>Price Varies</td>
</tr>
<tr>
<td>Tools and Tool Box for Automotive Programs (varies according to quality, etc.) (estimated)</td>
<td>Minimum $850.00</td>
</tr>
<tr>
<td>Cosmetology Equipment Kit</td>
<td>Varied</td>
</tr>
<tr>
<td>Nursing Skills, Surgical Technology, Physical Therapist Assistant, Nursing Pins</td>
<td>Varied</td>
</tr>
</tbody>
</table>

**Learning Support Center**

<table>
<thead>
<tr>
<th>Service</th>
<th>Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>CF Students</td>
<td>No charge</td>
</tr>
<tr>
<td>University Center</td>
<td>No charge</td>
</tr>
<tr>
<td>Vocational Preparatory Students</td>
<td>No charge</td>
</tr>
<tr>
<td>Adult Education Students, GED</td>
<td>No charge</td>
</tr>
</tbody>
</table>

**CF Learning Lab School Customer Service Charges (per week, per child)**

*Effective fiscal year 2012-2013*

<table>
<thead>
<tr>
<th>Service</th>
<th>Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>Child Care Registration Fee</td>
<td>$100.00 Annually^1^2</td>
</tr>
<tr>
<td>Child Care Bill Late Fee (assessed after due date)</td>
<td>$20.00 per week or portion thereof^2</td>
</tr>
<tr>
<td>Pre-Approved Child Care Drop-In Daily Rate</td>
<td>$30.00^3^4</td>
</tr>
<tr>
<td>Late Pick-up Fee (assessed after due date)</td>
<td>$10.00 per 10-minute increment or portion thereof</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Age Group</th>
<th>Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>Toddler (under 2) – Full-Time Student or CF Employee</td>
<td>$120.00/Week^2</td>
</tr>
<tr>
<td>Toddler (under 2) – All Others</td>
<td>$130.00/Week^2</td>
</tr>
<tr>
<td>2-Year-Old Child – Full-Time Student or CF Employee</td>
<td>$115.00/Week^2</td>
</tr>
<tr>
<td>2-Year-Old Child – All Others</td>
<td>$125.00/Week^2</td>
</tr>
<tr>
<td>3-Year-Old Child – Full-Time Student or CF Employee</td>
<td>$105.00/Week^2</td>
</tr>
<tr>
<td>3-Year-Old Child – All Others</td>
<td>$115.00/Week^2</td>
</tr>
<tr>
<td>4-Year-Old Child – Full-Time Student or CF Employee</td>
<td>$100.00/Week^2</td>
</tr>
<tr>
<td>4-Year-Old Child – All Others</td>
<td>$110.00/Week^2</td>
</tr>
<tr>
<td>5-Year-Old Child – Full-Time Student or CF Employee</td>
<td>$100.00/Week^2</td>
</tr>
<tr>
<td>5-Year-Old Child – All Others</td>
<td>$110.00/Week^2</td>
</tr>
</tbody>
</table>

**Patrons enrolled in Voluntary Pre-Kindergarten (VPK) will be assessed for extended care, if utilized.**

<table>
<thead>
<tr>
<th>Service</th>
<th>Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>Child in VPK Program - Full-Time Student or CF Employee</td>
<td>Varies based on state rate^2</td>
</tr>
<tr>
<td>Child in VPK Program - All others</td>
<td>Varies based on state rate^2</td>
</tr>
</tbody>
</table>
Withdrawal Without Notice Fee $200.00²

Note: This fee is assessed after two notices.
¹Payable before registration; subject to change without notice.
²Subject to change without notice.
³Pre-approved on individual basis if space is available; subject to change without notice.
⁴Rate for not notifying the child care center of child's withdrawal. (Notification must be submitted in writing at least seven days prior to withdrawal.)

Appleton Museum of Art Membership and Admission Charges - Effective July 1, 2012-June 30, 2013

### Category | Charge/Fee
--- | ---

#### General Membership
Student/Educator/CF Alumni with membership card
- $15.00
Individual Senior — 55 and over
- $25.00
Individual
- $30.00
The Studio
- $35.00
Dual Senior — 55 and over
- $40.00
Dual/Family — two adults and any children 18 and under
- $50.00

#### Directors Circle Memberships
Friend
- $100.00
Associate
- $250.00
Fellow
- $500.00
Colleague
- $1,000.00
Partner
- $2,500.00

#### CF Faculty/Staff/Retirees Memberships (includes part-time and adjuncts)
Individual
- No charge
Dual Family — two adults and any children 18 and under
- No charge

### Category | Charge/Fee
--- | ---

#### General Admission
Members — General, Directors Circle and Complimentary
- No charge
Adult
- $6.00
Children — age 0-9
- No charge
Youth — age 10-18
- $3.00
Student — CF with ID
- No charge
Member of CF Alumni Association with card
- No charge
Student-University — Students 18 and over with ID
- $4.00
Educator
- $4.00
Senior — 55 and over
- $4.00
AAA Member Discount
- $4.00
Active Military and Immediate Family
- No charge

Friends and Family (two adults and any children)
- $12.00
Reciprocal Members
- No charge

#### Group Tour Admission (15 or more persons)
- Adult
- $5.00
- Senior — 55 and over
- $3.00
- Educator
- $3.00
- Student-University — Students 18 and over with ID
- $3.00
- Students - K-12 (Marion, Citrus and Levy counties)
- No charge
- Bus Driver for Group
- No charge
- Chaperone (1 per 10 Students)
- No charge
- Members
- No charge

### Price Guide for Photo Reproduction Requests

<table>
<thead>
<tr>
<th>Photograph from existing negative/print/slide*</th>
<th>B/W</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 by 5 inches</td>
<td>$8.00/$10.50</td>
<td>$12.00/$17.00</td>
</tr>
<tr>
<td>5 by 7 inches</td>
<td>$10.00/$12.50</td>
<td>$16.00/$21.00</td>
</tr>
<tr>
<td>8 by 10 inches</td>
<td>$12.50/$15.00</td>
<td>$20.00/$25.00</td>
</tr>
</tbody>
</table>

Slides (existing) $3.50 per slide
New photography $75.00/$100.00 (nonprofit/profit)
Color transparencies (three month rental**) $75.00/$100.00

### OTHER FEES

<table>
<thead>
<tr>
<th>Book Covers</th>
<th>Scholar/Nonprofit</th>
<th>Profit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color</td>
<td>$150.00</td>
<td>$250.00</td>
</tr>
<tr>
<td>B/W</td>
<td>$75.00</td>
<td>$100.00</td>
</tr>
<tr>
<td>Book Inside</td>
<td>Color</td>
<td>$65.00</td>
</tr>
<tr>
<td>B/W</td>
<td>$30.00</td>
<td>$50.00</td>
</tr>
<tr>
<td>Mag./Periodical</td>
<td>Color</td>
<td>$160.00</td>
</tr>
<tr>
<td>Cover</td>
<td>B/W</td>
<td>$100.00</td>
</tr>
<tr>
<td>Mag./Periodical</td>
<td>Color</td>
<td>$100.00</td>
</tr>
<tr>
<td>Cover</td>
<td>B/W</td>
<td>$30.00</td>
</tr>
<tr>
<td>Advertising</td>
<td>Color</td>
<td>$185.00</td>
</tr>
<tr>
<td>B/W</td>
<td>$165.00</td>
<td>$205.00</td>
</tr>
<tr>
<td>CD/Tape Covers</td>
<td>Color</td>
<td>$250.00</td>
</tr>
<tr>
<td>B/W</td>
<td>$150.00</td>
<td></td>
</tr>
<tr>
<td>CD-Rom/WWW</td>
<td>Color</td>
<td>$150.00</td>
</tr>
<tr>
<td>B/W</td>
<td>$100.00</td>
<td>$200.00</td>
</tr>
<tr>
<td>Film Video</td>
<td>Color</td>
<td>$65.00</td>
</tr>
<tr>
<td>(per image)</td>
<td>B/W</td>
<td>$35.00</td>
</tr>
<tr>
<td>Newspaper</td>
<td>Color</td>
<td>$50.00</td>
</tr>
<tr>
<td>B/W</td>
<td>$25.00</td>
<td>$50.00</td>
</tr>
</tbody>
</table>

Shipping/handling fees will also be assessed as necessary.
*Prices are for nonprofit, scholars and students/profit.
**Transparency rentals are for a period of three months, but may be extended through prior arrangements with the Appleton Museum of Art. A late fee of $25.00 per item, per month or any portion thereof.
Financial Information

will be charged for each overdue transparency. A replacement fee of $200.00 will be charged for each lost or damaged transparency.

**Visual Artists' Society**
Annual Membership (Jan. 1-Dec. 31) $40.00
Student Membership (with current CF ID) No charge

**Senior Institute Membership Fees**
Annual Membership Fee $125.00
Six-Month Membership Fee (winter/spring or summer/fall) $70.00

**Other Fees Related to Continuing Education/Corporate Training Classes**
CPR Card (after satisfactory completion of course) No charge
CPR card replacement $5.00
Certificates (for any courses that certificates are issued) No charge
Certificate replacement $7.00

**Cosmetology Customer Services Charges Effective July 1, 2012-June 30, 2013**

<table>
<thead>
<tr>
<th>Service Description</th>
<th>Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Basic Services</strong> (includes shampoo and conditioner)</td>
<td></td>
</tr>
<tr>
<td>Basic Hair Cut (Women or Men)</td>
<td>$5.00</td>
</tr>
<tr>
<td>Edge Cut</td>
<td>$2.00</td>
</tr>
<tr>
<td>Scalp Treatment</td>
<td>$5.00</td>
</tr>
<tr>
<td>Deep Conditioner</td>
<td>$5.00</td>
</tr>
<tr>
<td>Dandruff Shampoo</td>
<td>$2.00</td>
</tr>
<tr>
<td>Basic Roller Set with Comb Out</td>
<td>$5.00</td>
</tr>
<tr>
<td>Basic Blow-dry without Curling Iron</td>
<td>$5.00</td>
</tr>
<tr>
<td>Basic Blow-dry with Curling Iron</td>
<td>$8.00</td>
</tr>
<tr>
<td>Wrap</td>
<td>$15.00</td>
</tr>
<tr>
<td>Additional Fee for Long Hair With Any Service</td>
<td>$5.00</td>
</tr>
<tr>
<td><strong>Chemical Services</strong> (includes cut, shampoo and conditioner)</td>
<td></td>
</tr>
<tr>
<td>Virgin Relaxer (one application)</td>
<td>$30.00 and up</td>
</tr>
<tr>
<td>Relaxer Retouch</td>
<td>$25.00 and up</td>
</tr>
<tr>
<td>Reconstruction Curl</td>
<td>$37.00 and up</td>
</tr>
<tr>
<td>Permanent Waves (alkaline)</td>
<td>$27.00 and up</td>
</tr>
<tr>
<td>Permanent Waves (tinted hair)</td>
<td>$29.00 and up</td>
</tr>
<tr>
<td>Permanent Waves (acid)</td>
<td>$35.00 and up</td>
</tr>
<tr>
<td>Spiral Permanent Wave Wrap</td>
<td>$45.00 and up</td>
</tr>
<tr>
<td>Additional fee for extra solution</td>
<td>$10.00</td>
</tr>
<tr>
<td><strong>Color Services</strong> (includes shampoo, conditioner and basic style)</td>
<td></td>
</tr>
<tr>
<td>Semi/Demi Permanent</td>
<td>$25.00 and up</td>
</tr>
<tr>
<td>Bleach/Toner Touch-up</td>
<td>$35.00 and up</td>
</tr>
<tr>
<td>Virgin Color</td>
<td>$35.00 and up</td>
</tr>
<tr>
<td>Virgin Bleach, Toner or Tint Back</td>
<td>$45.00 and up</td>
</tr>
<tr>
<td>Tint Retouch</td>
<td>$27.00 and up</td>
</tr>
<tr>
<td>Frosting Cap</td>
<td>$33.00 and up</td>
</tr>
<tr>
<td>Full Foil Technique</td>
<td>$55.00 and up</td>
</tr>
<tr>
<td><strong>Partial Foil Technique</strong></td>
<td>$35.00</td>
</tr>
<tr>
<td><strong>Additional Fee For Extra Supplies</strong></td>
<td>$10.00</td>
</tr>
<tr>
<td><strong>Manicure and Facial Services</strong></td>
<td></td>
</tr>
<tr>
<td>Basic Manicure</td>
<td>$5.00</td>
</tr>
<tr>
<td>Plain Facial</td>
<td>$15.00</td>
</tr>
<tr>
<td>Men’s Facial Shave</td>
<td>$10.00</td>
</tr>
<tr>
<td>Waxing of Eyebrow or Lip or Chin (each)</td>
<td>$5.00</td>
</tr>
<tr>
<td>Eyebrow Arch Tweeze</td>
<td>$5.00</td>
</tr>
<tr>
<td><strong>Specialty Services</strong></td>
<td></td>
</tr>
<tr>
<td>Updos</td>
<td>$15.00</td>
</tr>
<tr>
<td>Flat Iron (any length)</td>
<td>$15.00</td>
</tr>
<tr>
<td>Finger Waves</td>
<td>$15.00</td>
</tr>
<tr>
<td>Curls with Twist on Scalp</td>
<td>$25.00</td>
</tr>
<tr>
<td><strong>Braids and Locks</strong> (includes shampoo and conditioner)</td>
<td></td>
</tr>
<tr>
<td>French Braid (1 or 2)</td>
<td>$10.00</td>
</tr>
<tr>
<td>Scalp Braids (Short Hair)</td>
<td>$25.00</td>
</tr>
<tr>
<td>Scalp Braids (Long Hair)</td>
<td>$30.00</td>
</tr>
<tr>
<td>Start Locks or Soft Twists</td>
<td>$40.00</td>
</tr>
<tr>
<td>Locks - Touch-up within 2 weeks</td>
<td>$25.00</td>
</tr>
<tr>
<td>Locks - Touch-up within 3-5 weeks ($25.00 plus $40.00 surcharge)</td>
<td>$65.00</td>
</tr>
<tr>
<td>Locks - Touch-up within 6-8 weeks ($25.00 plus $45.00 surcharge)</td>
<td>$70.00</td>
</tr>
<tr>
<td>Press and curl</td>
<td>$15.00</td>
</tr>
<tr>
<td><strong>Assessment and Testing Fees</strong></td>
<td></td>
</tr>
<tr>
<td>A+ Essentials Certification</td>
<td>$169.00</td>
</tr>
<tr>
<td>ACT, American College Test</td>
<td>$26.00 Paid to ACT</td>
</tr>
<tr>
<td>ASE, Automotive Service Excellence Certification Exam</td>
<td>$84.00</td>
</tr>
<tr>
<td>AWS, American Welding Society Certification Exam</td>
<td>$75.00</td>
</tr>
<tr>
<td>BERS, Behavioral and Emotional Rating Scale</td>
<td>$10.00</td>
</tr>
<tr>
<td>BEST, Barriers To Success Employment Inventory Student</td>
<td>No charge</td>
</tr>
<tr>
<td><strong>Others</strong></td>
<td>$5.00</td>
</tr>
<tr>
<td>BETA, Test of Non-Verbal Intellectual Ability</td>
<td>$10.00</td>
</tr>
<tr>
<td>CAP, Certified Administrative Professional Exam</td>
<td>$385.00</td>
</tr>
<tr>
<td>CAS, College Adjustment Scale</td>
<td>$10.00</td>
</tr>
<tr>
<td>CAT CLAST, Computer Adaptive Testing (re-testing) - Students</td>
<td>No charge</td>
</tr>
<tr>
<td>CBRS, Cognitive Behavior Rating Scale</td>
<td>$10.00</td>
</tr>
<tr>
<td>CDS, Career Decision Scale Student</td>
<td>No charge</td>
</tr>
<tr>
<td><strong>Others</strong></td>
<td>$5.00</td>
</tr>
<tr>
<td>CDS, Cognitive Distortion Scale</td>
<td>$10.00</td>
</tr>
<tr>
<td>CEI, The Career Exploration Inventory Student</td>
<td>No charge</td>
</tr>
<tr>
<td><strong>Others</strong></td>
<td>$5.00</td>
</tr>
<tr>
<td>Test</td>
<td>Fee</td>
</tr>
<tr>
<td>----------------------------------------------------------------------</td>
<td>----------------------------</td>
</tr>
<tr>
<td>CELT, Comprehensive English Language Test for Learners of English</td>
<td>$10.00</td>
</tr>
<tr>
<td>Choices</td>
<td></td>
</tr>
<tr>
<td>Students</td>
<td>No charge</td>
</tr>
<tr>
<td>Others</td>
<td>No charge</td>
</tr>
<tr>
<td>CLA, Certified Legal Assistant Certification Exam</td>
<td>$250.00</td>
</tr>
<tr>
<td>CLEP, College Level Examination Program</td>
<td>$77.00</td>
</tr>
<tr>
<td>(non-refundable CF fee per test in addition to CLEP fees)</td>
<td>$15.00</td>
</tr>
<tr>
<td>CPS, Carlson Psychological Survey</td>
<td>$12.00</td>
</tr>
<tr>
<td>CPT, Computerized Placement or Companion Test</td>
<td></td>
</tr>
<tr>
<td>First time student</td>
<td>$10.00</td>
</tr>
<tr>
<td>Retakes at CF or at area high schools</td>
<td>$5.00</td>
</tr>
<tr>
<td>CCAI, Cross Cultural Adaptability Inventory</td>
<td>$12.00</td>
</tr>
<tr>
<td>CS, CareerScope (Assessment)</td>
<td></td>
</tr>
<tr>
<td>Students</td>
<td>No charge</td>
</tr>
<tr>
<td>Others</td>
<td>$41.00</td>
</tr>
<tr>
<td>CSSI, Customer Service Skills Inventory</td>
<td>$10.00</td>
</tr>
<tr>
<td>CFI, Career Thoughts Inventory</td>
<td></td>
</tr>
<tr>
<td>Students</td>
<td>No charge</td>
</tr>
<tr>
<td>Others</td>
<td>$6.00</td>
</tr>
<tr>
<td>DANTES, Defense Activity for Nontraditional Education Support</td>
<td>$80.00 to</td>
</tr>
<tr>
<td>DS, DANTES</td>
<td>CF</td>
</tr>
<tr>
<td>(nonrefundable CF fee per test in addition to DANTES fees)</td>
<td>$25.00</td>
</tr>
<tr>
<td>DMI, Defense Mechanism Inventory</td>
<td>$10.00</td>
</tr>
<tr>
<td>EAPI, Employee Assistance Program Inventory</td>
<td>$15.00</td>
</tr>
<tr>
<td>EL, Electest</td>
<td>Varies, depending on occupation for which test is given</td>
</tr>
<tr>
<td>ELT, Electronest</td>
<td>Varies, depending on occupation for which test is given</td>
</tr>
<tr>
<td>F-BAT, Florida Basic Abilities Test</td>
<td>$45.00</td>
</tr>
<tr>
<td>FIT, Flanagan Industrial Tests</td>
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### Laboratory Fees

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Special Short Courses, Seminars, Institutes and Workshops

Fees for these activities are charged to cover direct costs, which vary, depending on individual estimates and are authorized by the college president.

Notes:
1. No laboratory fees will be refunded after the drop/add period.
2. No refunds will be issued after 20 days past the close of the semester.

Total fees collected annually must at least equal the full cost of providing such programs.

Accident Insurance

Students enrolled in Postsecondary Adult Vocational certificate programs may be requested to carry accident and/or liability insurance. The college does not provide insurance except for students accepted into the Health Sciences programs whose annual premium for coverage is included as a fee for certain clinical courses.

Fee Waivers and Exemptions

The president or the president’s designee is authorized to waive tuition and fees in accordance with the Florida Statutes and Florida Board of Education Rules.

To the extent required by law, registration fees (defined to include all fees normally collected as part of the registration process) will not be assessed for those categories of students specifically exempted by Florida Statutes and Florida Board of Education Rules, including students enrolled under dual enrollment and early admission agreements between the college and the school districts in its service area.

Third-Party Authorization/Florida Prepaid Program

If all or part of registration fees are being paid by an external agency which requires billing (employee, Florida Prepaid Program, Vocational Rehabilitation, One-Stop, a government agency or out-of-state 529 plan, etc.), the student is responsible for communicating with their agency representative to determine if the agency will notify the college of their intent to pay or if it will be the student’s responsibility for notification. When the student is responsible for payment notification, a current form of authorization (letter, card, voucher, purchase order, etc.) which specifies the semester and indicates a dollar amount (for fees and/or books) will be supplied to the student by their sponsoring agency. The student must present this authorization to a campus cashier prior to the fee due date indicated on their registration form. If the current authorization is not presented, the student’s account will not be credited properly and the student may be dropped from all courses, and/or responsible to pay the fees. The student is responsible for payment of any balance remaining after 60 days from the start date of the semester.

Florida Prepaid Tuition Plan

Students who participate in the Florida Prepaid Tuition Plan must present a valid Florida Prepaid Identification Card and a photo ID to a campus cashier each semester they register for classes as well as whenever they make a change during the add/drop period of each semester. The card must apply to the appropriate academic year and be signed by the student. Students participating in this program are responsible for any amounts not covered by their plan. Any remaining balance must be paid by the fee due date on the student’s schedule.

Florida State Employee Fee Waivers

Per Section 1009.265, Florida Statutes:

State employees are defined as full-time employees of the executive, legislative and judicial branches of state government, except for persons employed by a state university. State employees can receive tuition and fee waivers for up to six credit hours per semester on a “space-available” basis. At CF, space available is defined as anytime during the add period. State employees must complete an Application for State Employee Fee Waiver. State Employee Fee Waivers are not applicable to noncredit classes. Employment verification will be obtained by the Office of Financial Aid through the Bureau of State Payrolls website.

Guidelines

- Tuition waiver verification will be confirmed on the state database through the State Payrolls website.
- State employees are responsible for paying admission application fees.
- State employees must complete all admission requirements, including the Application for Admission, placement testing and transcript, etc.
- State employees must register in person during the add period each semester. Registration is for classes on a space available basis only and cannot occur prior to the add period (no deferments, no reimbursements).
- Tuition will be waived for a maximum of six credits (lab fees are not covered). Waiver is for college credit courses including Postsecondary Adult Vocational courses (vocational credit); it is not applicable to noncredit (continuing education) courses or adult education courses. Courses to which the fee waiver is to be applied must be indicated on the waiver form.
- Courses must be taken for a grade; they may not be taken as audit.
- Tuition waiver verification must be assessed each semester. If verification is not confirmed, student will be responsible for tuition and fees. Fees will be assessed at the resident rate.
- Tuition waiver is for the current semester of registration only. It is not retroactive.

Procedure

1. State employee must complete all admission requirements prior to registering for class(es).
2. State employee must complete the Application for State Employee Fee Waiver and submit the form to the Office of Financial Aid. The Office of Financial Aid will file the original letter and forward a copy to the Office of Admissions and Records.
3. Once the employee is admitted to CF, or if the employee is a current student, he/she may register for classes on a space available basis during the add period.
4. The Office of Financial Aid will post the fee waiver.
5. The state employee must pay any fees not covered by the fee waiver at the cashier's window.

**Military Honoree Tuition Waiver**

Per Florida Statute 1009.26, the college shall waive undergraduate tuition (lab fees not included) for each recipient of a Purple Heart or another combat decoration superior in precedence who:

a. is enrolled as a full-time or part-time student in an undergraduate program that terminates in a degree or certificate

b. is currently, and was at the time of the military action that resulted in the awarding of the Purple Heart or other combat decoration superior in precedence, a resident of Florida

c. submits to the college the DD-214 form issued at the time of separation from service as documentation that the student has received a Purple Heart or another combat decoration superior in precedence.

Such a waiver for a Purple Heart recipient or recipient of another combat decoration superior in precedence shall be applicable for 110 percent of the number of required credit hours of the degree or certificate program in which the student is enrolled.

The student must complete CF's Waiver for Recipients of Purple Heart of Superior Combat Decorations form located in the financial aid forms section of CF's website.

**Refund Policy**

For credit and vocational workforce education classes, petitions for refunds and withdrawal from the college are available in the offices of Admissions and Records, Enrollment Management, the Office of the Vice President for Student Affairs, and the Citrus Campus Enrollment Management Office. It is the student's responsibility to initiate official withdrawal, and the official date of withdrawal will be determined by the date the completed form is returned to the Office of the Vice President for Student Affairs. Regardless of when the refund is applied for, no refund will be processed before 30 days have elapsed from the date of the refund form, or two weeks after the end of the add/drop date, whichever is the greater time period.

**Credit, vocational workforce and audit students** who officially withdraw and complete a proper refund petition through the Office of the Vice President for Student Affairs will be considered for refunds according to the following schedule:

**100 percent:** When official drop notification is received and approved prior to the end of the published drop/add period.

**Up to 100 percent:** In keeping with Florida Administrative Rule 6A-14.0541, CF will consider a petition for refund of fees for a course after the official drop period when the student withdraws due to circumstances determined by the college to be exceptional and beyond the control of the student. These may include illness of the student of such severity or duration, as confirmed in writing by a physician, to preclude completion of the course(s); death of the student or the student's parent, spouse, child or sibling; involuntary call to active military duty; a situation in which the college is in error; a change of a course or section(s) initiated by the college because of cancellation, time or location; other circumstances that may be approved upon timely filing with complete documentation with the division of Student Affairs.

There are three semesters in the academic year: fall, spring and summer. The college will consider a student’s petition through the end of the semester following the semester in which the student withdrew because of extraordinary circumstances. After the end of the semester following withdrawal, no petition will be accepted without the approval of the vice president for Student Affairs.

You will receive a debit card from Higher One in the mail within two weeks after registering for the first time. Higher One is the authorized agent for the college to issue refunds and disbursements. RETAIN THIS CARD. Do not throw this card and the information enclosed with it away. This information must be used to select a method to receive any financial aid disbursements or refunds from the college. Activating the card and selecting a preference immediately is advised. This card is also required if you decide to change your disbursement preference. Replacement cards will cost the student $21 each.

Activation of the card takes only a few minutes and can be done online at www.CFOneCard.com. Activation options include:

- Debit card disbursement. Funds are available within hours.
- Direct deposit to a student’s account. This option requires the student to complete an Automatic Clearing House, ACH, form and return it to Higher One before any disbursements will be processed. Funds are available within 2–3 business days.

For noncredit classroom continuing education and corporate training classes, refunds for "live classroom" courses will be given when a student requests to drop a course at least three business days before the course begins.

For noncredit online continuing education and corporate training classes, refunds will be granted when a student requests to drop the course prior to accessing the online course or receiving and using associated course materials. Students may request a refund for all or a portion of the course after being granted access to the classes only if there are technical difficulties with the delivery of a course that are not resolved in a reasonable period of time or a refund extension period is published either in the CF Institute noncredit schedule or online.
Campus based programs will be refunded using pro-rated formula to comply with federal regulations defined in Reauthorization of the Higher Education Act.

Withdrawals and Repayment of Title IV Funds

Federal regulations require institutions to calculate the amount of federal financial aid a student earned if a student withdraws from all of their coursework in any given semester/term. In addition, at the end of a semester/term, if a student has not successfully completed any coursework, the institution must confirm that the student did attend the courses for which the student received financial aid.

When a student who receives a net disbursement of Title IV funds ceases attendance prior to the 60 percent point in the payment period, CF will determine whether the student must repay a portion of the net disbursement. A statutory prorated schedule will be used to determine the percentage of Title IV funds the student has earned at the time of withdrawal. Federal Work Study funds are excluded from the calculation.

If a student withdraws after completing more than 60 percent of the semester/term, it is assumed that the student’s educational living expenses up to the time of withdrawal exceeded the amount of the funds disbursed and the student does not owe a repayment. However, if the disbursement was greater than the student’s expenses up to the withdrawal date, the student must repay the excess amount or a portion of the excess amount as applicable.

The percentage formula is: total number of calendar days completed in the payment period divided by the total number of calendar days in the payment period equals the percentage of Title IV funds earned.

The institution must return the lesser of the amount of Title IV funds that the student does not earn or the amount of institutional charges (tuition and fees) that the student incurred for the payment period multiplied by the percentage of funds that was not earned.

The student (or parent, if a Federal Direct PLUS loan) must return or repay the remaining unearned Title IV program grant or loan funds. The student’s grant repayment is reduced by half when he or she, rather than the institution, must return grant funds.

CF will notify the student, in writing, of the amount owed, procedure for repayment and consequences of nonpayment within the allotted time frame.

Order of return of Title IV funds. Unearned funds returned by the school or student are credited to outstanding Title IV loan balances for the student or made on the student’s behalf. Funds must be credited to outstanding balances in the following order:

1. Unsubsidized Federal Direct Loan
2. Subsidized Federal Direct Loan
3. Federal Direct PLUS Loan
4. Federal Pell Grant
5. Federal Supplemental Educational Opportunity Grant
6. Academic Competitiveness Grant
7. Federal Perkins Loan
8. Other Title IV assistance

Remaining funds. If excess funds remain after repaying all outstanding loan amounts, then the remaining amount is credited to grant programs in the following order:

Federal Pell Grant
Academic Competitiveness Grant
Federal Supplemental Educational Opportunity Grant
Other Title IV assistance

Detailed information on repayments is available in the Office of Financial Aid.

These policies are subject to change by action of the United States Department of Education.

Student Financial Aid

Purpose of Financial Aid

The primary purpose of financial aid is to provide assistance to students who have a demonstrated financial need as determined by an approved need-analysis system, or who show academic or special talent. Awards may come from any combination of grants, scholarships, loans or part-time employment. The financial aid awarded to a student may be from federal, state, institutional or local funds. Students interested in applying for financial assistance should complete a Free Application for Federal Student Aid (FAFSA) online at www.fafsa.ed.gov. To be given full consideration for all aid programs, applications should be completed online prior to May 15 of each calendar year for the academic year that begins the following August. Student consumer information and other institutional aid applications are available in the Office of Financial Aid and the Enrollment Services Center at any of our campuses or centers. Questions concerning financial aid and scholarships should be addressed to the Office of Financial Aid.

General Eligibility Requirements

All financial aid is dependent upon the availability of federal, state, local and institutional resources. To be eligible for financial aid, a student must:

1. Be accepted as a degree-seeking student in an A.A. or A.S. degree program, or
2. Be accepted as a certificate-seeking student in an eligible College Credit Certificate* or Postsecondary Adult Vocational certificate** program.
3. Be making satisfactory academic progress for financial aid purposes.
5. Enroll at least half-time (six credit hours) for most aid programs.
6. Not be in default on a prior student loan.
7. Not owe a repayment or overpayment of a federal grant.
8. Not have an existing financial obligation to CF.
9. Be registered for Selective Service, if required.
10. Have a standard high school diploma or GED. If you are enrolling in higher education for the first time on or after July 1, 2012, in order to be eligible for federal student aid, you must have either a high school diploma or a recognized equivalent (such as a General Educational Development certificate, GED, or have been home schooled). You will no longer have the option of becoming eligible for federal student aid by passing an
approved test or completing at least six credit hours or 225 clock hours of postsecondary education.
11. As a college transfer student, upon admission to the college provide an official transcript from each previously attended institution. These are submitted to and evaluated by CF.
12. Not have been convicted for sale or possession of illegal drugs while receiving Title IV aid.

*Eligible College Credit Certificate Programs at CF. Please visit our website at www.CF.edu for an up-to-date list of eligible programs:
- Accounting Technology Management
- Business Administration — Business Management
- Business Administration — Finance Management
- Business Administration — Small Business/Entrepreneurship
- Business Management — Event Planning
- Business Management — Marketing Specialization
- Child Care Center Management
- Dental Assisting (Applied Technology Diploma)
- Drafting
- Equine Assistant Manager
- Information Technology Analysis
- Landscape and Horticulture Technician — Horticulture Specialization
- Landscape and Horticulture Technician — Landscape Specialization
- Office Management
- Paramedic

**Eligible Postsecondary Adult Vocational Certificate Programs:
- Air Conditioning, Refrigeration and Heating Technology
- Applied Welding Technologies
- Automotive Collision Repair and Refinishing
- Automotive Service Technology
- Barbering
- Cosmetology
- Law Enforcement Officer
- Practical Nursing
- Surgical Technology

Payment of Financial Aid
Financial aid award amounts may be adjusted based on the student’s enrollment status, which is determined after the drop-only deadline listed in the registration calendar in the official catalog or, in the case of late awards, at the time the award is approved. A financial aid recipient must be meeting all eligibility requirements at the time payment is made.

Fees, books, VA deferments and/or promissory notes outstanding at the time payment is made will be deducted from the financial aid payment. If a balance is available, a refund will be issued by Higher One via the CF OneCard. Visit www.CFOneCard.com for additional information. Address changes should be updated to help ensure timely receipt of financial aid funds. Address changes can be made by completing a Student Information Update form in the Office of Admissions and Records or the Enrollment Services Center.

If you are receiving your financial aid award after you have completed the semester, aid will be paid only for courses that have been completed successfully.

Definition of an Award Year
The financial aid award year starts in the beginning of the fall semester (usually August) and continues to the end of the summer semester (usually July), with the exception of Federal Work-Study. The Federal Work-Study award year begins July 1 and ends June 30.

College Preparatory (Remedial) Courses
Required college preparatory coursework can be counted in the student’s enrollment for financial aid purposes. However, once a student has attempted 30 hours of preparatory coursework, the student is not eligible for aid for any additional preparatory coursework. If a student must take additional preparatory credit hours, the student will not receive aid for those credit hours and those hours will not be included in the determination of enrollment for financial aid purposes.

Eligible Coursework and Repeat Coursework
Repeated coursework and coursework not required for a student’s program of study will impact a student’s aid award. Students may not receive financial aid for coursework that is not required for their major and/or not among approved electives for their current program of study. If a student is taking coursework not required for his/her program of study, the student’s enrollment status will be adjusted for aid purposes. In addition, repeated coursework where a grade has been previously assessed is, in most cases, ineligible for aid. The student will be ineligible for aid for the repeated coursework and the student’s enrollment status will be adjusted for aid purposes.

Satisfactory Academic Progress for Financial Aid Purposes
All students receiving federal, state or institutional financial aid must meet the standards of progress outlined below. The requirements for these standards are set by federal regulations (34CFR Sections 668.16(e), 668.32(f), 668.34).

Satisfactory progress requirements are:
1. You must maintain at least a 2.0 cumulative grade point average or;
2. If your cumulative GPA is less than 2.0 you must maintain at least a 2.0 semester GPA to maintain probation status to continue receiving aid, and;
3. You must successfully complete at least 67 percent of all CF credits taken including transfer courses accepted, and;
4. You must successfully complete at least 67 percent of the credits you attempt for the semester; your GPA must not drop from the previous cumulative GPA to maintain good standing or probation status;
5. You may attempt no more than 150 percent of the total credit hours in your degree or certificate program.

How are the above calculations made?
If you attended other colleges, the courses you took that are accepted as transfer credit by the College of Central Florida will be considered in the evaluation of your progress. For financial aid purposes, being enrolled in a course for credit beyond the official drop/refund deadline counts as an attempt. All successfully completed transfer courses accepted and courses taken at the College of Central Florida, including those taken as part of another program of study, will be included in
determining your Satisfactory Academic Progress. For financial aid purposes, successful completion of a course means an earned grade of A, B, C, D or S. However, a grade of D is Passing below average. All other grades (F, I, W, N and NR) are considered unsuccessful completions and will impact your progress determination. The formula for calculating the completion ratio is: total hours earned divided by total hours attempted. The resulting percentage must be 67 percent or greater. If you have attempted 150 percent of the hours needed for your current declared program (for most students this is 90 credit hours or more, referred to as excess hours), you will no longer be eligible for financial aid without a signed consent form from an academic advisor.

When does the College of Central Florida evaluate a student for SAP?

Satisfactory Academic Progress will be evaluated when the FAFSA is received by the College of Central Florida's Financial Aid office. If at the time the FAFSA is received there are outstanding academic transcripts a review of the students SAP will be done again once the last transcript is evaluated by the admissions department. At the end of each semester SAP is reviewed for students that have been disbursed Title IV aid.

What happens if you are not meeting SAP?

At the end of a semester, if you do not meet the standards of Satisfactory Academic Progress due to your GPA or completion ratio, and are currently on probation, your academic progress will be evaluated and if you have not withdrawn or received a non-passing grade you will be placed on financial aid probation for one semester. Students may continue to enroll, attend classes and receive financial aid for the probationary period. If you do not meet the requirements during your probation semester, you will be placed on suspension and will not be eligible for further financial aid at the College of Central Florida.

During suspension students can continue to enroll and attend classes as long as all tuition/fees and any other charges are paid in full.

Can you appeal the SAP decision?

You have the right to appeal a financial aid suspension if you have special circumstances that affected your ability to meet the satisfactory progress requirements. Appeal forms are available on the student portal and can be downloaded at http://www.cf.edu/departments/sa/finaid/1011SAPAppealSU11.pdf. Documentation of your special circumstances will be required. Appeal forms must be submitted to the Financial Aid Department by the appeal deadline printed on the form. If you are placed on financial aid suspension and you do not have special circumstances or your appeal is denied, you may regain your eligibility for financial aid by bringing your cumulative GPA up to a 2.0 or better and your cumulative completion rate to at least 67 percent. If you were on probation and you have failed to bring your GPA and completion ratio up you will need to pay for the courses you take while under suspension.

However, during the same financial aid year if you were awarded Title IV aid on an appeal and continue to show improvement a Financial Aid administrator may approve an appeal for the next consecutive semester without an additional appeal form submitted. End of semester appeals must be submitted before the end of add/drop for the upcoming semester. Refer to the student portal to determine your end of semester SAP status. No appeal will be approved for a semester that has ended.

Appeals are granted for extenuating circumstances only.

- Illness/injury of the student or death of a close relative of the student are extenuating circumstances.
- Other extenuating circumstances that will be considered are medical emergencies, accidents, divorce/separation of parents; personal tragedy, natural disaster or other special circumstances beyond the student’s control that prevented the student from meeting the minimum standards.
- No appeal will be considered without supporting documentation. The student must have proof of his/her situation.
- The Financial Aid Office will notify each student on the student portal and in writing of its decision.
- Students whose appeals are approved and placed on financial aid probation for one semester will be considered. At the end of that semester the students’ academic records are reviewed and students are returned to satisfactory progress or if they have improved in completion ratio or GPA will be given another semester of probation. If they are still not meeting minimum standards or did not do what was required for the probation they are placed on financial aid suspension.
- The financial aid suspension will remain in place for appeals that are not granted.
- Students may appeal the decision of the appeal by submitting a written request to the Financial Aid director or speaking to the director in person. Decisions on appeals made by the director of Financial Aid are final and may not be appealed further.

Financial Aid Application Instructions

At CF, you must reapply for financial aid for each academic year you attend school and:

1. Be degree-seeking or certificate-seeking in an eligible program at CF.
2. Provide the Office of Admissions and Records with an official copy of your high school transcript or GED and, if you are a college transfer student, provide an official copy of your transcript from each institution you attended. Transfer course work must be evaluated before an award can be made.
3. After Jan. 1 each year, a student should complete the Free Application for Federal Student Aid and submit it to the federal processor. CF’s federal school code is 001471. In order for CF to process your financial aid, you must include this school code on your FAFSA. You may submit the FAFSA online at www.fafsa.ed.gov (allow at least two weeks for processing).
4. Research and apply for CF and other local and national scholarships.

Verification: The federal government requires that some applications be reviewed for accuracy through a process called verification. If you are selected for this process, you will be required to complete a verification worksheet and provide other income information including copies of tax transcripts for individuals whose income was included on your application. You will be notified through the mail if you have been selected for verification. Your financial aid file will not be considered complete and ready for verifying until all missing eligibility information has been received and processed. You will not receive an award letter until your verification is completed. This
process can take from six to eight weeks depending upon how quickly you submit accurate and complete information and documents.

Federal eligibility matches: The federal processor matches your name, date of birth and Social Security number with a variety of federal agencies. Agency matches are performed on the files of the Social Security Administration, Department of Homeland Security, Selective Service, Veterans Administration and the National Student Loan Data System. If any discrepancies or questions about your information occur, you will be asked to provide additional documents or take additional action to confirm your eligibility for federal assistance. The federal processor will notify you on your Student Aid Report of the results of these matches and whether additional information is required in order for your application to be processed.

Financial Aid Programs Available

Grants

Grants may be awarded if you are determined to have financial need based on the Free Application for Federal Student Aid. The grants listed below are administered by the CF Office of Financial Aid based on the guidelines set for each program by the provider.

Federal Pell Grant

This is a need-based federal grant program for students who are seeking their first undergraduate degree and whose Estimated Family Contribution is below a designated amount. The annual Federal Pell Grant award amount is determined by your EFC and enrollment status.

Students who establish eligibility will be funded. All required/requested documents must be received prior to your last day of enrollment or June 30 of the academic year, whichever comes first.

Initial awards are estimated based on full-time status (12 credit hours) and on the evaluation of information submitted on the FAFSA. Estimates will change if any criteria used to determine your eligibility, such as program of study or area of interest, degree status, satisfactory academic progress, income or family information changes. Actual payment will not be determined until after the drop only/refund deadline listed in the college calendar.

You may not have to be enrolled full time to receive a Federal Pell Grant award. The amount actually paid to you from the Federal Pell Grant listed in your award letter will be prorated if you enroll for less than 12 credit hours in a given semester. You must begin attending all of your classes before disbursement of any funds are made. If your attendance is not confirmed for one or more classes, your aid will be adjusted to the enrollment level of the credit hours that have been confirmed.

Federal Pell Grant awards may be used for the equivalent of two full-time semesters each year. Students who attended part-time in fall and/or spring semester(s) may use their remaining eligibility in the summer semester.

Federal Pell Grant Program — Duration of Eligibility

Once you have received a Pell Grant for 12 semesters, or the equivalent, you will no longer be eligible for additional Pell Grants.

- You are eligible to receive a Pell Grant for up to 12 semesters or the equivalent. If you have exceeded the 12-semester maximum, you will lose eligibility for additional Pell Grants beginning in 2012-2013 school year. Equivalences are calculated by adding together the percentage of your Pell eligibility that you received each year to determine whether the total amount exceeds 600 percent.

- For example, if your maximum Pell Grant award amount for the 2010-2011 school year was $5,550, but you only receive $2,775 because you were only enrolled for one semester, you would have used 50 percent of your maximum award for that year. If in the following school year, you were enrolled only three-quarter time, you would have used 75 percent of your maximum award for that year. Together, you would have received 125 percent out of the total 600 percent lifetime limit.

Federal Supplemental Educational Opportunity Grant

The FSEOG is a need-based federal grant awarded to undergraduates seeking a first undergraduate degree in an eligible program who have exceptional financial need and enroll in at least six credit hours. Priority is given to students with an Expected Family Contribution of “0” who apply for financial aid by the priority deadline date of May 15 each year. Limited funding is available in this program, and funding is awarded on a first-come, first-served basis.

Initial awards are estimated based on the results of the FAFSA. Estimates may change if any criteria used to determine your eligibility, such as program of study or area of interest, degree status, satisfactory academic progress, income or family contribution changes. Actual payment will not be determined until after the drop only/refund deadline listed in the college calendar.

The amount actually paid to you from the FSEOG will be prorated if you enroll for three-quarter time or half time in a given semester. You must also be attending all of your classes. If your attendance is not verified prior to the actual payment of FSEOG funds, payment for the noncertified classes may not be made.

Florida Student Assistance Grant

FSAG is a need-based grant for students who meet Florida residency requirements and are enrolled at least half time. To qualify you must be seeking your first undergraduate degree, enroll in an associate or baccalaureate degree program and also qualify for a Federal Pell Grant. The award amount varies per year for a full-time student and is prorated based on enrollment status. Priority is given to students who apply for financial aid by the May 15 priority deadline.

Limited funding is available in this program, and funding is awarded on a first-come, first-served basis.

Initial awards are estimated based on the results of the FAFSA. Estimates will change if any criteria used to determine your eligibility, such as residency, program of study or area of interest, degree status, satisfactory progress, income or family information changes. Actual payment will not be determined
FSAG is available for fall and spring semesters only.
For additional details and regulations, visit www.floridastudentfinancialaid.org.

FSAG-CE
The Florida Public Postsecondary Career Education Student Assistance Grant is a need-based grant for eligible Florida residents enrolled at least half-time in a credit certificate or vocational certificate program. Priority is given to early applicants. Award amounts vary depending on each student’s need and enrollment level. This program has very limited funding. The grant will be awarded on a first-come, first-served basis.
For more information about this grant, please visit http://www.floridastudentfinancialaid.org

College of Central Florida/Foundation Scholarships and Talent Grants
Students who receive a CF need-based scholarship or talent grant must complete a Free Application for Federal Student Aid for the academic year in which the scholarship is awarded. Academic merit scholarship recipients are not required to file a FAFSA. Students are able to apply for foundation endowed scholarships by completing a scholarship application available online. The application will be kept on file and matched to specific endowed scholarships as they are made available. Reference materials with information about scholarship funds are available in the Enrollment Services Center at the Ocala and Citrus campuses, at the Levy Center, and on the CF website (refer to Financial Aid, Scholarships).

CF has a scholarship application priority deadline of May 1. Applications will be accepted after that date but awards may be reduced for applications received after the priority deadline.

Talent Grants: College of Central Florida and the CF Foundation provide a number of talent grants each year for participation in campus activities. A student must enroll at least half time in order to receive a talent grant, but preference may be given to students enrolled full time. Talent grant recipients are recommended to the Office of Financial Aid by the appropriate department head or program advisor. Talent grants are provided in athletics, drama, music, dance, theatre, publications, activity board, Brain Bowl and forensics.

CF Academic Merit Scholarship: CF has established scholarships that will be awarded to seniors in high school in Citrus, Levy and Marion counties. Attempts will be made to award students from every high school (if funding permits). Recommendations for these scholarships should be made by the high school principals or their designees to the director of Admissions and Records by the announced spring deadline date. Each scholarship is awarded over a four-semester fall/spring period commencing after high school graduation. The student must enroll full time in order to receive the scholarship. Initial recipients must have a 3.3 GPA to qualify. To be eligible for renewal, a student must maintain a cumulative CF grade point average of 3.0 or higher.

Community of Scholars Scholarship: CF has established scholarships for eligible students in the Community of Scholars program (see Honors Programs). Eligible students must be Florida residents and must meet the requirements to participate in the Community of Scholars program. Recommendations for awards are made by the Community of Scholars program advisor to the Office of Financial Aid. See Honors Programs on page 68 for additional information about the Community of Scholars Program.

Other Scholarships may be available depending on funding. Students who complete the CF Scholarship application will be considered for all available scholarships.

Institutional Need Grant
The CF Institutional Need Grant is a need-based grant for students who meet Florida residency requirements and are enrolled in an eligible degree or certificate program. To qualify, students must have financial need as demonstrated by completing the FAFSA. Preference is given to students who do not apply for a student loan. The award amount must be used for tuition and fees only. Priority is given to students who apply early. Funding is limited for this program.

Postsecondary Adult Vocational Grant
The PSAV Grant is a need-based grant for students who meet Florida residency requirements and are enrolled in an eligible PSAV certificate program. To qualify the student must have completed the Free Application for Federal Student Aid. Preference is given to students who are not eligible for student loans. The award amount is applied only to tuition and fees. Priority is given to students who apply early. Limited funding is available in this program, and funding is awarded on a first-come, first-served basis.

Florida Bright Futures Scholarship Program
This is a state scholarship awarded to Florida high school graduates who demonstrate high academic achievement. Awards are issued by the state of Florida directly to the eligible institution.

Applications and eligibility criteria are available at your high school guidance counselor office or from the Florida Department of Education website at www.floridastudentfinancialaid.org.

In order to receive funding for a Florida Bright Futures Award, a student must:
- be a Florida resident and a U.S. citizen or eligible noncitizen as determined by his/her college, university or vocational school
- be enrolled as a degree/certificate seeking student
- enroll in a minimum of six semester (nine quarters or the equivalent in clock) hours per semester by the end of the school’s drop/add period.

Bright Futures awards are available for fall and spring semesters only. There will be no funding under any of these programs for summer coursework.

After the end of the drop/add period, funds are either applied to the student’s account at the institution or returned to the student via the CF One card. CF receives electronic award information about eligible CF student scholars from the Florida Department of Education and includes the award in their aid package. Actual payment depends upon the program.
regulations and the amount of tuition and fees assessed for the semester.

Please note: Bright Futures does not cover remedial classes (prep coursework) and these credit hours are not included in the minimum requirement of hours per semester.

Each award level has different academic criteria for eligibility. You may receive only one award:

**Academic Top Scholars Award:** The high school senior with the highest academic ranking in each county shall receive a pre-determined scholarship amount per credit hour per semester, in addition to the Florida Academic Scholars Award, prorated by semester and hours.

**Florida Academic Scholars Award:** Pays per credit hour (including vocational credit hours) of community college-level tuition and requires a 3.0 cumulative grade point average to renew.

**Florida Medallion Scholarship:** Pays per credit hour tuition of community college-level tuition to degree-seeking students and a specific amount per credit hour for vocational coursework. Renewal requires a 2.75 cumulative grade point average.

**Florida Gold Seal Vocational Scholars Award:** Pays per credit hour of vocation program tuition and requires a 2.75 cumulative grade point average to renew. The Gold Seal Vocational Scholars Award can no longer be upgraded to the Florida Medallion Scholarship.

**Dropped or Withdrawn Hours:** Students will be required to repay to the college the cost of any course/hours dropped or withdrawn unless an exception is recommended by the home postsecondary institution.

- A Bright Futures student who drops or withdraws from course hours that were funded by a Bright Futures award after the last day of the add/drop period will be responsible for reimbursing the postsecondary institution for the cost of course(s) dropped or withdrawn.
- A student may make a written appeal, however, for hours dropped or withdrawn (due to verifiable illness or emergency) after the last day of the add/drop period. CF will make an appeal recommendation for a repayment exception to the Florida Department of Education. A recommendation for an exception is based on received documentation of a verifiable illness or emergency beyond the student’s control.
- The Florida Department of Education may accept or deny the postsecondary institution’s recommendation for repayment exception. Nonrefunded hours may affect the student’s renewal eligibility.
- For first year students, summer grades and hours earned after spring evaluation may be used if necessary to meet the scholarship renewal requirements of GPA improvement. A student must ask a financial aid specialist to submit a grade and hours update to the Florida Office of Student Financial Assistance (OSFA) indicating any adjusted postsecondary institutional cumulative GPA.

Repayment calculations are based on the current Bright Futures award amount per credit hour. For information regarding current scholarship requirements and award amounts, go to www.floridastudentfinancialaid.org/SSFAD/factsheets/BF.htm.

**Other Scholarships Offered by the Florida Department of Education**

The Florida Department of Education offers a number of scholarships for Florida residents. Please consult the Florida Department of Education website, www.floridastudentfinancialaid.org for additional information.

**Outside Private Scholarships**

Many clubs and organizations offer scholarships to college students. Students can obtain information about these awards from high school guidance counselor offices, libraries or from the Internet. (Refer to the CF website for a complete listing of search sites.) The following free Internet scholarship search services should be considered: www.fastweb.com and www.cashe.com.

If a student or the student's family belong to any social, civic, ethnic, religious, professional or service groups, the student should contact these groups regarding possible scholarships. They often have educational assistance programs that are not advertised. Also, employers sometimes have educational assistance plans for employees and/or their dependents.

**Employment**

**Federal Work-Study**

This is a federal work program for students with financial need. Students may be employed at a CF campus or in a community service position. Students must be enrolled on at least a half-time basis, work on average 12 to 14 hours a week and meet Standards of Academic Progress.

Students may be offered work-study as part of the overall financial aid award in their award notification letter; however, if work-study was not offered, the student may wish to inquire about eligibility by visiting the Office of Financial Aid.

**Other Employment**

Other limited, institutionally funded employment opportunities are available for students who are enrolled at least half time. Students do not necessarily have to demonstrate financial need; however, all students must complete a FAFSA prior to placement in this program to determine their employment program status.

**William D. Ford Federal Direct Loans**

CF students are eligible to participate in the William D. Ford Federal Direct Loan Program. There are three loans in this program: the Subsidized Stafford Loan, the Unsubsidized Stafford Loan and the Parent Loan for Undergraduate Students, PLUS.

Applicants must apply for grants first by completing the Free Application for Federal Student Aid.

All borrowers must complete a Master Promissory Note before their loan can be processed. This can be done online at http://dlenote.ed.gov.
Financial Information

First-time borrowers at CF must complete Entrance Counseling in order to receive a Federal Direct Loan. Loans will not be processed until entrance counseling is completed. This can be done online at http://dlenote.ed.gov. The Entrance Counseling will provide important information regarding the loan, including deferment and repayment information.

To receive any loan, the student must enroll in at least six credit hours each semester, meet Standards of Academic Progress, and not have a previously defaulted loan(s).

In order for the loan to remain in payment deferment, the student must enroll in at least six credit hours (not including summer). Once the student has stopped attending at least six credit hours, the six-month grace period begins and the student must complete exit counseling (also a requirement). Exit counseling may be done online at http://www.dl.ed.gov (exit counseling).

Exit counseling will give important information about repaying loan(s) and options that are available should there be a problem with the terms of the loan(s).

Note: If the student has defaulted (failed to make payments) on a prior student loan at any institution or has excessive loan debt, CF reserves the right to refuse to certify additional student loans.

Subsidized Stafford Loan

This loan is a federally funded loan provided to students through the U.S. Department of Education. This loan requires unmet financial need. The federal government will pay the interest while the student is enrolled in school and during the six-month grace period. The student must repay the loan plus a variable or fixed rate of interest beginning six months after leaving the school or dropping to less than half-time status.

Generally, students enrolled in a certificate program or a degree program without having completed 30 credit hours may borrow up to $3,500 per year or the amount of unmet financial need, whichever is less. Students who have completed more than 30 credit hours in a degree program at the time of application may borrow up to $4,500 per year or the amount of unmet financial need, whichever is less.

Direct Student Loan Changes

Direct Subsidized loans will not be eligible for an interest subsidy during the six-month grace period.

Subsidized loans are loans for which the borrower is not responsible for the interest while the student is enrolled in college on at least a half-time basis, when the loan is in the six-month grace period after the student is no longer enrolled at least half time, or if the loan is in a deferment status. This provision eliminates the interest subsidy provided during the six-month grace period for subsidized loans for which the first disbursement is made on or after July 1, 2012, and before July 1, 2014. If you receive a subsidized loan during this time frame, you will be responsible for the interest that accrues while your loan is in the grace period. You do not have to make payments during the grace period (unless you choose to) but the interest will be added (capitalized) to the principal amount of your loan when the grace period ends. This provision does not eliminate the interest subsidy while the borrower is in school or during eligible periods of deferment.

All subsidized loans made to undergraduate students will have a fixed interest rate of 6.8 percent.

Subsidized loans for which the first disbursement is on or after July 1, 2012, will have a 6.8% fixed interest rate. Note: In the President’s Fiscal Year 2013 budget request, the Administration has proposed maintaining the interest rate on subsidized loans at the current rate of 3.4% for the 2012-2013 school year.

The U.S. Department of Education can no longer offer borrowers repayment incentives.

Effective for loans first disbursed on or after July 1, 2012, the Department of Education is prohibited from offering any repayment incentives to Direct Loan borrowers, except interest rate reductions to borrowers who agree to have payments automatically electronically debited from their bank account.

If you have any questions about how these changes could impact you, please contact the financial aid administrator at your school or call 1-800-4-FED-AID.

Unsubsidized Stafford Loan

This is a federally funded loan that is provided to students through the U.S. Department of Education. This loan does NOT require unmet financial need; however, the student still must complete the FAFSA. The student must be enrolled at least half time (six credit hours) and is responsible for the interest while the loan is in deferment and during the six-month grace period. The student may pay the interest while in school or may contact the loan servicing center to request that the interest be deferred until the time of repayment.

Generally, dependent students enrolled in a certificate program or a degree program without having completed 30 credit hours may borrow up to $5,500 per year in combined subsidized and unsubsidized loans, not to exceed the cost of attendance less other financial aid. Students with more than 30 credit hours in a degree program at the time of application may borrow up to $6,500 per year in combined subsidized and unsubsidized loans, not to exceed the cost of attendance less other financial aid.

Independent students who are freshmen or sophomores may borrow up to an additional $6,000 per academic year, juniors and seniors an additional $7,000 per academic year, not to exceed the cost of attendance less other financial aid.

Parent Loan for Undergraduate Students

Parents of dependent students may borrow on behalf of their children. The borrower can not have adverse credit. The student must first apply for other types of financial aid by completing the FAFSA. Loan amounts must not exceed the cost of education less other financial aid. Parent loans must be repaid over a 10-year period with variable or fixed interest rates beginning 60 days after disbursement.
Rights and Responsibilities of the Financial Aid Recipient

As a financial aid consumer, you have the right to:

- Be informed about financial aid application procedures, cost of attendance, aid available and renewal requirements.
- Have confidential protection of your financial aid records. The contents of your financial aid file are maintained in accordance with the Family Educational Rights and Privacy Act.
- Request a review of decisions made by the College of Central Florida Financial Aid staff. A letter explaining your situation in detail should be submitted to the director of Financial Aid.

You have the responsibility to:

- Complete applications correctly and on time.
- Read and understand all materials sent to you from the Office of Financial Aid and other financial aid agencies by mail; keep copies of all forms and materials submitted.
- Know and comply with the rules governing your aid program(s).
- Comply with the provisions of any promissory notes and all other agreements you sign.
- Register for the appropriate number of credits and maintain Satisfactory Academic Progress.
- Request personal assistance if you have questions or do not understand the information provided to you.
College Resources

Programs

CF Institute
College of Central Florida’s CF Institute is committed to meeting corporate and community learning needs through continued career education, customized consulting services, enrichment and volunteer opportunities for seniors.

The CF Institute provides noncredit programs that provide short-term career development, as well as programs that provide ongoing continuing education requirements for many professions. Short-term career training includes a wide variety of areas such as security officer training, home inspector, and health care courses including Certified Nursing Assistant. Professional continuing education classes include real estate, and insurance. In addition to targeted career training, additional classes are offered for everything from motorcycle driving classes, computer classes and extensive on line offerings for students who prefer to learn at their own pace.

The CF Institute also provides customized training and consulting for new and existing industry. Programs are tailored to meet the specific needs of an organization by customizing the content, providing the appropriate subject matter expert and delivering the programs at a time and place most convenient for the organization.

Classes are available at the Ocala Campus, Levy Center, Hampton Center and off-campus facilities.

For additional information, go to CFtraining.cf.edu, call 352-873-5804, or visit the CF Institute offices in the Ewers Century Center, Room 102, at the Ocala Campus, or the Levy Center.

Senior Institute/RSVP
The Senior Institute, founded in 1992, provides learning opportunities, quality leisure time and social interaction for mature adult learners who are interested in exploring stimulating opportunities for personal growth and development.

The Retired and Senior Volunteer Program works closely with local nonprofit organizations to develop significant and stimulating opportunities for adults 55 and better. Through the free volunteer placement service, the individual can find the organization that will best match their interests and benefit from their unique life experience, skills and abilities.

Postsecondary Adult Vocational Programs
Area vocational education school programs are open to high school completers, persons who have left high school prior to graduation, and dual enrollment students. All students enrolled in an occupational program of more than 450 clock hours must be tested. CF uses the Test of Adult Basic Education or the Postsecondary Education Readiness Test.

Career Pathways
Career Pathways is a collaborative educational program with Citrus, Levy and Marion county schools in which students begin their technical or applied science courses in high school and advance to higher level courses at CF. Current programs of study include Accounting, Automotive Technology, Business Administration, Office Administration, Early Childhood Education, Computer and Information Technology, Criminal Justice, Landscape and Horticulture Technology, Equine Studies, and Agribusiness. Students who have graduated from an approved and articulated Career Pathway course of study may be eligible to receive college credits and/or advanced standing in specific programs of study toward an Associate in Science degree or PSAV certificate.

Services
Child Care
Students are eligible and welcome to enroll their children in the Learning Lab School at the Ocala Campus. See fees on page 70, and contact the office for complete admission policies.

Learning Support Centers
Available at both the Ocala and Citrus campuses, the Learning Support Centers aid students in academic and occupational programs by offering student success-oriented services. The centers provide CF students, at no cost, with open computer labs, instructional classrooms, group and one-on-one tutoring in most subject areas, and technical assistance with computer applications. There are approximately 88 computers in the Ocala center and approximately eight in the Citrus center that provide a wide variety of online programs and applications, including online interactive tutorials in many subjects. University partner students may use the computers in the centers at no cost.

The Ocala Learning Support Center is located in the Clifford B. Stearns Learning Resources Center, and the Citrus Learning Support Center is located upstairs in the Dorothea G. Jerome Building.

The Learning Support Center at the Ocala campus also includes the Writing Center, e-learning support, and career and technical education support.

Writing Center
The Writing Center, located in the Ocala Learning Support Center, provides students tutoring assistance with grammar, punctuation, and organization for any courses that require writing. Students are encouraged to make an appointment for tutoring.
E-Learning Support

E-learning responds to the students’ needs for flexible, accessible programs and classes. Online classes allow the student to complete course requirements predominantly away from the campus asynchronously via the Internet. Some on-campus meetings may be necessary depending upon the course. E-learning also includes hybrid classes, which meet part of the time on campus and part of the time online. Another e-learning format, videoconferencing, delivers live instruction with two-way audio and video over the internal campus network.

Academic support, library and learning resources, student services and technical support are available for all e-learning students. Contact the Distance Learning Help Desk at dlhelp@cf.edu or 352-854-2322, ext. 1317.

Online Courses: Online courses are distributed through the Internet, providing the opportunity for students to obtain instruction without the constraints of time and place. Students who enroll in online classes must have access to a computer with Internet access. Required skills include basic word processing and the ability to utilize email. In order to be successful, online learners must be able to work independently with minimal supervision. For some online classes, meetings for orientation, testing and review are held on campus.

Hybrid Courses: Hybrid courses are combinations of online, videoconferencing or traditional face-to-face classroom instruction. A designated percentage of the class is delivered on campus, and the remaining percentage is delivered in the online environment. The percentages will vary according to the needs of the particular class as determined by the instructor.

For a current list of e-learning opportunities, visit the MyCF web portal.

Applied Academics for Adult Education (APA) Support Center

The APA Support Center, located at the Ocala Campus in Building 13, Room 100, is a service to CF’s occupational (A.S. degree and certificate programs) and pre-occupational students. APA is an open entry/open exit noncredit program that enables these students to acquire the minimum basic literacy skills required for the Test of Adult Basic Education.

Student Advising

The mission of academic advising at CF is to provide students with comprehensive individualized and group services that support academic achievement, retention, graduation, university transfer, employment and personal success.

Students who need assistance developing an academic plan through graduation and beyond may schedule an appointment with an advisor in their program division. Advisors in the Enrollment Services Center are available on a walk-in basis. Students may also receive assistance with a question or problem concerning course selection, registration, academic progress or a graduation check. Questions or requests for assistance in transferring to a four-year institution should be directed to the A.A. degree advisors in the Enrollment Services Center in the Bryant Student Union. Students planning to transfer to four-year institutions should begin early in the freshman year to work with an advisor in planning their coursework to include prerequisites for transfer and any other admission requirements.

A variety of student support services is available through the Counseling Department at the Citrus Campus, including academic advisement, testing, career exploration, academic support, transfer assistance and personal counseling referrals.

The educational advisors in Enrollment Services at the Ocala Campus are available for assistance to A.A. degree-seeking students. A.S. and certificate-seeking students should make an appointment with the educational advisor assigned to their program of study or area of interest (Business and Technology, Ewers Century Center; Criminal Justice, Building 31; and Health Sciences, Building 35; at the Ocala Campus). Students seeking advisement for the vocational programs should go to Building 17 at the Ocala Campus. Counselors/advisors are also available at the Citrus Campus and Levy Center and in CF’s TRIO Programs for those who qualify. B.A.S. students should go to the Ewers Century Center and B.S. students should go to the University Center at the Ocala Campus for advising assistance.

An online advising service is also available to prospective and current students. This 24-hour service (peak times may take a little longer for a response) is provided to assist students who have a quick question or concern that would not require an in-person appointment. Full educational plans, degree audits and graduation checks cannot be provided through this service. Go to CF’s website at www.CF.edu and click on Future Students or Current Students, then click on Online Advising, or send an e-mail to eadvise@cf.edu.

For detailed information about advisors and advising services, go to the Advising Web page at http://www.cf.edu/departments/sa/enroll/academic_advising.htm.

Access Services for Students with Disabilities

Access Services works with students and faculty to facilitate the process of reasonable accommodation for students with documented disabilities. Students who identify themselves to Access Services and provide documentation from a licensed or certified professional may request accommodations related to their disability. This includes potential students, new, transfer or currently enrolled students. To ensure an effective accommodations process, students must make their requests in a timely fashion.

Accommodations are made on a case-by-case basis and may relate to physical access, auxiliary learning aids or programmatic and classroom academic adjustments. Auxiliary learning aids may include American Sign Language interpreters, scribes, audio textbooks from Learning Ally, CCTV, and various adaptive hardware and software including large screen monitors and computers with enlarging software, screen reading software and dictation software. Academic adjustments may consist of testing modifications and/or course substitution.

The Office of Access Services, located in the Bryant Student Union, Room 204F, coordinates these services for students at all CF campuses and centers. Access Services also makes referrals to community agencies and/or private services for testing and evaluation. For more information, visit the Office of Access Services website at http://www.cf.edu/departments/sa/ss/access or call 352-854-2322, ext. 1580 or email access@cf.edu.
Food Services

The Ocala Campus offers our Patriot Cafeteria with made-to-order breakfast, hot luncheon selections, made-to-order subs and salads and a large selection of bakery and snack items. The Cyber Café at the Ocala Campus offers specialty coffee drinks, ice cream and a variety of bakery items. This space offers wireless Internet and is a great place for quiet studying or interacting with friends. Full-service catering is also available at the Ocala Campus. Soft drinks and snacks are available in vending machines in selected locations at the Ocala and Citrus campuses. No food or drink is permitted in the classrooms or auditoriums.

Hours of Operation: Monday-Friday, 7:30 a.m.-2 p.m. (Hours vary depending on time of year.)

Conference Services

College of Central Florida’s conference centers include the Webber and Klein conference centers at the Ocala Campus, the Appleton Museum of Art auditorium, and the Citrus Learning and Conference Center at the Citrus campus. The centers provide meeting and event space for campus and community organizations. In addition, full-service catering is available at certain locations. For information on how to book an event, call 352-291-4441 (Ocala), 352-291-4455 (Appleton) or 352-249-1210 (Citrus).

Health Services

Serious illness, accident or need of emergency medical attention should be reported immediately to the Public Safety Office at the Ocala Campus or the Administration office at the Citrus Campus. Use the nearest campus telephone and dial ext. 1261 at the Ocala Campus when an emergency arises, or call 911 (emergency number) if no response at ext. 1261. At the Citrus Campus, dial 911 if not near the Administration office when an emergency arises.

College of Central Florida, while having no obligation to do so, attempts to secure medical aid for students. No health facility is maintained on campus; however, several emergency facilities are located near the Ocala Campus. Students at the Ocala Campus are referred to one of these facilities unless they request otherwise. Citrus Campus students are referred to Citrus Memorial Hospital in Inverness unless they request otherwise in writing. Registration implies understanding of and consent for this procedure.

When applying, the student is asked to provide certain pertinent health information, and students with chronic health problems are advised to make their special needs known to the coordinator of Access Services and security personnel at the Ocala Campus, or the Counseling Office at the Citrus Campus.

Career Center

The primary purposes of the CF Career Center are helping students and citizens in the district discover which careers are most appropriate for them and how to plan their education accordingly, and assist employers in selecting the best candidates for jobs.

Potential clients of the Career Center include students, those desiring to change or start new careers, retirees who want to re-enter the workforce, the disabled, homemakers entering or re-entering the workforce, and local companies and industries.

Assessment: A wide variety of evaluative tools are available, from computer software to mechanical devices. These tools measure abilities, aptitudes, interests and educational development to determine which occupational fields are best suited to the testtaker. Also, these tools are used for employers in applicant or employee selection and promotion.

Job Matching: A database and other resources are available to track current and future high-demand career fields. The client is able to preview the employment outlook in a particular field(s) of interest on a local, regional, state and national level, as well as identify which employers are hiring for specific careers now and in the future. Information about related positions is also available.

The Career Development Center helps CF students and graduates with job search strategies and placement. Services include:

- off-campus job referrals
- extensive career resource library of books and multimedia materials on career planning, occupations, resume writing service, interviewing skills, employer information,
- on-campus interviewing with employers
- resume referral service
- job fairs each semester.

Job opportunities are available through the Career Center to students and graduates. Through CF’s computerized job listing bank, Patriot Placements, located at http://cc.cf.edu, students can find current local, state and national job referrals.

Any student or graduate desiring to use the services of the Career Center may visit the Bryant Student Union, Room 205; call 352-854-2322, ext. 1721; or visit http://cc.cf.edu.

Career counseling is available at the Ocala Campus by calling 352-854-2322, ext. 1721, to schedule an appointment.

Early Alert Referral Program

CF’s Early Alert Referral Program was developed to assist in the overall effort to identify students not making satisfactory progress and/or exhibiting behaviors that may lead to academic or behavioral difficulties. As part of our collaborative retention efforts, this online referral system was developed to link instructional faculty with the Office of Student Services. Once a student is identified, the staff from the Office of Student Services/Office of Retention and Student Success will contact and work with the student in an effort to increase their chances of becoming academically successful at CF.

Faculty and staff can access the Early Alert referral form from http://www.cf.edu/departments/sa/ss/early_alert.htm.

Here are some reasons for a faculty or staff referral:

- attending class, but not making satisfactory progress
- class disruption, disrespect, etc.
- consistently late to class
- continually submits sub-standard work
- failure to turn in assignments
- high rate of absenteeism
- low test/quiz performance
- missed tests, quizzes, or major examinations
• not participating in class
• student language barriers
• personal
• other.

Students can also self-refer if they are having difficulty in a class or difficulty adjusting to college in general. Students may self-refer either by submitting a form, by visiting the Office of Student Services/Office of Retention and Student Success in the Bryant Student Union, Room 205, or by calling 352-854-2322, ext. 1362, for an appointment.

**Student Assistance Program**

The CF Student Assistance Program is a confidential resource for assisting students who may have personal problems which could affect their school, work or home lives. SAP provides early intervention and professional assessment to best meet the needs of the student.

**Services are free to all active CF students.**

The SAP is managed by Bay Care Life Management, a not-for-profit health management organization located in Clearwater. In order to access services, a student can call a toll-free helpline, **1-800-878-5470**, during regular business hours Monday through Friday from 8:30 a.m. – 5 p.m. For crisis situations which occur after hours, on weekends or holidays, a student can call the same number and the therapist on duty will be paged and will promptly respond to the call.

Components of the SAP address a broad spectrum of behavioral health needs, including mental health and substance abuse issues to include:

**Problem Identification/Assessment and Referral.** Based on telephone communication and/or face-to-face meeting, the student's presenting problem(s) is identified, the individual is assessed and an appropriate plan of action is developed.

**Crisis Intervention.** This service offers post-crisis assessment and intervention services to students who have experienced crisis situations.

**Short-term Problem Resolution.** This type of counseling is offered when resolution of the presenting problem can be resolved within the initial counseling sessions.

**Monitoring and Follow-Up Services.** Appropriate monitoring of student's progress and satisfaction.

**Consultation with Appropriate Leadership.** Providing individual consultation to campus leadership, regarding screening and the appropriate referral of students to the SAP.

For more information visit the Office of Retention and Student Success at the Bryant Student Union, Room 205, or call 352-854-2322, ext. 1362 or 1430, for an appointment.

**Dreamkeepers**

This is a program that provides the resources and tools students need to help stay in college and reach their educational goals when faced with an unforeseen financial emergency. Students are provided financial assistance to get them through their emergency. Furthermore, they are encouraged to seek and are often directed to additional resources to help them with other life challenges they may face. All Dreamkeepers students are linked to a financial literacy resource Web portal that was designed to help Dreamkeepers students build their long-term money management skills.

In order to qualify for the assistance a student must meet the following conditions:

• must have completed at least one semester at CF
• must have an overall GPA of 2.0 or higher
• must be taking at least 6 credit hours during the current semester.

Students may apply for Dreamkeepers financial assistance at the following website: https://cf.dreamkeepers.org. Or, visit the dean of Student Services at the Bryant Student Union, Room 205 for further information.

**Learning Resources Centers**

The Learning Resources Centers at the Ocala and Citrus campuses are modern library facilities equipped with a variety of materials and resources. The LRCs contain a collection of print, video, DVD, and electronic resources that support student learning. The library staff is focused on providing quality service to CF students, faculty and staff, as well as members of the community, while fulfilling their information and academic needs.

All students have access to a collection of more than 70,000 books, nearly 250 magazine and journal titles, and more than 6,000 videos and DVDs at the Ocala Campus, plus more than 9,000 items at the Citrus Campus. The library provides inter-campus delivery, which allows students to pick up and return materials at either campus. In addition to a book collection that supports CF’s academic programs, the Ocala LRC has the following special collections: the Wisdom Traditions Collection, the Hartigan Equine Collection, the Will McLean Florida Folk Music Collection, the Kenneth H. "Buddy" Mackay Congressional Books, the Abraben Architecture Collection, and the Ocala Royal Dames Cancer Collection. The Citrus LRC has the Walker Environmental Collection.

Information about these items can be accessed through the library website (library.cf.edu). Students can access more than 130 electronic databases, which provide the full text of articles from magazines, journals and newspapers. Approximately 30,000 e-books can be accessed through the library catalog. CF students have access to the resources of the 27 other Florida state and community college libraries and the 11 state university libraries. Items can be obtained directly from any of these libraries through a reciprocal borrowing program or students can use the LRC’s InterLibrary Loan service to have materials delivered to CF. Adaptive technology is available.

If you have any questions about these or other services, ask a reference librarian. The librarians will help you find information quickly and efficiently and will show you how to use the equipment and resources. Call the Reference Desk at 352-854-2322, ext. 1345 or send an email to library@cf.edu.

The staff at the circulation desk checks out books and other materials, including items on reserve. CF students can check out up to 20 books at a time with their CF student ID cards. Additional information on loan periods, renewals, etc., may be found at the LRC website, library.cf.edu.
The Office of Student Life

Campus and Community Involvement

In support of the college goal to promote student learning and success, the Office of Student Life fosters the social, physical and educational well-being of students by providing opportunities and experiences for engagement at the college and in the community. Student engagement and development is accomplished by:

- providing resources for individual development as well as for student clubs and organizations
- fostering leadership development opportunities for students
- providing opportunities for student and faculty interaction and learning through co-curricular events and services.

To find out how to get more involved, stop by the office in the Bryant Student Union, Room 201, or call 352-854-2322, ext. 1578.

Campus Involvement — Student Activities

Student clubs and organizations exist on campus to support the college goal of promoting student learning and success through the support from the Office of Student Life. CF student clubs and organizations give individuals a chance to pursue interests while developing new relationships and leadership skills. All clubs are open to any students enrolled at CF. All students may audition or interview for organizations, but selection is limited. If you don’t see something that you are interested in, inquire about starting your own club! Please check us out on the Web at http://www.cf.edu/departments/sa/sab/.

Service Learning and Community Engagement Opportunities

Volunteering in the community is a perfect way to explore potential careers, network, enhance course learning and gain personal enrichment. Offering a hand to a variety of organizations is a great way to engage in learning opportunities that teach the knowledge, understanding and competencies required for active participation within the community. For more information on volunteer opportunities, visit the Center for Service Learning and Community Engagement in Room 117B of the Learning Resources Center at the Ocala Campus.

Student Support Services

Student Support Services is one of the TRIO programs funded through the U.S. Department of Education. At CF, the SSS program provides a variety of supportive services to at least 220 students annually who meet any of the following eligibility criteria:

- **Low income.** The student comes from a family whose taxable income does not exceed levels set forth by federal government regulations.
- **First generation.** The student comes from a family in which neither parent/guardian graduated from a four-year college or university.
- **Disabled.** The student has documented physical and/or learning disabilities.

The overall purpose of the program is to increase the retention, graduation and transfer rates of this student population.

Services provided to participants include:

- academic advisement/registration assistance
- career guidance
- economic literacy training
- personal counseling
- peer tutors/mentors
- financial aid/scholarship advisement
- transfer advisement
- free trips to state universities
- social/cultural activities
- assistance for students with physical and learning disabilities.

Support Services Summer Program

The Student Support Services program conducts a summer bridge program to assist students who have not passed all sections of the college entrance exam. Although the program may change its format over time, the following description remains constant. It is a four-week program that provides students with:

- instruction in reading, English and mathematics/algebra skills
- supplemental instruction and/or tutoring
- assistance with financial aid and scholarships
- team-building activities
- leadership development
- study skills (time management, note-taking, test-taking, etc.)
- academic advisement/registration assistance
- career exploration
- campus and community resources
- campus tour.

To learn more, stop by the Student Support Services office in Building 2, Room 205, or call 352-854-2322, ext. 1761.

The Educational Opportunity Center

The Educational Opportunity Center provides a variety of services to first-generation college students from Citrus, Levy and Marion counties who also meet certain income guidelines. EOC services include career assessment, visits to postsecondary institutions, help completing financial aid applications, personal counseling and assistance with college applications. For more complete information, visit or call one of the EOC offices.

<table>
<thead>
<tr>
<th>Campus</th>
<th>Building</th>
<th>Phone</th>
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<tbody>
<tr>
<td>Ocala Campus</td>
<td>Building 9, Room 102</td>
<td>352-854-2322, ext. 1316</td>
</tr>
<tr>
<td>Citrus Campus</td>
<td>Dorothea G. Jerome Building, Room 112D</td>
<td>352-746-6721, ext. 6147</td>
</tr>
<tr>
<td>Levy Center</td>
<td>Room 2101</td>
<td>352-493-9533, ext. 2108</td>
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Testing and assessment services are available to CF students, to students attending other colleges and universities, to citizens throughout the district, and to area employers and agencies. Testing services are available at the Ocala Campus, the Citrus Campus, and the Levy Center.

Testing and assessment services exist to ensure that students are provided these services for college placement and exit requirements, for skills assessment and development/learning, for classroom performance and academic achievement (make-up tests and tests for distance learners). Cognitive, skills, and aptitude testing services are also available to area employers for purposes of employee selection and promotion. Testing services are also administered to high school students, to individuals who are students at other state and national colleges and universities, to special populations such as law enforcement/corrections, students with disabilities, and individuals seeking a variety of computer-related certifications. Career assessment is also available at the Ocala and Citrus testing centers.

Some of the more common tests include: CPT and PERT for college placement; TABE for students entering vocational programs; HESI for students entering nursing programs; PSB for students entering the physical therapist program; DANTE for individuals attending other colleges who wish to receive course credit by exam; CLEP for CF students who wish to receive course credit by exam; FBAT and COBAT for students entering the law enforcement or corrections programs and individuals seeking employment in those fields (a state of Florida requirement); occupational skills and aptitude tests; intelligence tests; IC3 Fast Track, IC3 certification exam, MOS, and other computer-related exams; specialized tests such as personality tests, tests for adjustment and development, tests for measuring learning and achievement, mental ability tests, tests measuring life stressors, visual perception tests, and others.

The Ocala Campus Testing Center is located in the Bryant Student Union, Room 205, 352-854-2322, ext. 1572, 1564, 1395, 1332, and 1721; the Citrus Campus Testing Center is located in the Citrus Learning and Conference Center, Room 109, 249-1213; and the Levy Center Testing Center is located in Room 108, 352-493-9533. Testing appointments may be made by either visiting any of the testing centers or by telephone.
Associate in Arts Degree

The Associate in Arts degree is designed primarily to meet the requirements for a student to transfer to the upper division of a college or university to continue work toward a bachelor’s degree. Students should be aware of the various, specific requirements for the Associate in Arts degree imposed by state regulations and/or law. These requirements include courses that develop reading, writing and computational skills, the exit test requirement, and, in some instances, a foreign language requirement. These requirements are listed on page 54. See the Student Advising Department for articulation sheets.

Associate in Science Degree, Applied Technology Diploma, College Credit Certificate and Postsecondary Adult Vocational Certificate Programs

All programs are open to students who qualify legally and academically. In many cases, experience has shown that a student should have additional qualifications or that some students should not enter certain programs. Examples of limiting factors in some career fields include (but are not limited to) conviction of a felony and physical or mental disorders (even if controlled by medication). Students are responsible for consulting with program managers, counselors and other experts in their chosen career fields early and regularly to be fully informed.

Entry wages related to these programs of study are provided as approximate guidelines. Actual entry wages can vary depending on a number of factors including, but not limited to, amount of experience, geographic location, certifications(s), level of education, etc. Please consult the United States Department of Labor National Occupational Employment and Wage Estimates website at http://www.bls.gov/oes/current/oes_nat.htm#13-0000 for the most current wage information.

Florida Education and Training Placement Information Program and Gainful Employment Data

The Florida Education and Training Placement Information Program (FETPIP) is a data collection and consumer reporting system established by Florida Statutes Section 1008.39 to provide follow-up data on former students and program participants who have graduated, exited or completed a public education or training program within the State of Florida. The links below provide the most current FETPIP reports available for the College of Central Florida.

Gainful Employment

The U.S. Department of Education under the Higher Education Act of 1965, as amended, requires reporting of disclosure information on Gainful Employment programs. Gainful Employment programs include only programs of at least one-academic year in length, lead to a certificate or other nondegree recognized credential, and prepare students for gainful employment in a recognized occupation. For more information on the college’s Gainful Employment programs, please consult the college website at: http://www.cf.edu/departments/instruction/workforce/gainfulemployment.htm

Alternative Certification Program

The Alternative Certification Program is offered through the Educator Preparation Institute to those seeking teacher certification with a bachelor’s degree or above in a noneducation major. Course credits are transportable between state-approved Educator Preparation Institutes, but not transferable.

Requirements and courses are listed in the Educator Preparation Institute section on page 137.

Associate in Science Degree and College Credit Certificate Programs

Accounting Technology on page 96
A.S. Degree in Accounting Technology
College Credit Certificate in Accounting Technology Management

Agribusiness Management on page 97
A.S. Degree in Agribusiness Management — Horticulture/Equine Specialization

Automotive Service Technology on page 127
A.S. Degree in Automotive Service Management Technology

2006–2007 FETPIP Data
www.cf.edu/about/fetpip/2006-07as.htm
www.cf.edu/about/fetpip/2006-07psav.htm
www.cf.edu/about/fetpip/2006-07psvc.htm

2007–2008 FETPIP Data
www.cf.edu/about/fetpip/2007-08as.htm
www.cf.edu/about/fetpip/2007-08psav.htm
www.cf.edu/about/fetpip/2007-08psvc.htm

2008–2009 FETPIP Data
www.cf.edu/about/fetpip/2008-09as.htm
www.cf.edu/about/fetpip/2008-09psav.htm
www.cf.edu/about/fetpip/2008-09psvc.htm
Business Administration on page 98
  A.S. Degree in Business Management, Marketing and Administration
College Credit Certificate in Business Administration — Business Management
College Credit Certificate in Business Administration — Finance Management
College Credit Certificate in Business Administration — Marketing Specialization
College Credit Certificate in Business Administration — Small Business/Entrepreneurship
College Credit Certificate in Business Operations
A.S. to B.S. Degree in Business Administration
Business Management — Event Planning on page 102
  College Credit Certificate in Business Management — Event Planning
Computer Information Technology on page 102
  A.S. Degree in Computer Information Technology
College Credit Certificate in Information Technology — Analysis
College Credit Certificate in Information Technology — Support Specialist
Criminal Justice Technology on page 104
  A.S. Degree in Criminal Justice Technology
Dental Assisting Technology and Management on page 104
  A.S. Degree in Dental Assisting — Dental Practice Management
A.S. Degree in Dental Assisting — Education
A.S. Degree in Dental Assisting — Marketing
Drafting and Design Technology on page 105
  A.S. Degree in Drafting and Design Technology — Architectural
A.S. Degree in Drafting and Design Technology — Mechanical
College Credit Certificate in Drafting
Early Childhood Education on page 107
  A.S. Degree in Early Childhood Education
College Credit Certificate in Child Care Center Management
College Credit Certificate in Child Development: Early Intervention
Emergency Medical Services on page 108
  A.S. Degree in Emergency Medical Services
College Credit Certificate in Emergency Medical Technician (Basic)
College Credit Certificate in Paramedic
Engineering Technology on page 110
  A.S. Degree in Engineering Technology — Quality Specialization
College Credit Certificate in Alternative Energy
College Credit Certificate in Computer-Aided Drafting and Design
College Credit Certificate in Lean Six Sigma Green Belt
College Credit Certificate in Engineering Technology — Support Specialist

Equine Studies on page 111
  A.S. Degree in Equine Studies — Business Management Specialization
A.S. Degree in Equine Studies — Equine Exercise Physiology
College Credit Certificate in Equine Assistant Manager
Fire Science Technology on page 113
  A.S. Degree in Fire Science Technology
A.S. Degree in Fire Science Technology — FESHE Compliant Track
Health Information Technology on page 114
  A.S. Degree in Health Information Technology
Landscape and Horticulture Technology on page 114
  A.S. Degree in Landscape and Horticulture Technology — Horticulture Specialization
College Credit Certificate in Landscape and Horticulture Technology — Horticulture Technician
A.S. Degree in Landscape and Horticulture Technology — Landscape Design Option
College Credit Certificate in Landscape and Horticulture Technology — Landscape Technician
Nursing on page 116
  A.S. Degree in Nursing — LPN to ADN Bridge Program
A.S. to B.S. Degree in Nursing
Office Administration on page 119
  A.S. Degree in Office Administration — Legal Office Specialization
A.S. Degree in Office Administration — Medical Office Administration
A.S. Degree in Office Administration — Office Management
A.S. Degree in Office Administration — Office Software Applications
College Credit Certificate in Office Support
College Credit Certificate in Office Specialist
College Credit Certificate in Office Management
Paralegal on page 122
  A.S. Degree in Paralegal
Physical Therapist Assistant on page 123
  A.S. Degree in Physical Therapist Assistant
Radiography (In cooperation with CTAE) on page 124
  A.S. Degree in Radiography

Applied Technology Diploma
Dental Assisting on page 125

Postsecondary Adult Vocational Certificate Programs
Air Conditioning, Refrigeration and Heating Technology on page 126
Automotive Collision Repair and Refinishing on page 126
Automotive Service Technology on page 127
Barbering on page 127
Commercial Vehicle Driving on page 127
Correctional Officer on page 128
Cosmetology on page 129
Law Enforcement Officer on page 129
Practical Nursing on page 130
Surgical Technology on page 130
Applied Welding Technologies on page 131
Baccalaureate Degrees
Bachelor of Applied Science in Business and Organizational Management on page 132
- Business and Organizational Management
- Business and Organizational Management — Agribusiness Management Specialization
- Business and Organizational Management — Health Care Management Specialization
- Business and Organizational Management — Management Information Systems Specialization
- Business and Organizational Management — Public Safety Administration Specialization

Bachelor of Science in Early Childhood Education on page 135

Accounting Technology
2210: A.S. Degree in Accounting Technology (64 Credit Hours)

CIP: 52.0302
FL CIP: 1552030200
SOC: 43-3031
Entry Wage: $10.51/hour

The Accounting Technology program prepares individuals for employment as accounting paraprofessionals in professional accounting occupations that require analysis, theory and design of accounting procedures and applications. The program content provides training in the principles, procedures and theories of organizing, maintaining and evaluating business and financial transactions and the preparation of accompanying financial records and reports for internal and external use.

Although scheduling may not always provide for the following progression of courses, students should use the foundation, intermediate and specialization course sequence as a guide for program planning.

Program Core Courses

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>OST 2335</td>
<td>Business Communications or</td>
<td>3</td>
</tr>
<tr>
<td>ENC 1102</td>
<td>Freshman Composition II</td>
<td>3</td>
</tr>
<tr>
<td>CGS 1100</td>
<td>Microcomputer Applications</td>
<td>3</td>
</tr>
<tr>
<td>ACG 2021</td>
<td>Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>GEB 1011</td>
<td>Introduction to Business</td>
<td>3</td>
</tr>
<tr>
<td>ACG 2071</td>
<td>Managerial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ECO 2013</td>
<td>Principles of Economics — Macro</td>
<td>3</td>
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Intermediate Courses

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course 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>MAN 2021</td>
<td>Principles of Management</td>
<td>3</td>
</tr>
<tr>
<td>ECO 2023</td>
<td>Principles of Economics — Micro</td>
<td>3</td>
</tr>
<tr>
<td>CGS 2103</td>
<td>Spreadsheet Applications</td>
<td>3</td>
</tr>
<tr>
<td>ACG 1949</td>
<td>Co-op Work Experience^2</td>
<td>3</td>
</tr>
</tbody>
</table>

Program Electives

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACG 2450</td>
<td>Integrated Accounting (QuickBooks)</td>
<td>3</td>
</tr>
<tr>
<td>ACG2021L</td>
<td>Financial Accounting Lab</td>
<td>1</td>
</tr>
<tr>
<td>ACO 1807</td>
<td>Payroll Accounting</td>
<td>3</td>
</tr>
<tr>
<td>TAX 2000</td>
<td>Federal Income Tax I</td>
<td>3</td>
</tr>
<tr>
<td>TAX 2010</td>
<td>Federal Income Tax II</td>
<td>3</td>
</tr>
<tr>
<td>ACG 2100</td>
<td>Intermediate Accounting</td>
<td>3</td>
</tr>
</tbody>
</table>

General Education Courses

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101</td>
<td>Freshman Composition Skills I</td>
<td>3</td>
</tr>
<tr>
<td>QMB 1001**</td>
<td>College Business Mathematics</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Biological or Physical Science</td>
<td>3</td>
</tr>
</tbody>
</table>

One of the following options: (To satisfy Social Science and Humanities requirements)

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISS 1013</td>
<td>Introduction to the Social Sciences and Humanities</td>
<td>6</td>
</tr>
<tr>
<td>HUM 1020</td>
<td>Introduction to the Humanities</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>OR</td>
<td></td>
</tr>
<tr>
<td>WOH 2012</td>
<td>World Civilizations I and either</td>
<td></td>
</tr>
<tr>
<td>HUM 1020</td>
<td>Introduction to the Humanities or</td>
<td></td>
</tr>
<tr>
<td>HUM 1230</td>
<td>Introduction to the Humanities: Since the Renaissance</td>
<td></td>
</tr>
<tr>
<td></td>
<td>OR</td>
<td></td>
</tr>
<tr>
<td>WOH 2022</td>
<td>World Civilizations II and either</td>
<td></td>
</tr>
<tr>
<td>HUM 1020</td>
<td>Introduction to the Humanities or</td>
<td></td>
</tr>
<tr>
<td>HUM 1210</td>
<td>Introduction to the Humanities: To the Renaissance</td>
<td></td>
</tr>
</tbody>
</table>

Total Credit Hours 64


^2 Co-op Prerequisites: ACG 2021 Financial Accounting, ACG 2071 Managerial Accounting.

ACG2021L labs are intended for all Accounting Technology A.S. degree students as well as for all Business Administration A.A. degree students. ACG2021L labs serve as an elective for students who follow a program of study based on a CF catalog prior to the 2010–2011 academic year.

^3 MAC 1105 College Algebra is recommended for students planning to enroll in the college's baccalaureate degree programs.

MAC 1105 College Algebra is recommended for students planning to enroll in the college's baccalaureate degree programs.
Accounting Technology Management

6245: College Credit Certificate in Accounting Technology Management (27 Credit Hours)

CIP: 52.0302
FL CIP: 0552030205
SOC: 43-3031
Entry Wage: $10.51/hour

Accounting Applications is a one-year College Credit Certificate program designed to prepare students for entry-level employment in an office environment where skills in using accounting and office procedures are required. This certificate provides training for students with limited time to prepare for the job market who can devote daily, concentrated effort toward a career goal.

Program Core Courses

<table>
<thead>
<tr>
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<th>Course Title</th>
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<td>OST 2335</td>
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<td>3</td>
</tr>
<tr>
<td>ENC 1101</td>
<td>Freshman Composition Skills I</td>
<td>3</td>
</tr>
<tr>
<td>QMB 1001**</td>
<td>Business Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>ACG 2450</td>
<td>Integrated Accounting (QuickBooks)</td>
<td>3</td>
</tr>
<tr>
<td>CGS 1100</td>
<td>Microcomputer Applications</td>
<td>3</td>
</tr>
<tr>
<td>ACG 2021</td>
<td>Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>GEB 1011</td>
<td>Introduction to Business</td>
<td>3</td>
</tr>
<tr>
<td>ACG 2071</td>
<td>Managerial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ACO1807</td>
<td>Payroll Accounting</td>
<td>3</td>
</tr>
<tr>
<td>TAX 2000</td>
<td>Federal Income Tax I or</td>
<td>3</td>
</tr>
<tr>
<td>TAX 2010</td>
<td>Federal Income Tax II</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credit Hours 27

**MAC 1105 College Algebra is recommended for students planning to enroll in the college’s baccalaureate degree programs.

Agribusiness Management – Horticulture/Equine Specialization

2299: A.S. Degree in Agribusiness Management – Horticulture/Equine Specialization (60 Credit Hours)

CIP: 01.0102
FL CIP: 1101010100
SOC: 11-9011
Entry Wage: $32.54/hour

The Agribusiness Management — Horticulture/ Equine Specialization program prepares students for employment as an agricultural professional, manager or supervisor. The content includes, but is not limited to, instruction that prepares individuals to apply the economic and business principles involved in the organization, operation and management of agricultural businesses. Subject areas include finance, law, marketing, and equipment and facilities management.

Program Core Courses

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANS 1003</td>
<td>Introduction to Animal Science</td>
<td>3</td>
</tr>
<tr>
<td>ORH 1601C</td>
<td>Retail and Wholesale Nursery Operations</td>
<td>3</td>
</tr>
<tr>
<td>ORH 1260L</td>
<td>Greenhouse Operations Laboratory</td>
<td>2</td>
</tr>
<tr>
<td>ORH 1301C</td>
<td>Introduction to Irrigation</td>
<td>3</td>
</tr>
<tr>
<td>ORH 1113C</td>
<td>Pest and Disease Control</td>
<td>3</td>
</tr>
<tr>
<td>ORH 1949</td>
<td>Horticulture Cooperative Education or</td>
<td>3</td>
</tr>
<tr>
<td>ANS 1949</td>
<td>Equine Cooperative Education</td>
<td>3</td>
</tr>
<tr>
<td>AEB 2137C</td>
<td>Equine Business Management</td>
<td>3</td>
</tr>
<tr>
<td>ANS 1222</td>
<td>Equine Sales and Marketing</td>
<td>3</td>
</tr>
<tr>
<td>ANS 1930</td>
<td>Special Topics — Equine Studies</td>
<td>1</td>
</tr>
<tr>
<td>APA 1111</td>
<td>Business Accounting</td>
<td>3</td>
</tr>
<tr>
<td>MNA 2141</td>
<td>Basic Leadership/Supervisory Skills</td>
<td>3</td>
</tr>
</tbody>
</table>

General Education Courses

**One of the following options:** (To satisfy Social Science and Humanities requirements)

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISS 1013</td>
<td>Introduction to the Social Sciences and Humanities</td>
<td>3</td>
</tr>
<tr>
<td>HUM 1020</td>
<td>Introduction to the Humanities OR</td>
<td>3</td>
</tr>
<tr>
<td>WOH 2012</td>
<td>World Civilizations I and either</td>
<td>6</td>
</tr>
<tr>
<td>HUM 1230</td>
<td>Introduction to the Humanities: Since the Renaissance OR</td>
<td>3</td>
</tr>
<tr>
<td>WOH 2022</td>
<td>World Civilizations II and either</td>
<td>3</td>
</tr>
<tr>
<td>HUM 1020</td>
<td>Introduction to the Humanities or</td>
<td>3</td>
</tr>
<tr>
<td>HUM 1210</td>
<td>Introduction to the Humanities: To the Renaissance</td>
<td>3</td>
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Program Electives

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEB 1011</td>
<td>Introduction to Business or</td>
<td>3</td>
</tr>
<tr>
<td>GEB 2350</td>
<td>Introduction to International Business</td>
<td>3</td>
</tr>
<tr>
<td>ECO 2013</td>
<td>Principles of Economics — Macro or</td>
<td>3</td>
</tr>
<tr>
<td>ECO 2023</td>
<td>Principles of Economics — Micro</td>
<td>3</td>
</tr>
<tr>
<td>BUL 2241</td>
<td>Business Law I</td>
<td>3</td>
</tr>
<tr>
<td>CGS 1100</td>
<td>Microcomputer Applications</td>
<td>3</td>
</tr>
<tr>
<td>GEB 2430</td>
<td>Ethics in Management</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credit Hours 60

**MAC 1105 College Algebra is recommended for students planning to enroll in the college’s baccalaureate degree programs.**
Automotive Service Management Technology

2282: A.S. Degree in Automotive Service Management Technology (68 Credit Hours)

**CIP:** 47.0604  
**FL CIP:** 1615080300  
**SOC:** 49-3023  
**Entry Wage:** $14.47/hour

The two-year Automotive Service Management Technology program is designed to prepare students for industry certification and employment as automotive/light truck technicians at area dealerships, independent garages or other automotive repair facilities. Instruction is provided in the diagnosis, repair and service of internal combustion engines, including fuel emissions, brake, drive train, steering, suspension, transmission, electrical, electronic, and computerized control systems. The program also includes instruction in safe and efficient work practices, troubleshooting skills, and service and maintenance of automobiles and light trucks. Students will also be instructed in techniques to develop the people skills essential for job success. Classroom instruction and shop experiences will be the primary delivery systems.

**Program Core Courses**

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AER 1081</td>
<td>Automotive Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>AER 1198</td>
<td>Engines</td>
<td>4</td>
</tr>
<tr>
<td>AER 2330</td>
<td>Clutch and Transmissions</td>
<td>4</td>
</tr>
<tr>
<td>AER 1690</td>
<td>Automotive Electrical Systems I</td>
<td>4</td>
</tr>
<tr>
<td>AER 2840C</td>
<td>Fuel and Emissions Control Systems</td>
<td>4</td>
</tr>
<tr>
<td>AER 1798C</td>
<td>Air Conditioning and Heating</td>
<td>4</td>
</tr>
<tr>
<td>AER 1598</td>
<td>Brake Systems</td>
<td>4</td>
</tr>
<tr>
<td>AER 1498</td>
<td>Steering and Suspension</td>
<td>4</td>
</tr>
<tr>
<td>AER 2695C</td>
<td>Automotive Electrical Systems II</td>
<td>3</td>
</tr>
<tr>
<td>AER 2820C</td>
<td>Drivability and Diagnosis</td>
<td>4</td>
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<tr>
<td>AER 2298</td>
<td>Advanced Automatic Transmissions</td>
<td>4</td>
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</table>

**General Education Courses**

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>ENC 1101</td>
<td>Freshman Composition Skills I</td>
<td>3</td>
</tr>
<tr>
<td>QMB 1001**</td>
<td>College Business Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>PHY 1020</td>
<td>Physics for Nonscience Fields or Any Physical Science</td>
<td>3</td>
</tr>
<tr>
<td>SPC 2608</td>
<td>Effective Speaking</td>
<td>3</td>
</tr>
<tr>
<td>CGS 1100</td>
<td>Microcomputer Applications</td>
<td>3</td>
</tr>
</tbody>
</table>

**One of the following options:** (To satisfy Social Science and Humanities requirements)

- ISS 1013 Introduction to the Social Sciences  
- HUM 1020 Introduction to the Humanities  
- WOH 2012 World Civilizations I and either HUM 1020 Introduction to the Humanities  
- HUM 1230 Introduction to the Humanities: Since the Renaissance  

**Program Electives**

- Elective  
- Total Credit Hours 68

*MAC 1105 College Algebra is recommended for students planning to enroll in the college’s baccalaureate degree programs.

**Recommended Elective:** AER 1949 Automotive Technology Co-op.

Business Administration

Business Administration programs train individuals to assume management or supervisory roles in business, industry and government. This program provides basic skills in a variety of fields commonly needed in management positions, including communications, management, accounting, computer usage and marketing.

Business Management, Marketing and Administration

2305: A.S. Degree in Business Management, Marketing and Administration (64 Credit Hours)

**CIP:** 52.0201  
**FL CIP:** 1552020102  
**SOC:** 11-1021  
**Entry Wage:** $12.80/hour

The Associate in Science degree in Business Management, Marketing and Administration program includes business and general education courses designed to provide a career in business or further study. The program prepares graduates for entry into a career in business or the opportunity to transfer into a Bachelor of Applied Science.
### Program Courses

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CGS 1100</td>
<td>Microcomputer Applications</td>
<td>3</td>
</tr>
<tr>
<td>OST 2335</td>
<td>Business Communications or</td>
<td>3</td>
</tr>
<tr>
<td>ENC 1102**</td>
<td>Freshman Composition Skills II</td>
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<td>Basic Leadership/Supervisory Skills or</td>
<td>3</td>
</tr>
<tr>
<td>MAN 2021</td>
<td>Principles of Management</td>
<td>3</td>
</tr>
<tr>
<td>APA 1111 or</td>
<td>Business Accounting or</td>
<td>3</td>
</tr>
<tr>
<td>ACG 2021</td>
<td>Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>OST 1384</td>
<td>Customer Service</td>
<td>3</td>
</tr>
<tr>
<td>BUL 2241</td>
<td>Business Law</td>
<td>3</td>
</tr>
<tr>
<td>GEB 1011</td>
<td>Introduction to Business</td>
<td>3</td>
</tr>
<tr>
<td>GEB 2430</td>
<td>Ethics in Management</td>
<td>3</td>
</tr>
<tr>
<td>ACG 2071</td>
<td>Managerial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ECO 2023</td>
<td>Principles of Economics — Micro</td>
<td>3</td>
</tr>
<tr>
<td>ECO 2013</td>
<td>Principles of Economics — Macro</td>
<td>3</td>
</tr>
<tr>
<td>CGS 2103</td>
<td>Spreadsheet Applications</td>
<td>3</td>
</tr>
<tr>
<td>MAR 2011</td>
<td>Principles of Marketing</td>
<td>3</td>
</tr>
<tr>
<td>MAN 1949</td>
<td>Co-op Work Experience</td>
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</tr>
<tr>
<td></td>
<td>Business and Technology Electives¹</td>
<td>7</td>
</tr>
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</table>

¹Recommended Electives: FIN 2100 Personal Finance, OST 1100 Professional Keyboarding I, GEB 2380 Introduction to International Business, MKA 2021 Sales, Marketing and Advertising.

### General Education Courses

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101</td>
<td>Freshman Composition Skills I</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Any Biological or Physical Science</td>
<td>3</td>
</tr>
<tr>
<td>QMB 1001 or</td>
<td>College Business Mathematics or</td>
<td>3</td>
</tr>
<tr>
<td>MAC 1105**</td>
<td>College Algebra</td>
<td>3</td>
</tr>
</tbody>
</table>

### One of the following options: (To satisfy Social Science and Humanities requirements)

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISS 1013</td>
<td>Introduction to the Social Sciences and</td>
</tr>
<tr>
<td></td>
<td>OR</td>
</tr>
<tr>
<td>HUM 1020</td>
<td>Introduction to the Humanities</td>
</tr>
<tr>
<td>HUM 1230</td>
<td>Introduction to the Humanities: Since the Renaissance</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>WOH 2012</td>
<td>World Civilizations I and either</td>
</tr>
<tr>
<td></td>
<td>OR</td>
</tr>
<tr>
<td>HUM 1020</td>
<td>Introduction to the Humanities</td>
</tr>
<tr>
<td>HUM 1210</td>
<td>Introduction to the Humanities: To the Renaissance</td>
</tr>
</tbody>
</table>

Total Credit Hours 64

### Program Electives

Choose an additional 3 credit hours from the courses listed below:

- BUL 2241   Business Law I
- ACG 2071  Managerial Accounting
- ECO 2013  Principles of Economics — Macro
- MAR 2011  Principles of Marketing
- OST 1100   Professional Keyboarding I
- MKA 2021 Sales, Marketing and Advertising
- GEB 2430  Ethics in Management
- ECO 2023  Principles of Economics — Micro
- CGS 2103  Spreadsheet Applications
- FIN 2100  Personal Finance
- GEB 2350  Introduction to International Business

Total Credit Hours 24

Operations will provide students with enhanced skills in specialty areas. The purpose of the certificate programs is to prepare the student for entry-level employment in marketing, management, finance or entrepreneurial positions in a variety of business environments and/or to provide supplemental training for persons currently employed. These certificates will satisfy many requirements for the A.S. degree in Business Management, Marketing and Administration.

### Business Administration – Business Management

**6241: College Credit Certificate in Business Administration — Business Management (24 Credit Hours)**

- CIP: 52.0201
- FL CIP: 0552070101
- SOC: 11-1020
- Entry Wage: $12.80/hour

The Business Management program is designed to prepare students for effective management of a small business as either employee or owner. Students will gain proficiency on the management and operational skills necessary to be self-employed entrepreneurs or effective middle management staff.

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEB 1011</td>
<td>Introduction to Business</td>
<td>3</td>
</tr>
<tr>
<td>OST 1384</td>
<td>Customer Service</td>
<td>3</td>
</tr>
<tr>
<td>CGS 1100</td>
<td>Microcomputer Applications</td>
<td>3</td>
</tr>
<tr>
<td>QMB 1001 or</td>
<td>College Business Mathematics or</td>
<td>3</td>
</tr>
<tr>
<td>MAC 1105**</td>
<td>College Algebra</td>
<td>3</td>
</tr>
<tr>
<td>ENC 1101</td>
<td>Freshman Composition Skills II</td>
<td>3</td>
</tr>
<tr>
<td>APA 1111 or</td>
<td>Business Accounting or</td>
<td>3</td>
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<tr>
<td>ACG 2021</td>
<td>Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>MNA 2141</td>
<td>Basic Leadership/Supervisory Skills or</td>
<td>3</td>
</tr>
</tbody>
</table>

Total 21

**MAC 1105 College Algebra is recommended for students planning to enroll in the college's baccalaureate degree programs.**

---

**Programs of Study**
Programs of Study

Business Administration – Finance Management

6269: College Credit Certificate in Business Administration – Finance Management (24 Credit Hours)

**CIP:** 52.0201  
**FL CIP:** 05502070101  
**SOC:** 11-1020  
**Entry Wage:** $12.80/hour

The Finance Management program will provide students with the business knowledge, skills and expertise needed for entry-level positions in financial institutions.

**Program Courses**

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CGS 2103</td>
<td>Spreadsheet Applications</td>
<td>3</td>
</tr>
<tr>
<td>ENC 1101</td>
<td>Freshman Composition Skills I</td>
<td>3</td>
</tr>
<tr>
<td>QMB 1001 or</td>
<td>College Business Mathematics or</td>
<td>3</td>
</tr>
<tr>
<td>MAC 1105**</td>
<td>College Algebra</td>
<td>3</td>
</tr>
<tr>
<td>CGS 1100</td>
<td>Microcomputer Applications</td>
<td>3</td>
</tr>
<tr>
<td>MNA 2141 or</td>
<td>Basic Leadership/Supervisory Skills or</td>
<td>3</td>
</tr>
<tr>
<td>MAN 2021</td>
<td>Principles of Management</td>
<td>3</td>
</tr>
<tr>
<td>ACG 2021 or</td>
<td>Financial Accounting or</td>
<td>3</td>
</tr>
<tr>
<td>APA 1111</td>
<td>Business Accounting</td>
<td>3</td>
</tr>
<tr>
<td>FIN 2100</td>
<td>Personal Finance</td>
<td>3</td>
</tr>
<tr>
<td>OST 1384</td>
<td>Customer Service</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Credit Hours 24**

"MAC 1105 College Algebra is recommended for students planning to enroll in the college's baccalaureate degree programs.

Business Administration – Marketing Specialization

6246: College Credit Certificate in Business Administration – Marketing Specialization (24 Credit Hours)

**CIP:** 52.0201  
**FL CIP:** 0552070101  
**SOC:** 11-1020  
**Entry Wage:** $12.80/hour

This program instructs students in the areas of planning, organizing, directing and controlling of a business, with emphasis on selected theories of management and decision making, and the knowledge and understanding necessary for managing people and functions.

**Program Courses**

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MKA 2021</td>
<td>Sales, Marketing and Advertising</td>
<td>3</td>
</tr>
<tr>
<td>ENC 1101</td>
<td>Freshman Composition Skills I</td>
<td>3</td>
</tr>
<tr>
<td>QMB 1001 or</td>
<td>College Business Mathematics or</td>
<td>3</td>
</tr>
<tr>
<td>MAC 1105**</td>
<td>College Algebra</td>
<td>3</td>
</tr>
<tr>
<td>CGS 1100</td>
<td>Microcomputer Applications</td>
<td>3</td>
</tr>
<tr>
<td>MNA 2141 or</td>
<td>Basic Leadership/Supervisory Skills or</td>
<td>3</td>
</tr>
<tr>
<td>MAN 2021</td>
<td>Principles of Management</td>
<td>3</td>
</tr>
<tr>
<td>ACG 2021 or</td>
<td>Financial Accounting or</td>
<td>3</td>
</tr>
<tr>
<td>APA 1111</td>
<td>Business Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ENC 1101</td>
<td>Freshman Composition Skills I</td>
<td>3</td>
</tr>
<tr>
<td>MAC 1105**</td>
<td>College Algebra</td>
<td>3</td>
</tr>
<tr>
<td>CGS 1100</td>
<td>Microcomputer Applications</td>
<td>3</td>
</tr>
<tr>
<td>MNA 2141 or</td>
<td>Basic Leadership/Supervisory Skills or</td>
<td>3</td>
</tr>
<tr>
<td>MAN 2021</td>
<td>Principles of Management</td>
<td>3</td>
</tr>
<tr>
<td>GEB 2430</td>
<td>Ethics in Management</td>
<td>3</td>
</tr>
<tr>
<td>ECO 2023</td>
<td>Principles of Economics — Micro</td>
<td>3</td>
</tr>
<tr>
<td>CGS 2103</td>
<td>Spreadsheet Applications</td>
<td>3</td>
</tr>
<tr>
<td>ACG 2021</td>
<td>Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>MNA 2141</td>
<td>Basic Leadership/Supervisory Skills or</td>
<td>3</td>
</tr>
<tr>
<td>GEB 2350</td>
<td>Introduction to International Business</td>
<td>3</td>
</tr>
</tbody>
</table>

**Program Electives Total 3**

**Total Program Credit Hours 24**

"MAC 1105 College Algebra is recommended for students planning to enroll in the college's baccalaureate degree programs.

Business Administration – Small Business/Entrepreneurship

6270: College Credit Certificate in Business Administration – Small Business/Entrepreneurship (24 Credit Hours)

**CIP:** 52.0201  
**FL CIP:** 0552070101  
**SOC:** 11-1020  
**Entry Wage:** $12.80/hour

This program is designed to prepare the student with entry-level current and future small business ownership or entrepreneurship management skills. The program provides the student with basic business and financial skills.

**Program Courses**

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101</td>
<td>Freshman Composition Skills I</td>
<td>3</td>
</tr>
<tr>
<td>APA 1111</td>
<td>Business Accounting</td>
<td>3</td>
</tr>
<tr>
<td>GEB 1011</td>
<td>Introduction to Business</td>
<td>3</td>
</tr>
<tr>
<td>FIN 2100</td>
<td>Personal Finance</td>
<td>3</td>
</tr>
<tr>
<td>MKA 2021 or</td>
<td>Sales, Marketing and Advertising or</td>
<td>3</td>
</tr>
<tr>
<td>GEB 2935</td>
<td>Survey of Electronic Business</td>
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<tr>
<td>CGS 1100</td>
<td>Microcomputer Applications</td>
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<tr>
<td>SBM 2000</td>
<td>Small Business Management</td>
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</table>

**Total 21**

**Program Electives**

Choose an additional 3 credit hours from the courses listed below:

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUL 2241</td>
<td>Business Law I</td>
<td>3</td>
</tr>
<tr>
<td>OST 1384</td>
<td>Customer Service</td>
<td>3</td>
</tr>
<tr>
<td>ECO 2013</td>
<td>Principles of Economics — Macro</td>
<td>3</td>
</tr>
<tr>
<td>MAR 2011</td>
<td>Principles of Marketing</td>
<td>3</td>
</tr>
<tr>
<td>OST 1100</td>
<td>Professional Keyboarding I</td>
<td>3</td>
</tr>
<tr>
<td>MAN 2021</td>
<td>Principles of Management</td>
<td>3</td>
</tr>
<tr>
<td>GEB 2430</td>
<td>Ethics in Management</td>
<td>3</td>
</tr>
<tr>
<td>ECO 2023</td>
<td>Principles of Economics — Micro</td>
<td>3</td>
</tr>
<tr>
<td>CGS 2103</td>
<td>Spreadsheet Applications</td>
<td>3</td>
</tr>
<tr>
<td>ACG 2021</td>
<td>Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>MNA 2141</td>
<td>Basic Leadership/Supervisory Skills or</td>
<td>3</td>
</tr>
<tr>
<td>GEB 2350</td>
<td>Introduction to International Business</td>
<td>3</td>
</tr>
</tbody>
</table>

**Program Electives Total 3**

**Total Program Credit Hours 24**

"MAC 1105 College Algebra is recommended for students planning to enroll in the college's baccalaureate degree programs."
Business Operations

6271: College Credit Certificate in Business Operations (18 Credit Hours)

CIP: 52.0499
FL CIP: 0552020104
SOC: 41-1011
Entry Wage: $17.43/hour

This program is designed for students seeking specialized training to prepare for employment or to enhance their skills in the fields of management, business, and industry and retail. The program instructs students in the areas of planning, organizing, directing and controlling a business. Selected theories of business operations and decision making are emphasized. Students will obtain the knowledge, skills and understanding for effective management functions.

CIP: 0506040104

Program Courses

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>QMB 1001</td>
<td>College Business Mathematics or</td>
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</tr>
<tr>
<td>MAC 1105**</td>
<td>College Algebra</td>
<td>3</td>
</tr>
<tr>
<td>CGS 1100</td>
<td>Microcomputer Applications</td>
<td>3</td>
</tr>
<tr>
<td>ENC 1101</td>
<td>Freshman Composition Skills I</td>
<td>3</td>
</tr>
<tr>
<td>OST 1384</td>
<td>Customer Service</td>
<td>3</td>
</tr>
<tr>
<td>ACG 2021 **</td>
<td>Financial Accounting or Business Accounting</td>
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</tr>
<tr>
<td>APA 1111</td>
<td>Business Administration</td>
<td>3</td>
</tr>
<tr>
<td>MNA 2141 or</td>
<td>Basic Leadership/Supervisory Skills or</td>
<td>3</td>
</tr>
<tr>
<td>MAN 2021</td>
<td>Principles of Management</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Credit Hours 18**

**MAC 1105 College Algebra and ACG 2021 Financial Accounting are recommended for students planning to enroll in the college's baccalaureate degree programs.

Contact your Business and Technology advisor 854-2322, ext. 1593, to review your transcript and determine your progress toward a certificate or degree.

Business Administration

2156: A.S. to B.S. Degree in Business Administration (64 Credit Hours)

CIP: 52.0201
FL CIP: 1552020102
SOC: 11-1021
Entry Wage: $12.80/hour

This program will help students develop managerial knowledge and become valuable assets to any company. Instruction in this program provides a balanced curriculum of general education and business-related subjects. The A.S. to B.S. model provides students the opportunity for a seamless transfer to a bachelor’s degree program. Students wishing to transfer any credits from this program to another institution or related area program must accept the responsibility for obtaining approval in advance to the transfer institution.

Program Courses

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>GEB 2430</td>
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</tr>
<tr>
<td>MAC 2233</td>
<td>Calculus for Business and Social Science</td>
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</tr>
<tr>
<td>CGS 1100</td>
<td>Microcomputer Applications</td>
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</tr>
<tr>
<td>ACG 2021</td>
<td>Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>BUL 2241</td>
<td>Business Law</td>
<td>3</td>
</tr>
<tr>
<td>GEB 1011</td>
<td>Introduction to Business</td>
<td>3</td>
</tr>
<tr>
<td>ENC 1102</td>
<td>Freshman Composition Skills II</td>
<td>3</td>
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<td>MAN 2021</td>
<td>Principles of Management</td>
<td>3</td>
</tr>
<tr>
<td>ACG 2071</td>
<td>Managerial Accounting</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>CGS 2103</td>
<td>Spreadsheet Applications</td>
<td>3</td>
</tr>
<tr>
<td>ECO 2013</td>
<td>Principles of Economics — Macro</td>
<td>3</td>
</tr>
<tr>
<td>MAR 2011</td>
<td>Principles of Marketing</td>
<td>3</td>
</tr>
<tr>
<td>ACG 1949</td>
<td>Co-op Work Experience or</td>
<td>3</td>
</tr>
<tr>
<td>MAN 1949</td>
<td>Co-op Work Experience</td>
<td>3</td>
</tr>
<tr>
<td>STA 2023</td>
<td>Elementary Statistics</td>
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General Education Core

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ENC 1101</td>
<td>Freshman Composition Skills I</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Any Biological or Physical Science</td>
<td>3</td>
</tr>
<tr>
<td>MAC 1105</td>
<td>College Algebra</td>
<td>3</td>
</tr>
<tr>
<td>SPC 2608</td>
<td>Effective Speaking</td>
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One of the following options: (To satisfy Social Science and Humanities requirements)

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISS 1013</td>
<td>Introduction to the Social Sciences and</td>
<td></td>
</tr>
<tr>
<td>HUM 1020</td>
<td>Introduction to the Humanities</td>
<td></td>
</tr>
<tr>
<td></td>
<td>OR</td>
<td></td>
</tr>
<tr>
<td>HUM 1230</td>
<td>Introduction to the Humanities: Since the</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Renaissance</td>
<td></td>
</tr>
<tr>
<td></td>
<td>OR</td>
<td></td>
</tr>
<tr>
<td>WOH 2022</td>
<td>World Civilizations II and either</td>
<td></td>
</tr>
<tr>
<td>HUM 1020</td>
<td>Introduction to the Humanities or</td>
<td></td>
</tr>
<tr>
<td>HUM 1210</td>
<td>Introduction to the Humanities: To the</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Renaissance</td>
<td></td>
</tr>
</tbody>
</table>

Total Credit Hours 64


ACG2021L labs are intended for all Accounting Technology A.S. degree students as well as for all Business Administration A.A. degree students. ACG2021L labs serve as an elective for students who follow a program of study based on a CF catalog prior to the 2010–2011 academic year.

**Business Management – Event Planning**

6282: College Credit Certificate In Business Management – Event Planning (24 Credit Hours)

**CIP:** 52.0201  
**FL CIP:** 05S2070101  
**SOC:** 11-1020  
**Entry Wage:** $12.80/hour

This program is designed for students seeking specialized training in event planning in the fields of business, industry, and equine. Students should choose one of two tracks, the Equine Track or the Conference Planning Track. Students complete core classes to develop an understanding of business aspects of events and event planning.

**Program Core Courses**

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>OST 1384</td>
<td>Customer Service</td>
<td>3</td>
</tr>
<tr>
<td>OST 2335</td>
<td>Business Communications</td>
<td>3</td>
</tr>
<tr>
<td>MNA 2141</td>
<td>Basic Leadership/Supervisory Skills</td>
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</tr>
<tr>
<td>APA 1111</td>
<td>Business Accounting or</td>
<td></td>
</tr>
<tr>
<td>QMB 1001**</td>
<td>College Business Mathematics</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Cooperative Education</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total**  
15

**Equine Event Planning**

Classes will provide a background in the diversity of equine competition and essential components of the equine industry.

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANS 1236</td>
<td>Introduction to Equine Science</td>
<td>3</td>
</tr>
<tr>
<td>ANS 1220</td>
<td>Equine Sport and Competition</td>
<td>2</td>
</tr>
<tr>
<td>ANS 1222</td>
<td>Equine Sales and Marketing</td>
<td>3</td>
</tr>
<tr>
<td>ANS 1930</td>
<td>Equine Special Topics Event Management</td>
<td>1</td>
</tr>
</tbody>
</table>

**Total**  
9

**OR**

**Conference Planning**

Classes will provide a comprehensive background in the many facets that make up the conferencing industry.

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>OST 1100</td>
<td>Professional Keyboarding I</td>
<td>3</td>
</tr>
<tr>
<td>GEB 1011</td>
<td>Introduction to Business</td>
<td>3</td>
</tr>
<tr>
<td>MKA 2021</td>
<td>Sales, Marketing and Advertising</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total**  
24

**Total Credit Hours**  
24

1 Students should choose a co-op that best suits their area of emphasis. Co-op selections are listed on page 208 of the catalog. Contact the Cooperative Education coordinator in Ewers Century Center, Room 300, for assistance. **MAN 1949 is recommended for students in the Conference Planning Track.**

**Computer Information Technology**

2295: A.S. Degree in Computer Information Technology (63 Credit Hours)

**CIP:** 11.0103  
**FL CIP:** 1511010305  
**SOC:** 11-3021  
**Entry Wage:** $25.31/hour

The Computer Information Technology program prepares students for employment in a wide variety of computer-related positions in business, industry and government. Students can customize their program of study by choosing electives that will develop their own interests in specific segments of the CIT industry. Students enrolled in the CIT program will also have the opportunity to complete two certificate programs within the Associate of Science program of study, providing credentials for additional employment opportunities upon graduation.

Additionally, for students considering the Management Information Systems track of the Bachelor of Applied Science in Business and Organizational Management program, A.S. degree electives can be tailored to permit students to complete a number of the prerequisites for upper-level coursework.


**Program Courses**

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CGS 2103</td>
<td>Spreadsheet Applications</td>
<td>3</td>
</tr>
<tr>
<td>CGS 1100</td>
<td>Microcomputer Applications</td>
<td>3</td>
</tr>
<tr>
<td>COP 1332</td>
<td>Programming in Visual Basic</td>
<td>3</td>
</tr>
<tr>
<td>CET 1178C</td>
<td>PC Essentials — Hardware</td>
<td>3</td>
</tr>
<tr>
<td>CGS 1949</td>
<td>Co-op Work Experience</td>
<td>3</td>
</tr>
<tr>
<td>CGS 2557</td>
<td>Internet Technologies</td>
<td>3</td>
</tr>
<tr>
<td>CTS 2136</td>
<td>PC Desktop Support</td>
<td>3</td>
</tr>
<tr>
<td>CET 1179</td>
<td>PC Essentials — Software</td>
<td>3</td>
</tr>
<tr>
<td>CTS 2120</td>
<td>Security Fundamentals</td>
<td>3</td>
</tr>
</tbody>
</table>

**Program Core Total**  
27

**MAC 1105 College Algebra is recommended for students planning to enroll in the college's baccalaureate degree programs.**
### Program Electives

**Business Elective**

Choose an additional 18 credit hours from the courses listed below:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIS 2321</td>
<td>Introduction to Systems Analysis and Design</td>
<td>3</td>
</tr>
<tr>
<td>CET 2180</td>
<td>Practical PC Technician</td>
<td>3</td>
</tr>
<tr>
<td>COP 2250</td>
<td>Java Programming</td>
<td>3</td>
</tr>
<tr>
<td>CGS 1820</td>
<td>Web Programming I</td>
<td>3</td>
</tr>
<tr>
<td>EET 1084</td>
<td>Survey of Electronics</td>
<td>3</td>
</tr>
<tr>
<td>CTS 2134</td>
<td>Networking Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>CTS 2651</td>
<td>Router Technology</td>
<td>3</td>
</tr>
<tr>
<td><strong>OST 2335 or ENC 1102</strong></td>
<td>Business Communications or Freshman Composition Skills II</td>
<td>3</td>
</tr>
<tr>
<td><strong>CGS 2540</strong></td>
<td>Database Management Systems</td>
<td>3</td>
</tr>
<tr>
<td><strong>CET 1171</strong></td>
<td>Introduction to Computer Technology</td>
<td>3</td>
</tr>
<tr>
<td><strong>CGS 2871</strong></td>
<td>Multimedia Computer Applications</td>
<td>3</td>
</tr>
<tr>
<td><strong>OST 2717</strong></td>
<td>Advanced Word</td>
<td>3</td>
</tr>
<tr>
<td><strong>CTS 2142</strong></td>
<td>Project Management</td>
<td>3</td>
</tr>
<tr>
<td><strong>CGS 2930</strong></td>
<td>Special Topics in Computers — Introduction to Computer Skills</td>
<td>1</td>
</tr>
<tr>
<td><strong>CGS 2930</strong></td>
<td>Special Topics in Computers — Overview of Microsoft Office</td>
<td>1</td>
</tr>
</tbody>
</table>

Program Electives Total 21

### 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>Freshman Composition Skills I</td>
<td>3</td>
</tr>
</tbody>
</table>

**One of the following options:** (To satisfy Social Science and Humanities requirements)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISS 1013</td>
<td>Introduction to the Social Sciences and Humanities</td>
<td></td>
</tr>
<tr>
<td>HUM 1020</td>
<td>Introduction to the Humanities</td>
<td></td>
</tr>
</tbody>
</table>

**OR**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>WOH 2012</td>
<td>World Civilizations I and either</td>
<td></td>
</tr>
<tr>
<td>HUM 1020</td>
<td>Introduction to the Humanities or</td>
<td></td>
</tr>
<tr>
<td>HUM 1230</td>
<td>Introduction to the Humanities: The Renaissance</td>
<td>6</td>
</tr>
</tbody>
</table>

**OR**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>WOH 2022</td>
<td>World Civilizations II and either</td>
<td></td>
</tr>
<tr>
<td>HUM 1020</td>
<td>Introduction to the Humanities or</td>
<td></td>
</tr>
<tr>
<td>HUM 1210</td>
<td>Introduction to the Humanities: To the Renaissance</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>QMB 1001</td>
<td>College Business Mathematics or</td>
<td>3</td>
</tr>
<tr>
<td>MAC 1105</td>
<td>College Algebra or Any higher level mathematics course</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Any Biological or Physical Science</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credit Hours: 63

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**Program of Study**

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### Computer Information Technology – Information Technology Analysis

**6249: College Credit Certificate in Computer Information Technology – Information Technology Analysis (27 Credit Hours)**

- **CIP:** 11.0103
- **FL CIP:** 05111010312
- **SOC:** 15-1051
- **Entry Wage:** $22.91/hour

Students completing this certificate will have entry-level skills necessary for employment as help-desk assistant and other computer support positions. It provides basic skills in hardware and software applications. *This program is a certificate with the A.S. degree program, Computer Information Technology.*

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CET 1171</td>
<td>Introduction to Computer Technology</td>
<td>3</td>
</tr>
<tr>
<td>CET 1178C</td>
<td>PC Essentials — Hardware</td>
<td>3</td>
</tr>
<tr>
<td>CET 1179</td>
<td>PC Essentials — Software</td>
<td>3</td>
</tr>
<tr>
<td>CET 2180</td>
<td>Practical PC Technician</td>
<td>3</td>
</tr>
<tr>
<td>CGS 1100</td>
<td>Microcomputer Applications</td>
<td>3</td>
</tr>
<tr>
<td>CTS 2120</td>
<td>Security Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>CGS 2557</td>
<td>Internet Technologies</td>
<td>3</td>
</tr>
<tr>
<td>COP1332</td>
<td>Programming Visual Basic</td>
<td>3</td>
</tr>
<tr>
<td>CTS 2136</td>
<td>PC Desktop Support</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credit Hours: 27

### Computer Information Technology – Information Technology Support Specialist

**6288: College Credit Certificate in Computer Information Technology – Information Technology Support Specialist (18 Credit Hours)**

- **CIP:** 43.0102
- **FL CIP:** 05111010311
- **SOC:** 15-1041

Students completing this certificate will have entry-level skills necessary for employment as help-desk assistant and other computer support positions. It provides basic skills in hardware configurations, troubleshooting and repair, as well as network administration. *This program is a certificate with the A.S. degree program, Computer Information Technology.*

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CET 1171</td>
<td>Introduction to Computer Technology</td>
<td>3</td>
</tr>
<tr>
<td>CET 1178C</td>
<td>PC Essentials — Hardware</td>
<td>3</td>
</tr>
<tr>
<td>CET 1179</td>
<td>PC Essentials — Software</td>
<td>3</td>
</tr>
<tr>
<td>CET 2180</td>
<td>Practical PC Technician</td>
<td>3</td>
</tr>
<tr>
<td>CGS 1100</td>
<td>Microcomputer Applications</td>
<td>3</td>
</tr>
<tr>
<td>CTS 2120</td>
<td>Security Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>CGS 2557</td>
<td>Internet Technologies</td>
<td>3</td>
</tr>
<tr>
<td>COP1332</td>
<td>Programming Visual Basic</td>
<td>3</td>
</tr>
<tr>
<td>CTS 2136</td>
<td>PC Desktop Support</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credit Hours: 18

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2. MAC 1105 College Algebra is recommended for students planning to enroll in the college’s baccalaureate degree programs.
## Criminal Justice Technology

**2277: A.S. Degree in Criminal Justice Technology (64 Credit Hours)**

**CIP:** 43.0103  
**FL CIP:** 1743010300  
**SOC:** 33-1099  
**Entry Wage:** $15.42/hour

The Associate in Science degree in Criminal Justice Technology program prepares students for various positions in law enforcement and corrections agencies at the local, state and federal levels and for related jobs in private industry. The program includes a combination of theoretical, practical and supportive courses. Individuals already employed in the criminal justice area can increase their skills and prepare for supervisory positions.

### Program Core Courses

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CJJ 1002</td>
<td>Juvenile Delinquency</td>
<td>3</td>
</tr>
<tr>
<td>CCJ 1020</td>
<td>Introduction to the Criminal Justice</td>
<td>3</td>
</tr>
<tr>
<td>CCJ 1020</td>
<td>System</td>
<td></td>
</tr>
<tr>
<td>CJC 1000</td>
<td>Introduction to Corrections</td>
<td>3</td>
</tr>
<tr>
<td>CJE 2600</td>
<td>Introduction to Criminal Investigation</td>
<td>3</td>
</tr>
<tr>
<td>CJE 2130</td>
<td>Criminal Law, Evidence and Procedures</td>
<td>3</td>
</tr>
<tr>
<td>CJE 2061</td>
<td>Theory and Practice of Law Enforcement</td>
<td>3</td>
</tr>
<tr>
<td>CCJ 1949</td>
<td>Internship/Co-op</td>
<td>3</td>
</tr>
<tr>
<td>CCJ 2010</td>
<td>Criminology</td>
<td>3</td>
</tr>
<tr>
<td>CCJ 2013</td>
<td>Criminal Victimization</td>
<td>3</td>
</tr>
<tr>
<td>PSY 2012</td>
<td>General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>CJE 2330</td>
<td>Ethics in Criminal Justice</td>
<td>3</td>
</tr>
<tr>
<td>ENC 1102</td>
<td>Freshman Composition Skills II</td>
<td>3</td>
</tr>
<tr>
<td>MAN 2021</td>
<td>Principles of Management or</td>
<td>3</td>
</tr>
<tr>
<td>DSC 1212</td>
<td>Introduction to Emergency Management</td>
<td></td>
</tr>
<tr>
<td>CGS 1100</td>
<td>Microcomputer Applications</td>
<td>3</td>
</tr>
</tbody>
</table>

### Program Electives

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 2012</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CJE 2330</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ENC 1102</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MAN 2021</td>
<td></td>
<td></td>
</tr>
<tr>
<td>DSC 1212</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CGS 1100</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Total Credit Hours:** 64

*Students taking advantage of the Criminal Justice Articulation Agreement must take MGF 1106 Liberal Arts Math I or higher. For information on the A.S. to B.S. program with participating colleges/universities, please contact the Criminal Justice Department at 352-873-5838.

### General Education Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101</td>
<td>Freshman Composition Skills I</td>
<td>3</td>
</tr>
<tr>
<td>SPC 2608</td>
<td>Effective Speaking</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Any approved mathematics course beyond</td>
<td></td>
</tr>
<tr>
<td></td>
<td>college preparatory level*</td>
<td></td>
</tr>
<tr>
<td>HLP 1081</td>
<td>Wellness Applications</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Any Biological or Physical Science</td>
<td>3</td>
</tr>
</tbody>
</table>

**One of the following options:** (To satisfy Social Science and Humanities requirements)

- **ISS 1013** Introduction to the Social Sciences and HUM 1020 Introduction to the Humanities OR
- **WOH 2012** World Civilizations I and either
- **HUM 1020** Introduction to the Humanities or
- **HUM 1230** Introduction to the Humanities: Since the Renaissance OR
- **WOH 2022** World Civilizations II and either
- **HUM 1020** Introduction to the Humanities or
- **HUM 1210** Introduction to the Humanities: To the Renaissance

**Total Credit Hours:** 64

### Dental Assisting Technology and Management

**PROGRAM CODES:**

**2323:** A.S. Degree in Dental Assisting Technology and Management – Dental Practice Management (70 Credit Hours)

**2324:** A.S. Degree in Dental Assisting Technology and Management – Education (70 Credit Hours)

**2325:** A.S. Degree in Dental Assisting Technology and Management – Marketing (70 Credit Hours)

**CIP:** 51.0601  
**FL CIP:** 1351060104  
**SOC:** 31-9091  
**Entry Wage:** $13.95/hour

The Dental Assisting Technology and Management program is an Associate in Science degree that encompasses a multitude of career opportunities. The program combines completion of the Applied Technology Diploma in Dental Assisting Technology and Management with options in marketing, dental office management or education. It will provide skills in a variety of areas in communication, business, computers and management that can be used in areas such as dental products representative, dental office management and education in dental assisting programs. Students may complete general education courses before or after completion of the Applied Technology Diploma but not concurrently with the dental assisting courses.
View the Dental Assisting program page online at http://www.cf.edu/dental.

Program Core Courses

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Semester I</td>
<td></td>
<td></td>
</tr>
<tr>
<td>DES 1020</td>
<td>Head, Neck and Dental Anatomy</td>
<td>3</td>
</tr>
<tr>
<td>DES 1030</td>
<td>Histology and Embryology</td>
<td>1</td>
</tr>
<tr>
<td>DEA 1805L</td>
<td>Dental Clinic Seminar</td>
<td>1</td>
</tr>
<tr>
<td>DEA 1806L</td>
<td>Clinic Practice I</td>
<td>2</td>
</tr>
<tr>
<td>BSC 1080</td>
<td>Basic Anatomy and Physiology</td>
<td>3</td>
</tr>
<tr>
<td>DES 1800</td>
<td>Introduction to Clinical Procedures</td>
<td>3</td>
</tr>
<tr>
<td>DES 1806L</td>
<td>Introduction to Clinical Procedures Lab</td>
<td>1</td>
</tr>
<tr>
<td>DES 1600</td>
<td>Dental Office Emergencies</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>Semester Hours</td>
<td>15</td>
</tr>
<tr>
<td>Semester II</td>
<td></td>
<td></td>
</tr>
<tr>
<td>DES 1200</td>
<td>Dental Radiology</td>
<td>2</td>
</tr>
<tr>
<td>DES 1200L</td>
<td>Dental Radiology Lab</td>
<td>1</td>
</tr>
<tr>
<td>DES 1100</td>
<td>Dental Materials</td>
<td>2</td>
</tr>
<tr>
<td>DES 1100L</td>
<td>Dental Materials Lab</td>
<td>1</td>
</tr>
<tr>
<td>DES 1029</td>
<td>Dental Specialties</td>
<td>1</td>
</tr>
<tr>
<td>DEA 1855L</td>
<td>Clinic Practice II</td>
<td>6</td>
</tr>
<tr>
<td>DEA 1151</td>
<td>Dental Psychology and Communications</td>
<td>1</td>
</tr>
<tr>
<td>DEA 1135</td>
<td>Dental Microbiology</td>
<td>1</td>
</tr>
<tr>
<td>DES 1840</td>
<td>Preventative Dentistry</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>Semester Hours</td>
<td>17</td>
</tr>
<tr>
<td>Semester III</td>
<td></td>
<td></td>
</tr>
<tr>
<td>DES 2832C</td>
<td>Expanded Functions with Lab</td>
<td>2</td>
</tr>
<tr>
<td>DEA 2033</td>
<td>Oral Pathology</td>
<td>3</td>
</tr>
<tr>
<td>DES 1502</td>
<td>Dental Office Management</td>
<td>3</td>
</tr>
<tr>
<td>DES 1051</td>
<td>Dental Pharmacology</td>
<td>2</td>
</tr>
<tr>
<td>DEA 1856</td>
<td>Clinic III Seminar</td>
<td>1</td>
</tr>
<tr>
<td>DEA 1856L</td>
<td>Clinic Practice III</td>
<td>7</td>
</tr>
<tr>
<td></td>
<td>Semester Hours</td>
<td>18</td>
</tr>
<tr>
<td></td>
<td>Total Core Hours</td>
<td>50</td>
</tr>
</tbody>
</table>

General Education Core

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101</td>
<td>Freshman Composition Skills I</td>
<td>3</td>
</tr>
<tr>
<td>QMB 1001**</td>
<td>College Business Mathematics</td>
<td>3</td>
</tr>
</tbody>
</table>

Note: Natural Science is required as part of dental core.

One of the following options: (To satisfy Social Science and Humanities requirements)

- ISS 1013 Introduction to the Social Sciences
- HUM 1020 Introduction to the Humanities

OR

- WOH 2012 World Civilizations I
- HUM 1020 Introduction to the Humanities
- HUM 1230 Introduction to the Humanities: Since the Renaissance

OR

- WOH 2022 World Civilizations II

HUM 1020 Introduction to the Humanities or HUM 1210 Introduction to the Humanities: To the Renaissance

**MAC 1105 College Algebra is recommended for students planning to enroll in the college's baccalaureate degree programs. Complete one of the following options:**

**2323: Dental Practice Management**

- BUL 2241 Business Law I 3
- GEB 1011 Introduction to Business 3
- DEA1949 Dental Internship I Co-op 2

Total Program Credit Hours 70

**2324: Education**

- EDF 2005 Introduction to the Teaching Profession 3
- EDF 2085 or EDP 2002 Educational Psychology 3
- DEA1949 Dental Internship I Co-op 2

Total Program Credit Hours 70

**2325: Marketing**

- MAR 2011 Principles of Marketing 3
- MKA 2021 Sales, Marketing and Advertising 3
- DEA1949 Dental Internship I Co-op 2

Total Program Credit Hours 70

### Drafting and Design Technology

**Drafting and Design Technology — Architectural**

**2279: A.S. Degree in Drafting and Design Technology — Architectural (62 Credit Hours)**

| CIP: 15.1301 |
| FL CIP: 1615130100 |
| SOC: 17-3011 |
| Entry Wage: $25.23/hour |

The Associate in Science program in Drafting and Design Technology — Architectural is no longer enrolling new students. Please go to http://www.cf.edu/departments/instruction/workforce/drafting/ for more information. Students who are currently enrolled in the program should contact an advisor if they have any questions.

The program in Drafting and Design Technology — Architectural prepares students for careers as architectural drafters and designers in the construction industry. Graduates of this program normally find employment in the offices of architects and builders and in the private and public sectors. Emphasis is placed on learning to create architectural presentation and working drawings. All the drafting and design courses are taught using AutoCAD. It is highly recommended, but not required, that students in this program have a laptop computer.
Program Core Courses

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CGS 1100</td>
<td>Microcomputer Applications</td>
<td>3</td>
</tr>
<tr>
<td>ETD 2355C</td>
<td>Three-Dimensional Modeling</td>
<td>3</td>
</tr>
<tr>
<td>OST 2335</td>
<td>Business Communications</td>
<td>3</td>
</tr>
<tr>
<td>EGS 1110</td>
<td>Engineering Graphics</td>
<td>3</td>
</tr>
<tr>
<td>BCN 1250</td>
<td>Architectural Drafting Principles</td>
<td>3</td>
</tr>
<tr>
<td>ETD 2801C</td>
<td>Pictorial Drafting</td>
<td>3</td>
</tr>
<tr>
<td>ETD 2540C</td>
<td>Civil Drafting</td>
<td>3</td>
</tr>
<tr>
<td>ETD 2320C</td>
<td>Computer-Aided Drafting and Design</td>
<td>3</td>
</tr>
<tr>
<td>ETD 2350C</td>
<td>Advanced Computer-Aided Drafting and Design</td>
<td>3</td>
</tr>
</tbody>
</table>

Program Electives

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARC 1115</td>
<td>Architectural Communications</td>
<td>3</td>
</tr>
<tr>
<td>ARC 2171</td>
<td>Architectural Drafting</td>
<td>3</td>
</tr>
<tr>
<td>ARC 2172</td>
<td>Architectural Drafting</td>
<td>3</td>
</tr>
<tr>
<td>ARC 2461</td>
<td>Materials and Methods of Construction</td>
<td>3</td>
</tr>
<tr>
<td>ETD 1949</td>
<td>Co-op Work Experience</td>
<td>3</td>
</tr>
</tbody>
</table>

General Education Courses

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101</td>
<td>Freshman Composition Skills I</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Any Biological or Physical Science</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>(PHY 1020 recommended)</td>
<td></td>
</tr>
<tr>
<td>WOH 2012</td>
<td>World Civilizations I</td>
<td>3</td>
</tr>
<tr>
<td>HUM 1020</td>
<td>Introduction to the Humanities</td>
<td>3</td>
</tr>
<tr>
<td>MTB 1321²</td>
<td>Technical Mathematics</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credit Hours: 62

¹Recommended Electives: ETD 2461 Mechanical Systems Drafting, ETD 2730 Industrial Drafting, EIT 1411 Manufacturing Process I or EIT 1117 Introduction to Quality Control.
²MAC 1105 College Algebra is recommended for students planning to transfer to a four-year institution.

Drafting and Design Technology — Mechanical

2270: A.S. Degree in Drafting and Design Technology — Mechanical (62 Credit Hours)

CIP: 15.1301
FL CIP: 1615130100
SOC: 17-3011
Entry Wage: $25.23/hour

The Associate in Science program in Drafting and Design Technology — Mechanical is no longer enrolling new students.

Please go to http://www.cf.edu/departments/instruction/workforce/drafting/ for more information. Students who are currently enrolled in the program should contact an advisor if they have any questions.

The program in Drafting and Design Technology — Mechanical prepares students for careers as mechanical drafters and designers in the manufacturing industry. Graduates of this program normally find employment in the offices of engineers and manufacturers and in the private and public sectors. Emphasis is placed on learning to create gearing and cam drawings, electronic diagrams, structural drawings, topographic drawing and mapping, piping drawing, and welding representation. Emphasis is also placed on learning dimensioning and tolerancing; drawing threads, fasteners and springs; and design and working drawings. All the drafting and design courses are taught using AutoCAD. It is highly recommended, but not required, that students in this program have a laptop computer.

Program Core Courses

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CGS 1100</td>
<td>Microcomputer Applications</td>
<td>3</td>
</tr>
<tr>
<td>ETD 2355C</td>
<td>Three-Dimensional Modeling</td>
<td>3</td>
</tr>
<tr>
<td>OST 2335</td>
<td>Business Communications</td>
<td>3</td>
</tr>
<tr>
<td>EGS 1110</td>
<td>Engineering Graphics</td>
<td>3</td>
</tr>
<tr>
<td>BCN 1250</td>
<td>Architectural Drafting Principles</td>
<td>3</td>
</tr>
<tr>
<td>ETD 2801C</td>
<td>Pictorial Drafting</td>
<td>3</td>
</tr>
<tr>
<td>ETD 2540C</td>
<td>Civil Drafting</td>
<td>3</td>
</tr>
<tr>
<td>ETD 2320C</td>
<td>Computer-Aided Drafting and Design</td>
<td>3</td>
</tr>
<tr>
<td>ETD 2350C</td>
<td>Advanced Computer-Aided Drafting and Design</td>
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Program Electives

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
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<tbody>
<tr>
<td>ETD 1411</td>
<td>Manufacturing Processes I</td>
<td>3</td>
</tr>
<tr>
<td>ETD 2461</td>
<td>Mechanical Systems Drafting and Design</td>
<td>3</td>
</tr>
<tr>
<td>ETD 2730</td>
<td>Industrial Drafting</td>
<td>3</td>
</tr>
<tr>
<td>EIT 1117</td>
<td>Introduction to Quality Control</td>
<td>3</td>
</tr>
<tr>
<td>ETD 1949</td>
<td>Co-op Work Experience</td>
<td>3</td>
</tr>
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</table>

General Education Courses

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101</td>
<td>Freshman Composition Skills I</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Any Biological or Physical Science</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>(PHY 1020 recommended)</td>
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</tr>
<tr>
<td>WOH 2012</td>
<td>World Civilizations I</td>
<td>3</td>
</tr>
<tr>
<td>HUM 1020</td>
<td>Introduction to the Humanities</td>
<td>3</td>
</tr>
<tr>
<td>MTB 1321²</td>
<td>Technical Mathematics</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credit Hours: 62

¹Recommended Electives: ARC 1115 Architectural Communications, ETD 2461 Architectural Drafting I, ETD 2730 Architectural Drafting II, or ETC 2461 Materials and Methods of Construction.
²MAC 1105 College Algebra is recommended for students planning to transfer to a four-year institution.
Drafting and Design Technology – Drafting

6286: College Credit Certificate in Drafting (24 Credit Hours)

CIP: 15.1301
FL CIP: 0615130101
SOC: 17-3011
Entry Wage: $25.53/hour

The one-year College Credit Certificate program in Drafting provides the knowledge and skills necessary to obtain an entry-level position as either an architectural drafter or a mechanical drafter. For those who have experience in drafting and design or a degree in a different field, this program will enhance skills in the architectural drafting or mechanical drafting field. Courses in this College Credit Certificate may apply toward other CF programs.

Program Core Courses

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EGS 1110</td>
<td>Engineering Graphics</td>
<td>3</td>
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<tr>
<td>ETD 2320C</td>
<td>Computer-Aided Drafting and Design</td>
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</tr>
<tr>
<td>ETD 2350C</td>
<td>Advanced Computer-Aided Drafting and Design</td>
<td>3</td>
</tr>
<tr>
<td>ETD 2540C</td>
<td>Civil Drafting</td>
<td>3</td>
</tr>
<tr>
<td><strong>Plus either</strong></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Architectural Track

- ARC 2461 Materials and Methods of Construction 3
- BCN 1250 Architectural Drafting Principles 3
- ARC 2171 Architectural Drafting I 3
- ARC 2172 Architectural Drafting II 3

OR

Mechanical Track

- ETI 1411 Manufacturing Processes I 3
- ETD 2801C Pictorial Drafting 3
- ETD 2461 Mechanical Systems Drafting 3
- ETD 2730 Industrial Drafting 3

Total Credit Hours 24

Early Childhood Education

2259: A.S. Degree in Early Childhood Education (63 Credit Hours)

CIP: 13.1210
FL CIP: 1413121003
SOC: 25-2011
Entry Wage: $25.23/hour

The Early Childhood Education program is designed to prepare individuals for employment in the early childhood field. This program combines theoretical, practical and supportive courses. Students will practice acceptable early childhood techniques with children in the on-campus laboratory preschool. With careful planning, A.S. degree candidates may also complete sufficient additional hours to qualify for the Associate in Arts degree. For information on this option, consult the Counseling Department.

To comply with Florida state law, Chapter 402.3055, each prospective student must be fingerprinted and undergo a criminal background check, reference check and tuberculosis test. Information received is confidential and is required to determine the prospective student's eligibility to work with children.

Program Core Courses

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEC 1931</td>
<td>Child Care Seminar</td>
<td>2</td>
</tr>
<tr>
<td>EEC 2001</td>
<td>Early Childhood Education</td>
<td>3</td>
</tr>
<tr>
<td>CHD 1440C</td>
<td>Child Care Practicum I</td>
<td>3</td>
</tr>
<tr>
<td>EEC 1000</td>
<td>Introduction to Child Development and Education</td>
<td>3</td>
</tr>
<tr>
<td>EEC 1603</td>
<td>Child Guidance</td>
<td>3</td>
</tr>
<tr>
<td>EEC 2300</td>
<td>Instructional Practices</td>
<td>1</td>
</tr>
<tr>
<td>EEC 2200</td>
<td>Curriculum in Childhood Education</td>
<td>3</td>
</tr>
<tr>
<td>CHD 1441C</td>
<td>Child Care Practicum II</td>
<td>3</td>
</tr>
<tr>
<td>EEC 1921</td>
<td>Preschool Workshop</td>
<td>3</td>
</tr>
<tr>
<td>CHD 1339</td>
<td>Learning through Play</td>
<td>3</td>
</tr>
<tr>
<td>EEX 2010</td>
<td>Survey of Disabling Conditions</td>
<td>3</td>
</tr>
<tr>
<td>EEC 1940</td>
<td>Educational Field Experience</td>
<td>3</td>
</tr>
<tr>
<td>EEC 1907</td>
<td>Observing and Recording Behavior</td>
<td>3</td>
</tr>
<tr>
<td>EEC 2401</td>
<td>Home and Community</td>
<td>3</td>
</tr>
</tbody>
</table>

Program Electives

Elective 3

General Education Courses

ENC 1101 Freshman Composition Skills I 3
QMB 1001** College Business Mathematics 3
SPC 2608 Effective Speaking 3
EME 2040 Introduction to Technology for Educators 3
BSC 1020 Biology and the Human Experience 3

One of the following options: (To satisfy Social Science and Humanities requirements)

- ISS 1013 Introduction to the Social Sciences and
- HUM 1020 Introduction to the Humanities

OR

- WOH 2012 World Civilizations I and either
- HUM 1020 Introduction to the Humanities
- HUM 1230 Introduction to the Humanities: Since the Renaissance 6

OR

- WOH 2022 World Civilizations II and either
- HUM 1020 Introduction to the Humanities
- HUM 1210 Introduction to the Humanities: To the Renaissance

Total Credit Hours 63

1 Students may take the following courses to fulfill this requirement: SPC 2608 Effective Speaking, SPC 2608H Honors Effective Speaking, SPC 2300 Interpersonal Communication, SPC 2594 Intercollegiate Forensics Speech, SPC 2601 Advanced Effective Speaking, MMC 1101 Writing for Mass Communications
Programs of Study

(Note: this is a Gordon rule course), THE 1925 Play Production, or TPP 2100 Acting I.

“MAC 1105 College Algebra is recommended for students planning to enroll in the college's baccalaureate degree programs.

College Credit Certificate in Child Care Center Management
6201: College Credit Certificate in Child Care Center Management (12 Credit Hours)

CIP: 13.1210
FL CIP: 0419070906
SOC: 11-9031

This program consists of entry-level courses that will prepare the completer for initial employment in the early childhood field. The program consists of developmentally appropriate practice, child growth and development, positive guidance and creative curriculum. Students may apply for the state child care exam upon completion of the program.

Program Courses

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEC 1931</td>
<td>Child Care Seminar</td>
<td>2</td>
</tr>
<tr>
<td>EEC 1000</td>
<td>Introduction to 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 2200</td>
<td>Curriculum in Childhood Education</td>
<td>3</td>
</tr>
<tr>
<td>EEC 2300</td>
<td>Instructional Practices</td>
<td>1</td>
</tr>
</tbody>
</table>

Total Credit Hours 12

College Credit Certificate in Child Development Early Intervention
6205: College Credit Certificate in Child Development Early Intervention (36 Credit Hours)

CIP: 13.120
FL CIP: 0419070904
SOC: 25-2011
Entry Wage: $25.23/hour

This program consists of entry-level courses that will prepare the completer for employment in the early childhood field. The program consists of additional courses including observing and recording behavior, home and community relations, field experiences, disabling conditions and early childhood education to provide quality training to the preschool teacher.

Program Courses

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEC 1931</td>
<td>Child Care Seminar</td>
<td>2</td>
</tr>
<tr>
<td>EEC 1000</td>
<td>Introduction to Child Growth and Development</td>
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<tr>
<td>EEC 1603</td>
<td>Child Guidance</td>
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<tr>
<td>EEC 2200</td>
<td>Curriculum in Childhood Education</td>
<td>3</td>
</tr>
<tr>
<td>EEC 1921</td>
<td>Preschool Workshop</td>
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<tr>
<td>EEC 1907</td>
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<td>EEC 2401</td>
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</tr>
<tr>
<td>EEX 2010</td>
<td>Survey of Disabling Conditions</td>
<td>3</td>
</tr>
<tr>
<td>EEC 2001</td>
<td>Early Childhood Education</td>
<td>3</td>
</tr>
<tr>
<td>CHD 1339</td>
<td>Learning Through Play</td>
<td>3</td>
</tr>
<tr>
<td>CHD 1440C</td>
<td>Practicum I</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credit Hours 36

Emergency Medical Services
2234: A.S. Degree in Emergency Medical Services (73 Credit Hours)

CIP: 51.0904
FL CIP: 1351090402
SOC: 29-2041
Entry Wage: $17.85/hour

Emergency Medical Services is an Associate in Science degree program that encompasses two occupational opportunities, Emergency Medical Technician and Paramedic. This can be done in units, EMT/Paramedic with general education units as the completion.

The EMT certificate program requires one semester and this prepares the student for certification and employment in accordance with the Department of Transportation curriculum and the State of Florida EMS/Department of Health rules and regulations.

The Paramedic certificate program is three consecutive semesters. In order to apply to the Paramedic program a candidate must be a Florida licensed EMT.

All general education classes may be taken before or concurrently with EMT and Paramedic classes or after the Paramedic unit of this A.S. program is completed. Paramedic courses must be taken in sequence.

Transfer students seeking an A.S. degree in Emergency Medical Services will only be awarded credit hours for paramedic training if the paramedic training was completed at a CoAEMSP accredited program.

Transfer students: Twenty-five percent of total credits must be taken at CF in order to be awarded a degree from CF.
General Education Courses

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101</td>
<td>Freshman Composition Skills I</td>
<td>3</td>
</tr>
<tr>
<td>MAC 1105</td>
<td>College Algebra or equivalent</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Any Biological or Physical Science*</td>
<td>3</td>
</tr>
</tbody>
</table>

**One of the following options:** (To satisfy Social Science and Humanities requirements)

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISS 1013</td>
<td>Introduction to the Social Sciences and</td>
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</tr>
<tr>
<td>HUM 1020</td>
<td>Introduction to the Humanities</td>
<td></td>
</tr>
<tr>
<td>WOH 2012</td>
<td>World Civilizations I and either</td>
<td></td>
</tr>
<tr>
<td>HUM 1230</td>
<td>Introduction to the Humanities: Since the</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>Renaissance</td>
<td></td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>WOH 2022</td>
<td>World Civilizations II and either</td>
<td></td>
</tr>
<tr>
<td>HUM 1020</td>
<td>Introduction to the Humanities or</td>
<td></td>
</tr>
<tr>
<td>HUM 1210</td>
<td>Introduction to the Humanities: To the Renaissance</td>
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<tr>
<td>PSY 2012</td>
<td>General Psychology</td>
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<td></td>
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<td></td>
<td>Total Credit Hours</td>
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</table>

* BSC 1080 is recommended for the general education science. EMS 2010 taken as part of the Paramedic program does not qualify for the A.S. degree.

Note: Remaining hours for A.S. degree are comprised of Emergency Medical Technician (BASIC) and Paramedic Certificates.

Emergency Medical Services – Technician Program (Basic)

6237: College Credit Certificate In Emergency Medical Technician (Basic) (11 Credit Hours)

**CIP:** 51.0904  
**FLCIP:** 0351090400  
**SOC:** 29-2041  
**Entry Wage:** $12.69/hour

Prerequisite: admission to program.

This program is accredited by the Commission on Accreditation of Allied Health Education Programs, 1361 Park Street, Clearwater, FL 33756, telephone 727-210-2350, website http://www.caahep.org.

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EMS 1119</td>
<td>Fundamentals of Emergency Medical Technology</td>
<td>6</td>
</tr>
<tr>
<td>EMS 1119L</td>
<td>Fundamentals of Emergency Medical Technology Skills Lab</td>
<td>2</td>
</tr>
<tr>
<td>EMS 1431</td>
<td>EMT Hospital/Field Experience</td>
<td>2</td>
</tr>
<tr>
<td>EMS 1354C</td>
<td>Emergency Field Operations</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>EMT Credit Hours</td>
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</tr>
</tbody>
</table>

Emergency Medical Services – Paramedic Program

6232: College Credit Certificate in Paramedic (42 Credit Hours)

**Paramedic Program**
**CIP:** 51.0904  
**FL CIP:** 0351090405  
**SOC:** 29-2041  
**Entry Wage:** $14-$15/hour

Prerequisite: Admission to program and current EMT certificate from state of Florida.

This program is accredited by the Commission on Accreditation of Allied Health Education Programs, Committee on Accreditation of Educational Programs for the Emergency Medical Services Profession, 1361 Park Street, Clearwater, FL 33756, telephone 727-210-2350, website http://www.caahep.org. It also meets the standards of the 1998 EMT/Paramedic National Curriculum from U.S. Department of Transportation.

**Semester One**

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EMS 2010</td>
<td>EMS Anatomy and Physiology</td>
<td>3</td>
</tr>
<tr>
<td>EMS 2610</td>
<td>Introduction to Paramedic</td>
<td>2</td>
</tr>
<tr>
<td>EMS 2611</td>
<td>Paramedic Fundamentals</td>
<td>2</td>
</tr>
<tr>
<td>EMS 2612</td>
<td>Airway Management and Ventilation</td>
<td>1</td>
</tr>
<tr>
<td>EMS 2613</td>
<td>Paramedic Patient Assessment</td>
<td>1</td>
</tr>
<tr>
<td>EMS 2611L</td>
<td>Paramedic Fundamentals Skills Lab</td>
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</tr>
<tr>
<td>EMS 2612L</td>
<td>Airway Management and Ventilation Lab</td>
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<td>EMS 2656</td>
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**Semester Two**

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<tr>
<td>EMS 2615</td>
<td>Medical Emergencies I</td>
<td>3</td>
</tr>
<tr>
<td>EMS 2619</td>
<td>Medical Emergencies II</td>
<td>3</td>
</tr>
<tr>
<td>EMS 2628</td>
<td>Paramedic OB/GYN/Neonatal Emergencies</td>
<td>1</td>
</tr>
<tr>
<td>EMS 2615L</td>
<td>Medical Emergencies Skills Lab I</td>
<td>2</td>
</tr>
<tr>
<td>EMS 2619L</td>
<td>Medical Emergencies Skills Lab II</td>
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</tr>
<tr>
<td>EMS 2628L</td>
<td>Paramedic OB/GYN/Neonatal Emergencies Lab</td>
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<tr>
<td>EMS 2630</td>
<td>Behavioral Emergencies</td>
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<td>EMS 2645</td>
<td>Paramedic Clinical Experience II</td>
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**Semester Three**

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EMS 2614</td>
<td>Trauma Emergencies</td>
<td>2</td>
</tr>
<tr>
<td>EMS 2614L</td>
<td>Trauma Emergencies Skills Lab</td>
<td>1</td>
</tr>
<tr>
<td>EMS 2618</td>
<td>EMS Operations</td>
<td>1</td>
</tr>
<tr>
<td>EMS 2658</td>
<td>Paramedic Clinical Experience III</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>Third Semester Total</td>
<td>9</td>
</tr>
<tr>
<td></td>
<td>Paramedic Total Credit Hours</td>
<td>42</td>
</tr>
</tbody>
</table>

Sequence of Paramedic courses represents fall as first semester. There is a slightly different sequence for students who begin in the spring or summer.
Note:
- When more qualified students apply than can be accepted, those not accepted to the program are placed on a waiting list and will be admitted to future classes.
- All Health Sciences candidates must undergo a criminal background check. Candidates with a criminal record may not be eligible for any CF Health Sciences program.
- Upon acceptance into the program, a medical examination, TB test and proof of immunizations are required.
- All students are responsible for their own health/hospitalization insurance. Professional liability insurance is included in tuition fees.
- It is necessary that students have reliable transportation to the assigned hospitals and clinical facilities.
- The student must be prepared to pay additional fees and purchase uniforms as mandated by program of learning.

Engineering Technology
2298: A.S. Degree in Engineering Technology — Quality Specialization (60 Credit Hours)

**CIP:** 15.0000  
**FL CIP:** 1615000001  
**SOC:** 17-3027  
**Entry Wage:** $14.87/hour

The Associate in Science degree program in Engineering Technology — Quality Specialization provides training for the advanced quality-related positions in the medical and manufacturing industries. Manufacturing processes, production management, survey of electronics, quality control, statistics, quality management, instruments techniques and measurement, geometric dimensioning and tolerancing, industrial safety, and concepts of Lean Manufacturing and Six Sigma are all covered in this program.

Program Core Courses

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CGS 1100</td>
<td>Microcomputer Applications</td>
<td>3</td>
</tr>
<tr>
<td>EGS 1110</td>
<td>Engineering Graphics</td>
<td>3</td>
</tr>
<tr>
<td>CGS 1122</td>
<td>Excel for Engineers</td>
<td>3</td>
</tr>
<tr>
<td>CTS 2142</td>
<td>Project Management</td>
<td>3</td>
</tr>
<tr>
<td>EGS 1949</td>
<td>Co-op Work Experience</td>
<td>2</td>
</tr>
<tr>
<td>ETI 1411</td>
<td>Manufacturing Processes I</td>
<td>3</td>
</tr>
<tr>
<td>ETI 1117</td>
<td>Introduction to Quality Control</td>
<td>3</td>
</tr>
<tr>
<td>ETD 2320C</td>
<td>Computer-Aided Drafting and Design</td>
<td>3</td>
</tr>
<tr>
<td>EET 1084</td>
<td>Survey of Electronics</td>
<td>3</td>
</tr>
<tr>
<td>ETI 1720C</td>
<td>Industrial Safety</td>
<td>3</td>
</tr>
<tr>
<td>ETI 1151</td>
<td>Instrument Techniques and Measurement</td>
<td>3</td>
</tr>
<tr>
<td>ETI 1622</td>
<td>Concepts of Lean Manufacturing and Six Sigma</td>
<td>3</td>
</tr>
<tr>
<td>ETI 2623</td>
<td>Lean Enterprise for the Expert</td>
<td>3</td>
</tr>
<tr>
<td>ETI 1628</td>
<td>Developing and Coaching Self-Directed Work Teams</td>
<td>3</td>
</tr>
<tr>
<td>ETI 2610</td>
<td>Six Sigma for the Expert</td>
<td>3</td>
</tr>
</tbody>
</table>

**General Education Courses**

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101</td>
<td>Freshman Composition Skills I</td>
<td>3</td>
</tr>
<tr>
<td>MTB 1321</td>
<td>Technical Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>PHY1001</td>
<td>Physics in Industry with Lab</td>
<td>4</td>
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</table>

**One of the following options:** (To satisfy Social Science and Humanities requirements)

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISS 1013</td>
<td>Introduction to the Social Sciences and</td>
</tr>
<tr>
<td>HUM 1020</td>
<td>Introduction to the Humanities or</td>
</tr>
<tr>
<td>HUM 1230</td>
<td>Introduction to the Humanities: Since the Renaissance</td>
</tr>
</tbody>
</table>

**Engineering Technology — Alternative Energy**

6357: College Credit Certificate in Alternative Energy (18 credit hours)

**CIP:** 15.0505  
**FL CIP:** 0615050304  
**SOC:** 49-2095  
**Entry Wage:** $14.90/hour

This College Credit Certificate program prepares students to meet the industry-specific educational needs for technicians in the new and emerging alternative and renewable energy fields including, but not limited to, occupational titles such as Electrical Engineering Technician, Industrial Engineering Technician, Solar Photovoltaic Installer and Solar Power Plant Technician, Solar Thermal Installer, Energy Auditor, and Smart Grid Technician.

Program Courses

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ETP 1501</td>
<td>Introduction to Energy, Environment and Society</td>
<td>3</td>
</tr>
<tr>
<td>ETP 1520</td>
<td>Geothermal Energy</td>
<td>3</td>
</tr>
<tr>
<td>ETP 1500</td>
<td>Alternative Energy Inventory and Analysis</td>
<td>3</td>
</tr>
<tr>
<td>ETP 1500L</td>
<td>Alternative Energy Inventory and Analysis Lab</td>
<td>2</td>
</tr>
<tr>
<td>ETP 1510</td>
<td>Biofuels and Biomass</td>
<td>3</td>
</tr>
<tr>
<td>ETP 2410</td>
<td>Solar Energy</td>
<td>3</td>
</tr>
<tr>
<td>ETP 1930</td>
<td>Special Topics in Alternative Energy</td>
<td>1</td>
</tr>
</tbody>
</table>

**Total Credit Hours** 18
Programs of Study

**Engineering Technology – Computer-Aided Design and Drafting**

6360: College Credit Certificate in Computer-Aided Design and Drafting

- **CIP:** 15.1302
- **FL CIP:** 061510304
- **SOC:** 17-3026
- **Entry Wage:** $17.87/hour

This one-year College Credit Certificate program in Computer-Aided Design and Drafting provides the knowledge and skills necessary to obtain an entry-level position as a computer-aided design-drafter.

### Program Courses

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MTB 1321</td>
<td>Technical Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>EGS 1110</td>
<td>Engineering Graphics</td>
<td>3</td>
</tr>
<tr>
<td>ETD 2320C</td>
<td>Computer-Aided Drafting and Design</td>
<td>3</td>
</tr>
<tr>
<td>ETD 2801C</td>
<td>Pictorial Drafting</td>
<td>3</td>
</tr>
<tr>
<td>ETD 2350C</td>
<td>Advanced Computer-Aided Drafting and Design</td>
<td>3</td>
</tr>
<tr>
<td>ETD 2355C</td>
<td>Three-Dimensional Modeling</td>
<td>3</td>
</tr>
<tr>
<td>ETD 2641</td>
<td>Mechanical Systems Drafting</td>
<td>3</td>
</tr>
<tr>
<td>ETD 2730</td>
<td>Industrial Drafting</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credit Hours 24

**Engineering Technology – Lean Six Sigma Green Belt**

6285: College Credit Certificate in Lean Six Sigma Green Belt (12 Credit Hours)

- **CIP:** 15.9999
- **FL CIP:** 0615070203
- **SOC:** 17.3026
- **Entry Wage:** $14.87/hour

This program is designed to provide students with considerable experience in manufacturing with the knowledge and skills to become a quality control technician. It is also designed for individuals who already have a degree in engineering technology and who wish to train for a career in quality control.

### Program Courses

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ETI 1622</td>
<td>Concepts of Lean Manufacturing and Six Sigma</td>
<td>3</td>
</tr>
<tr>
<td>ETI 2623</td>
<td>Lean Enterprise for the Expert</td>
<td>3</td>
</tr>
<tr>
<td>ETI 1628</td>
<td>Developing and Coaching Self-Directed Work Teams</td>
<td>3</td>
</tr>
<tr>
<td>ETI 2610</td>
<td>Six Sigma for the Expert</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credit Hours 12

**Engineering Technology-Support Specialist**

6287: College Credit Certificate in Engineering Technology – Support Specialist (18 Credit Hours)

- **CIP:** 15.9999
- **FL CIP:** 0615000004
- **SOC:** 17-3029

The purpose of this program is to prepare students for initial employment with an occupational title as engineering support specialist in various specialized areas, or to provide supplemental training for persons previously or currently employed in these occupations.

### Program Courses

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ETD 2320C</td>
<td>Computer-Aided Drafting and Design</td>
<td>3</td>
</tr>
<tr>
<td>EET 1084</td>
<td>Survey of Electronics</td>
<td>3</td>
</tr>
<tr>
<td>ETI 1411</td>
<td>Manufacturing Processes I</td>
<td>3</td>
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<td>ETI 1151</td>
<td>Instrument Techniques and Measurement</td>
<td>3</td>
</tr>
<tr>
<td>ETI 1117</td>
<td>Introduction to Quality Control</td>
<td>3</td>
</tr>
<tr>
<td>ETI 1720C</td>
<td>Industrial Safety</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credit Hours 18

**Equine Studies**

**Equine Studies – Business Management Specialization**

2292: A.S. Degree in Equine Studies – Business Management Specialization (64 Credit Hours)

- **CIP:** 01.0507
- **FL CIP:** 1101050700
- **SOC:** 45-1011.08
- **Entry Wage:** $15.00/hour

The Equine Business Management specialization under the Associate in Science degree in Equine Studies is ideal for the student who plans to manage an equine farm, equine retail center or establish a service-based equine business like massage therapy, photographer, transportation, sales agent or similar business. Graduates may seek employment in one of these fields or develop their own business as entrepreneurs. Course work includes science-based classes such as nutrition, behavior, anatomy, health care or conformation as well as business-based classes such as business management or sales and marketing.

### Program Core Courses

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANS 1236</td>
<td>Introduction to Equine Science</td>
<td>3</td>
</tr>
<tr>
<td>ANS 2232C</td>
<td>Horse Handling and Safety</td>
<td>3</td>
</tr>
<tr>
<td>AEB 2137C</td>
<td>Equine Business Management</td>
<td>3</td>
</tr>
<tr>
<td>ANS 1238C</td>
<td>Equine Behavior and Psychology</td>
<td>3</td>
</tr>
<tr>
<td>ANS 2403</td>
<td>Equine Nutrition</td>
<td>3</td>
</tr>
</tbody>
</table>
ANS 1237C  Equine Health Care  3
ANS 1531C  Equine Medicine  3
ANS 1930  Special Topics — Equine Studies  1
ANS 1949  Co-op/Internship I  3
OST 2335  Business Communications or  3
ENC 1102  Freshman Composition Skills II (for A.A. degree)  3

**Business Management Specialization**

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1073C</td>
<td>Equine Anatomy and Physiology</td>
<td>3</td>
</tr>
<tr>
<td>ANS 1018C</td>
<td>Equine Computer Skills</td>
<td>2</td>
</tr>
<tr>
<td>AEB 1941</td>
<td>Equine Practicum</td>
<td>1</td>
</tr>
<tr>
<td>ANS 1315</td>
<td>Equine Reproduction</td>
<td>3</td>
</tr>
<tr>
<td>ANS 1222</td>
<td>Equine Sales and Marketing</td>
<td>3</td>
</tr>
<tr>
<td>ANS 1223</td>
<td>Equine Conformation Analysis</td>
<td>3</td>
</tr>
<tr>
<td>ANS 1220</td>
<td>Equine Sport and Competition</td>
<td>2</td>
</tr>
<tr>
<td>ANS 1930</td>
<td>Special Topics — Equine Studies</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>Elective</td>
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</tr>
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**General Education Courses**

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HUM 1020</td>
<td>Introduction to the Humanities</td>
<td></td>
</tr>
<tr>
<td>ENC 1101</td>
<td>Freshman Composition Skills I</td>
<td>3</td>
</tr>
<tr>
<td>QMB 1001**</td>
<td>College Business Mathematics or</td>
<td>3</td>
</tr>
<tr>
<td>MAC 1140</td>
<td>Precalculus (Algebra)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Any Biological or Physical Science</td>
<td>3</td>
</tr>
</tbody>
</table>

**One of the following options:** (To satisfy Social Science and Humanities requirements)

- ISS 1013 Introduction to the Social Sciences and
- HUM 1020 Introduction to the Humanities
- OR
- WOH 2012 World Civilizations I and either
- HUM 1230 Introduction to the Humanities: Since the Renaissance
- OR
- WOH 2022 World Civilizations II and either
- HUM 1210 Introduction to the Humanities: To the Renaissance

**Total Credit Hours** 64

• Recommended Elective: CGS 1100 Microcomputer Applications, GEB 2350 Introduction to International Business, APA 1111 Business Accounting, SPN 1120 Elementary Spanish I.

---

**Equine Studies — Equine Exercise Physiology**

**2309: A.S. Degree in Equine Studies — Equine Exercise Physiology (64 Credit Hours)**

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101</td>
<td>Freshman Composition Skills I</td>
<td>3</td>
</tr>
<tr>
<td>QMB 1001**</td>
<td>College Business Mathematics or</td>
<td>3</td>
</tr>
<tr>
<td>MAC 1140</td>
<td>Precalculus (Algebra)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Any Biological or Physical Science</td>
<td>3</td>
</tr>
</tbody>
</table>

**Program Core Courses**

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANS 1236</td>
<td>Introduction to Equine Science</td>
<td>3</td>
</tr>
<tr>
<td>ANS 2232C</td>
<td>Horse Handling and Safety</td>
<td>3</td>
</tr>
<tr>
<td>AEB 2137C</td>
<td>Equine Business Management</td>
<td>3</td>
</tr>
<tr>
<td>ANS 1238C</td>
<td>Equine Behavior and Psychology</td>
<td>3</td>
</tr>
<tr>
<td>ANS 2403</td>
<td>Equine Nutrition</td>
<td>3</td>
</tr>
<tr>
<td>ANS 1237C</td>
<td>Equine Health Care</td>
<td>3</td>
</tr>
<tr>
<td>ANS 1531C</td>
<td>Equine Medicine</td>
<td>3</td>
</tr>
<tr>
<td>ANS 1930</td>
<td>Special Topics — Equine Studies</td>
<td>1</td>
</tr>
<tr>
<td>ANS 1949</td>
<td>Equine Co-Op</td>
<td>3</td>
</tr>
<tr>
<td>OST 2335</td>
<td>Business Communication or</td>
<td></td>
</tr>
<tr>
<td>ENC 1102</td>
<td>Freshman Composition Skills II</td>
<td>3</td>
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</tbody>
</table>

**Equine Exercise Physiology Specialization**

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANS 1073C</td>
<td>Equine Anatomy and Physiology</td>
<td>3</td>
</tr>
<tr>
<td>ANS 1223</td>
<td>Equine Conformation Analysis</td>
<td>3</td>
</tr>
<tr>
<td>ANS 1220</td>
<td>Equine Sport and Competition</td>
<td>2</td>
</tr>
<tr>
<td>ANS 1930</td>
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<td>1</td>
</tr>
<tr>
<td>ANS 1949</td>
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</tr>
<tr>
<td>OST 2335</td>
<td>Business Communication or</td>
<td></td>
</tr>
<tr>
<td>ENC 1102</td>
<td>Freshman Composition Skills II</td>
<td>3</td>
</tr>
</tbody>
</table>

**General Education Courses**

<table>
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<tbody>
<tr>
<td>ISS 1013</td>
<td>Introduction to the Social Sciences and</td>
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<tr>
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<tr>
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<td>Freshman Composition Skills I</td>
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<td>QMB 1001**</td>
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</tr>
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<td></td>
<td>Any Biological or Physical Science</td>
<td>3</td>
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</tbody>
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- HUM 1230 Introduction to the Humanities: Since the Renaissance
- OR
- WOH 2022 World Civilizations II and either
- HUM 1210 Introduction to the Humanities: To the Renaissance

**Total Credit Hours** 64

- Recommended Elective: CGS 1100 Microcomputer Applications, GEB 2350 Introduction to International Business, APA 1111 Business Accounting, SPN 1120 Elementary Spanish I.

---

The Equine Exercise Physiology specialization under the Associate in Science degree in Equine Studies focuses on studying the physical aspects of the equine athlete. Muscle physiology, conditioning techniques, manual therapeutic support, injury and rehabilitation are critical components involved in the training and support of high performance horses. Students will also study the role of farrier science as well as tack and equipment. Typical employment following completion of this program includes positions as trainers, grooms and rehabilitation technicians.
The Equine Assistant Manager certificate program is ideal for students who want to focus on only equine classes in a shorter program than the Associate in Science degree. This 24-credit program can be completed in a year and focuses on science and business skills essential to managing a horse farm or other equine business. The program has a core of six classes with two equine electives.

### Two Equine Electives

<table>
<thead>
<tr>
<th>Course No.</th>
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<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANS 1236</td>
<td>Introduction to Equine Science</td>
<td>3</td>
</tr>
<tr>
<td>ANS 2232C</td>
<td>Horse Handling and Safety</td>
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<tr>
<td>ANS 1238C</td>
<td>Equine Behavior and Psychology</td>
<td>3</td>
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<tr>
<td>ANS 1222</td>
<td>Equine Sales and Marketing</td>
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<tr>
<td>ANS 1223</td>
<td>Equine Conformation Analysis</td>
<td>3</td>
</tr>
<tr>
<td>ANS 1220</td>
<td>Equine Sport and Competition</td>
<td>2</td>
</tr>
<tr>
<td>ANS 1930</td>
<td>Special Topics — Equine Studies</td>
<td>1</td>
</tr>
</tbody>
</table>

**Total Credit Hours:** 24

## Core Courses

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</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</td>
<td>3</td>
</tr>
<tr>
<td>FFP 2810</td>
<td>Firefighting Tactics and Strategy I</td>
<td>3</td>
</tr>
<tr>
<td>FFP 2720</td>
<td>Company Officer</td>
<td>3</td>
</tr>
<tr>
<td>FFP 2780</td>
<td>Fire Department Administration</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 2740</td>
<td>Fire Service Course Delivery</td>
<td>3</td>
</tr>
<tr>
<td>FFP 2811</td>
<td>Firefighting Tactics and Strategy II</td>
<td>3</td>
</tr>
<tr>
<td>FFP 2770</td>
<td>Ethical and Legal Issues for the Fire Service</td>
<td>3</td>
</tr>
<tr>
<td>FFP 2610</td>
<td>Fire Investigations — Origins and Causes</td>
<td>3</td>
</tr>
<tr>
<td>FFP 2111</td>
<td>Fire Chemistry</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Program Electives</td>
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</tr>
</tbody>
</table>

## General Education Courses

<table>
<thead>
<tr>
<th>Course No.</th>
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</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101</td>
<td>Freshman Composition Skills I</td>
<td>3</td>
</tr>
<tr>
<td>QMB 1001**</td>
<td>College Business Mathematics or (Any Higher-Level College Mathematics)¹</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Any Biological or Physical Science</td>
<td>3</td>
</tr>
</tbody>
</table>

### One of the following options:

(To satisfy Social Science and Humanities requirements)

- ISS 1013 Introduction to the Social Sciences and
- HUM 1020 Introduction to the Humanities

**OR**

- WOH 2012 World Civilizations I and either
- HUM 1020 Introduction to the Humanities or
- HUM 1230 Introduction to the Humanities: Since the Renaissance

**OR**

- WOH 2022 World Civilizations II and either
- HUM 1210 Introduction to the Humanities: To the Renaissance
- CGS 1100 Microcomputer Applications | 3

**Total Credit Hours** | 60

¹Students taking advantage of the FESHE Compliant Track must take MAC 1105 College Algebra.

---

**Fire Science Technology**

**2272: A.S. Degree in Fire Science Technology (60 Credit Hours)**

**2372: A.S. Degree in Fire Science Technology — FESHE Compliant Track (60 Credit Hours)**

The Fire Science Technology program is offered for individuals who are already in the fire service field and are seeking to advance. This program will provide the training and courses required for certification as Fire Officer I and II, and will prepare the graduate for a variety of technical and supervisory positions within the fire service field. This program is approved by the State of Florida, Division of the State Fire Marshal — Bureau of Fire Standards and Training Florida State Fire College, 11655 NW Gainesville Road, Ocala, FL 34482-1436, telephone 352-369-2800.

This program is conducted in coordination with the Florida State Fire College, and the program core courses are conducted at the FSFC campus. Prospective students are advised to consult with the Fire Science Technology Program advisor prior to enrolling as this program has special requirements and enrollment procedures. For more information call 352-854-2322, ext. 1569.

### Core Courses

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</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</td>
<td>3</td>
</tr>
<tr>
<td>FFP 2810</td>
<td>Firefighting Tactics and Strategy I</td>
<td>3</td>
</tr>
<tr>
<td>FFP 2720</td>
<td>Company Officer</td>
<td>3</td>
</tr>
<tr>
<td>FFP 2780</td>
<td>Fire Department Administration</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 2740</td>
<td>Fire Service Course Delivery</td>
<td>3</td>
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<tr>
<td>FFP 2811</td>
<td>Firefighting Tactics and Strategy II</td>
<td>3</td>
</tr>
<tr>
<td>FFP 2770</td>
<td>Ethical and Legal Issues for the Fire Service</td>
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<tr>
<td>FFP 2610</td>
<td>Fire Investigations — Origins and Causes</td>
<td>3</td>
</tr>
<tr>
<td>FFP 2111</td>
<td>Fire Chemistry</td>
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</tr>
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<td></td>
<td>Program Electives</td>
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</tr>
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</table>

### General Education Courses

- ENC 1101 Freshman Composition Skills I | 3
- QMB 1001** College Business Mathematics or (Any Higher-Level College Mathematics)¹ | 3
- Any Biological or Physical Science | 3

### One of the following options:

(To satisfy Social Science and Humanities requirements)

- ISS 1013 Introduction to the Social Sciences and
- HUM 1020 Introduction to the Humanities

**OR**

- WOH 2012 World Civilizations I and either
- HUM 1020 Introduction to the Humanities or
- HUM 1230 Introduction to the Humanities: Since the Renaissance

**OR**

- WOH 2022 World Civilizations II and either
- HUM 1210 Introduction to the Humanities: To the Renaissance
- CGS 1100 Microcomputer Applications | 3

---

**Total Credit Hours** | 60

¹Students taking advantage of the FESHE Compliant Track must take MAC 1105 College Algebra.
**Health Information Technology**

2233: A.S. Degree Program in Health Information Technology (70 Credit Hours)

**CIP:** 51.0707  
**FL CIP:** 1351070700  
**SOC:** 29-2071  
**Entry Wage:** $16.71/hour

The Health Information Technology program is an Associate in Science degree designed to prepare the graduate to work with and manage health-related information in a variety of settings. Professional responsibilities include the collecting, storing, processing, retrieving, analyzing, disseminating and communicating of information related to reimbursement, research, planning, delivery, and evaluation of health care services. The Health Information Technology program is accredited by the Commission on the Accreditation for Health Informatics and Information Management Education (CAHIIM), 233 N. Michigan Avenue, 21st Floor, Chicago, IL 60601-5800. Graduating students will be eligible to take the national qualifying examination for certification as a Registered Health Information Technician. **Students must attain a minimum grade of C in all required courses.**

Health Information Technology Program Outcome Measure: For the academic year from fall 2010 through summer 2011, the graduate placement rate was 86.67%. This statistic includes graduates who were employed or who chose to continue their educations based on the Health Information Technology graduate survey.

**Program Core Courses**

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIM 2214</td>
<td>Health Care Statistics</td>
<td>3</td>
</tr>
<tr>
<td>HSC 2531</td>
<td>Medical Terminology</td>
<td>3</td>
</tr>
<tr>
<td>CGS 1100</td>
<td>Microcomputer Applications</td>
<td>3</td>
</tr>
<tr>
<td>HIM 2722</td>
<td>ICD-10-CM Coding</td>
<td>3</td>
</tr>
<tr>
<td>HIM 2723</td>
<td>ICD-10-PCS Coding</td>
<td>3</td>
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<tr>
<td>HIM 2253</td>
<td>CPT Coding</td>
<td>3</td>
</tr>
<tr>
<td>HIM 2260</td>
<td>Medical Billing and Reimbursement</td>
<td>3</td>
</tr>
<tr>
<td>HIM 2012</td>
<td>Legal Aspects of Medical Records</td>
<td>3</td>
</tr>
<tr>
<td>HIM 1430</td>
<td>Concepts of Disease</td>
<td>3</td>
</tr>
<tr>
<td>HIM 1800</td>
<td>Introduction to Health Information</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Management</td>
<td></td>
</tr>
</tbody>
</table>

**Note:** The Department of Education Statewide Course Numbering System uses the FFP prefix to indicate these courses within the Fire Science Curriculum. The first number indicates the level, either freshmen (1) or sophomore (2), and the last three numbers indicate the course topic. Due to the variety of courses offered throughout the state, it should be noted that courses with the same last three numbers are the same course, contain the same course content and contact hours regardless of the first leveling number.

Please consult [http://www.cf.edu/smartcatalog/fire science.htm](http://www.cf.edu/smartcatalog/fire science.htm) for updated information regarding this program.

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**General Education Courses**

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101</td>
<td>Freshman Composition Skills</td>
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</tr>
<tr>
<td>QMB 1001**</td>
<td>College Business Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>HIM1453C</td>
<td>Health Information Technology Human Anatomy and Physiology I</td>
<td>4</td>
</tr>
<tr>
<td>HIM1454C</td>
<td>Health Information Technology Human Anatomy and Physiology II</td>
<td>4</td>
</tr>
</tbody>
</table>

**One of the following options:** (To satisfy Social Science and Humanities requirements)

- ISS 1013 Introduction to the Social Sciences and Humanities
- HUM 1020 Introduction to the Humanities
  **OR**
- WOH 2012 World Civilizations I and either
- HUM 1230 Introduction to the Humanities: Since the Renaissance
  **OR**
- WOH 2022 World Civilizations II and either
- HUM 1020 Introduction to the Humanities
- HUM 1210 Introduction to the Humanities: To the Renaissance

**Total Credit Hours** 70

"MAC 1105 College Algebra is recommended for students planning to enroll in the college’s baccalaureate degree programs."

**Landscape and Horticulture Technology**

**Landscape and Horticulture Technology – Horticulture Specialization**

2260: A.S. Degree in Landscape and Horticulture Technology – Horticulture Specialization (64 Credit Hours)

**CIP:** 01.0605  
**FL CIP:** 1101060500  
**SOC:** 37-1012  
**Entry Wage:** $14.18/hour

The Landscape and Horticulture Technology program prepares students for industry certification and employment as greenhouse production managers, nursery managers, production superintendents and landscape designers. The program articulates with Florida Gateway College (formerly Lake City Community College) allowing students to transfer into the Golf Course Operations program.
The content includes, but is not limited to, instruction that prepares individuals to supervise or manage the production and use of decorative plants, plant materials and associated services. Subject matter also includes plant nutrition, plant classification and identification, propagation, hydroponics, pest control, irrigation, marketing, equipment management, cultural and environmental management of nursery and greenhouse facilities, business management, employability and human relations skills. Laboratory and horticultural land laboratory activities are an integral part of this program and include the use of horticultural equipment, management and maintenance of growing structures, chemical application and landscape maintenance and installation.

Program Core Courses

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ORH 1000C</td>
<td>Introduction to Horticulture</td>
<td>3</td>
</tr>
<tr>
<td>ORH 1510</td>
<td>Ornamental Plant Identification</td>
<td>3</td>
</tr>
<tr>
<td>ORH 1020C</td>
<td>Household Plants</td>
<td>3</td>
</tr>
<tr>
<td>ORH 1260</td>
<td>Greenhouse Operations</td>
<td>3</td>
</tr>
<tr>
<td>ORH 1234C</td>
<td>Plant Maintenance</td>
<td>3</td>
</tr>
<tr>
<td>ORH 1113C</td>
<td>Pest and Disease Control</td>
<td>3</td>
</tr>
<tr>
<td>ORH 1851</td>
<td>Landscape Design and Maintenance</td>
<td>3</td>
</tr>
<tr>
<td>PLS 1220</td>
<td>Propagation of Nursery Plants</td>
<td>3</td>
</tr>
<tr>
<td>PLS 1220L</td>
<td>Propagation Laboratory</td>
<td>3</td>
</tr>
<tr>
<td>ORH 1601C</td>
<td>Retail and Wholesale Nursery Operations</td>
<td>3</td>
</tr>
<tr>
<td>ORH 1301C</td>
<td>Introduction to Irrigation</td>
<td>3</td>
</tr>
<tr>
<td>CGS 1100</td>
<td>Microcomputer Applications</td>
<td>3</td>
</tr>
<tr>
<td>GCO 1400C</td>
<td>Turf Grasses for Golf and Landscaping</td>
<td>3</td>
</tr>
<tr>
<td>ORH 1949</td>
<td>Cooperative Education</td>
<td>3</td>
</tr>
<tr>
<td>ORH 1260L</td>
<td>Greenhouse Operations Laboratory</td>
<td>2</td>
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</table>

Electives

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
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<td>Electives</td>
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General Education Courses

<table>
<thead>
<tr>
<th>Course No</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101</td>
<td>Freshman Composition Skills I</td>
<td>3</td>
</tr>
<tr>
<td>QMB 1001**</td>
<td>College Business Mathematics</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Any Biological or Physical Science</td>
<td>3</td>
</tr>
</tbody>
</table>

One of the following options: (To satisfy Social Science and Humanities requirements)

<table>
<thead>
<tr>
<th>Course No</th>
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<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISS 1013</td>
<td>Introduction to the Social Sciences and</td>
<td></td>
</tr>
<tr>
<td>HUM 1020</td>
<td>Introduction to the Humanities</td>
<td>6</td>
</tr>
<tr>
<td>OR</td>
<td>World Civilizations I and either</td>
<td></td>
</tr>
<tr>
<td>HUM 1230</td>
<td>Introduction to the Humanities: Since the</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Renaissance</td>
<td></td>
</tr>
<tr>
<td>OR</td>
<td>World Civilizations II and either</td>
<td></td>
</tr>
<tr>
<td>HUM 1020</td>
<td>Introduction to the Humanities or</td>
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<tr>
<td>HUM 1210</td>
<td>Introduction to the Humanities: To the</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Renaissance</td>
<td></td>
</tr>
</tbody>
</table>

Total Credit Hours: 64

** MAC 1105 College Algebra is recommended for students planning to enroll in the college's baccalaureate degree programs.

Landscape and Horticulture Technology – Horticulture Technician

6272: College Credit Certificate in Horticulture Technician (30 Credit Hours)

| CIP: 01.0605 |
| FL CIP: 0101060505 |
| SOC: 37-1012 |
| Entry Wage: $14.18/hour |

The purpose of this program is to prepare students for industry certification and employment in the horticulture and landscape industries as nursery workers, landscape and groundskeeping workers, first-line supervisors/managers of landscaping and groundskeeping landscape or horticulture specialists, farm, ranch, or other agricultural workers, landscape gardeners, park workers, gardeners, special effects, landscape or horticulture professionals, production and nursery supervisors, and horticulture technicians.

CIP: 0101060505

Program Courses

<table>
<thead>
<tr>
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<td>Introduction to Horticulture</td>
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</tr>
<tr>
<td>ORH 1510</td>
<td>Ornamental Plant Identification</td>
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<tr>
<td>ORH 1020C</td>
<td>Household Plants</td>
<td>3</td>
</tr>
<tr>
<td>GCO 1400C</td>
<td>Turf Grasses for Golf and Landscaping</td>
<td>3</td>
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<tr>
<td>ORH 1260</td>
<td>Greenhouse Operations</td>
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</tr>
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<td>ORH 1234C</td>
<td>Plant Maintenance</td>
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<tr>
<td>ORH 1113C</td>
<td>Pest and Disease Control</td>
<td>3</td>
</tr>
<tr>
<td>ORH 1851</td>
<td>Landscape Design and Maintenance</td>
<td>3</td>
</tr>
<tr>
<td>PLS 1220</td>
<td>Propagation of Nursery Plants</td>
<td>3</td>
</tr>
<tr>
<td>PLS 1220L</td>
<td>Propagation of Nursery Plants Laboratory</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credit Hours: 30

Landscape and Horticulture Technology – Landscape Design Option

2269: A.S. Degree in Landscape and Horticulture Technology – Landscape Design Specialization (64 Credit Hours)

| CIP: 01.0605 |
| FL CIP: 1101060500 |
| SOC: 37-1012 |
| Entry Wage: $14.18/hour |

The Landscape and Horticulture Technology program prepares students for industry certification and employment as greenhouse production managers, nursery managers, production superintendents and landscape designers. **The program articulates with Florida Gateway College (formerly Lake City Community College) allowing students to transfer into the Golf Course Operations program.**

The content includes, but is not limited to, instruction that prepares individuals to supervise or manage the production and growth of plants and their associated services.
use of decorative plants, plant materials and associated services. Subject matter also includes plant nutrition, plant classification and identification, propagation, hydroponics, pest control, irrigation, marketing, equipment management, cultural and environmental management of nursery and greenhouse facilities, business management, employability and human relations skills. Laboratory and horticultural land laboratory activities are an integral part of this program and include the use of horticultural equipment, management and maintenance of growing structures, chemical application, and landscape maintenance and installation.

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<td>Introduction to Horticulture</td>
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<td>ORH 1510</td>
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<td>GCO 1400C</td>
<td>Turf Grasses for Golf and Landscaping</td>
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<td>Introduction to Irrigation</td>
<td>3</td>
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<td>ORH 1851</td>
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<tr>
<td>ORH 1851L</td>
<td>Landscape Design and Maintenance Laboratory</td>
<td>3</td>
</tr>
<tr>
<td>ORH 1601C</td>
<td>Retail and Wholesale Nursery Operations</td>
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<tr>
<td>CGS 1100</td>
<td>Microcomputer Applications</td>
<td>3</td>
</tr>
<tr>
<td>EGS 1110</td>
<td>Engineering Graphics</td>
<td>3</td>
</tr>
<tr>
<td>ORH 1949</td>
<td>Cooperative Education</td>
<td>3</td>
</tr>
<tr>
<td>ORH 2832C</td>
<td>Advanced Landscape Design</td>
<td>3</td>
</tr>
<tr>
<td>ORH 2840C</td>
<td>Landscape Construction</td>
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</table>

General Education Courses

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One of the following options: (To satisfy Social Science and Humanities requirements)

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<tr>
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<td></td>
</tr>
<tr>
<td>ORH 2012</td>
<td>World Civilizations I and either</td>
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<tr>
<td>HUM 1020</td>
<td>Introduction to the Humanities or</td>
<td></td>
</tr>
<tr>
<td>HUM 1230</td>
<td>Introduction to the Humanities: Since the</td>
<td>6</td>
</tr>
<tr>
<td>ORH 2022</td>
<td>World Civilizations II and either</td>
<td></td>
</tr>
<tr>
<td>HUM 1020</td>
<td>Introduction to the Humanities or</td>
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<td></td>
</tr>
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<td></td>
<td>Renaissance</td>
<td></td>
</tr>
</tbody>
</table>

Total Credit Hours 64

** MAC 1105 College Algebra is recommended for students planning to enroll in the college's baccalaureate degree programs.

Landscape and Horticulture Technology – Landscape Technician

6273: College Credit Certificate in Landscape Technician (30 Credit Hours)

<table>
<thead>
<tr>
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<td>ORH 1000C</td>
<td>Introduction to Horticulture</td>
<td>3</td>
</tr>
<tr>
<td>ORH 1510</td>
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<td>3</td>
</tr>
<tr>
<td>ORH 1020C</td>
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<td>3</td>
</tr>
<tr>
<td>GCO 1400C</td>
<td>Turf Grasses for Golf and Landscaping</td>
<td>3</td>
</tr>
<tr>
<td>ORH 1260</td>
<td>Greenhouse Operations</td>
<td>3</td>
</tr>
<tr>
<td>ORH 1234C</td>
<td>Plant Maintenance</td>
<td>3</td>
</tr>
<tr>
<td>ORH 1113C</td>
<td>Pest and Disease Control</td>
<td>3</td>
</tr>
<tr>
<td>ORH 1301C</td>
<td>Introduction to Irrigation</td>
<td>3</td>
</tr>
<tr>
<td>ORH 1851</td>
<td>Landscape Design and Maintenance</td>
<td>3</td>
</tr>
<tr>
<td>ORH 1851L</td>
<td>Landscape Design and Maintenance Laboratory</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credit Hours 30

Nursing

Nursing – Associate Degree

2137: A.S. to B.S. Degree in Nursing (72 Credit Hours)

| CIP:      | 51.1699                             |
| FL CIP:   | 1351380100                          |
| SOC:      | 29-1111                             |
| Entry Wage: | $20.00 – $22.00/hour             |

The Associate Degree Nursing, ADN, program prepares graduates to provide nursing care to individuals and groups with commonly occurring health problems in institutional and community settings. Upon completion of the program, graduates are eligible to apply for licensure including taking the NCLEX-RN to become registered nurses. The ADN program is approved by the Florida Board of Nursing and accredited by the National League for Nursing Accrediting Commission, 3343 Peachtree Road, NE, Suite 850, Atlanta, Georgia 30326, telephone 866-747-9965.

This is a limited access program.

Application directions are explained in the required online
information session. Go to

The program policies including attendance, grading, progression, clinical behaviors and readmission guidelines are found in the student handbook that each student obtains upon beginning the ADN program.

General Education Courses*

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HUN 1201</td>
<td>Human Nutrition</td>
<td>3</td>
</tr>
<tr>
<td>PSY 2012</td>
<td>General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>MCB 2010C</td>
<td>Microbiology With Laboratory</td>
<td>4</td>
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<tr>
<td>BSC 2085C</td>
<td>Human Anatomy and Physiology I With Laboratory</td>
<td>4</td>
</tr>
<tr>
<td>MAC 1105</td>
<td>College Algebra or</td>
<td>3</td>
</tr>
<tr>
<td>STA 2023</td>
<td>Elementary Statistics</td>
<td></td>
</tr>
<tr>
<td>ENC 1101</td>
<td>Freshman Composition Skills I</td>
<td>3</td>
</tr>
<tr>
<td>BSC 2086C</td>
<td>Human Anatomy and Physiology II With Laboratory</td>
<td>4</td>
</tr>
<tr>
<td>DEP 2004</td>
<td>Human Growth and Development</td>
<td>3</td>
</tr>
<tr>
<td>HUM 1020</td>
<td>Introduction to the Humanities or Equivalent</td>
<td>3</td>
</tr>
</tbody>
</table>

| Total Credit Hours | 30 |

*Some students may need preparatory study before taking these courses. See individual course descriptions for criteria. Preparatory courses are not part of the nursing curriculum.

Note:

- The required general education course sequencing is explained in the online information session, as are the admission process and dates.
- Before entering the program a professional level CPR card is required which must remain current while in the program.
- All Health Sciences candidates must undergo a criminal background check. Candidates with a criminal record may not be eligible for any CF Health Sciences program.
- Upon acceptance into the program, a medical examination documenting sound physical and mental health, TB testing, and proof of immunization are required.
- All students are responsible for their own health/hospitalization insurance. Professional liability insurance is included in college fees.
- It is necessary that students have reliable transportation to the assigned hospitals and clinical facilities, which are located in Citrus, Levy and Marion counties.
- The CF service district is Citrus, Levy and Marion counties. In-district residents will be accepted into the nursing programs first before any consideration will be given to out-of-district applicants.
- Credit for classroom/theory instruction, whether face-to-face or online, is one credit per 50-minute hour (1:1) for a 16-week semester. For nursing laboratory and clinical experience, one credit is earned for every three contact hours (1:3) for a 16-week semester. Nursing courses offered during nonstandard semesters will complete these hours within the shorter semester.

The Associate Degree Nursing program may be completed through either the full-time or the part-time option. In the full-time option, nursing courses are completed over four semesters. The student may take specific General Education courses with the nursing courses. In the part-time option, the student takes fewer nursing credits per semester, but takes nursing courses over summer as well as fall and spring semesters. In the part-time option, students take all nursing curriculum General Education courses before beginning Introduction to Nursing/Nursing I. Students are admitted to the part-time program in the summer and take Introduction to Pharmacology and Socialization into Nursing I in the fall semester along with General Education courses. Full-time students have an option to do this, also. Part-time students take Introduction to Nursing/Nursing I in the spring semester. See the comparison of nursing courses for full- and part-time options.

Full-Time Program

First Clinical Semester – Spring*

**HUN1201 Human Nutrition (if not completed) 3 credits
NUR 1011 Socialization into Nursing I 1 credit
NUR 1142 Introduction to Pharmacology 2 credits
NUR 1022C Introduction to Nursing 4 credits
NUR 1024C Nursing I 3 credits

| Total Credits | 13 |

Second Clinical Semester – Fall

**DEP 2004 Human Growth and Development (if not completed) 3 credits
NUR 1730C Nursing II 9 credits
NUR 1012 Socialization into Nursing II 2 credits

| Total Credits | 14 |

Third Clinical Semester – Spring

**HUM 1020 Introduction to Humanities or equivalent (if not completed) 3 credits
NUR 2732C Nursing III 9 credits
NUR 1830 Socialization into Nursing III 2 credits

| Total Credits | 14 |

Fourth Semester – Fall

NUR 2734C Nursing IV 10 credits

| Total Credits | 10 |

*The full-time program also begins First Clinical Semester in Fall.

** These general education courses may be taken before beginning NUR courses.
First Clinical Semester – Spring  
NUR 1022C  Introduction to Nursing  4 credits  
NUR 1024C  Nursing I  3 credits  
Total Credits  7  

Second Clinical Semester – Summer  
NUR 1210C  Nursing II A  5 credits  
Total Credits  5  

Third Clinical Semester – Fall  
NUR 1733C  Nursing II B  5 credits  
NUR 1012  Socialization into Nursing II  2 credits  
Total Credits  7  

Fourth Clinical Semester – Spring  
NUR 2751C  Nursing III A  5 credits  
NUR 1830  Socialization into Nursing III  2 credits  
Total Credits  7  

Fifth Semester – Summer  
NUR 2752C  Nursing III B  5 credits  
Total Credits  5  

Sixth Semester – Fall  
NUR 2713C  Nursing IV A  8 credits  
Total Credits  8  

1Students in the part-time program begin Introduction to Nursing/Nursing I in spring semester only. Students must have completed all general education courses (pre- and corequisites).

Nursing – Licensed Practical Nurse to Associate Degree Nursing Bridge  
2139: A.S. Degree in Nursing – Licensed Practical Nurse to Associate Degree Nursing Bridge (60 Credit Hours)  

CIP: 51.1699  
FL CIP: 1351380100  
SOC: 29-1111  
Enterry Wage: $20.00 – $22.00/hour  

The bridge option is designed to build upon the LPN’s education for career mobility to Associate Degree Nursing. The program prepares graduates to provide nursing care to individuals and groups with commonly occurring health problems in institutional and community settings. Upon completion of the program, graduates are eligible to apply for licensure including taking the NCLEX-RN to become registered nurses. The program is approved by the Florida Board of Nursing and accredited by the National League for Nursing Accrediting Commission, 3343 Peachtree Road, NE, Suite 850, Atlanta, Georgia 30326, telephone 866-747-9965. This is a limited access program, which begins in the summer.

Application directions are explained in the required online information session. Go to http://www.cf.edu/prospective/infosessions.  
The program policies including attendance, grading, progression, clinical behaviors and readmission guidelines are found in the student handbook that each student obtains upon beginning the ADN program.  

General Education Courses*  

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HUN 1201</td>
<td>Human Nutrition</td>
<td>3</td>
</tr>
<tr>
<td>PSY 2012</td>
<td>General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>MCB 2010C</td>
<td>Microbiology With Laboratory</td>
<td>4</td>
</tr>
<tr>
<td>BSC 2085C</td>
<td>Human Anatomy and Physiology I With Laboratory</td>
<td>4</td>
</tr>
<tr>
<td>MAC 1105 or</td>
<td>College Algebra or</td>
<td>3</td>
</tr>
<tr>
<td>STA 2023</td>
<td>Elementary Statistics</td>
<td>3</td>
</tr>
<tr>
<td>ENC 1101</td>
<td>Freshman Composition Skills I</td>
<td>3</td>
</tr>
<tr>
<td>BSC 2086C</td>
<td>Human Anatomy and Physiology II With Laboratory</td>
<td>4</td>
</tr>
<tr>
<td>DEP 2004</td>
<td>Human Growth and Development</td>
<td>3</td>
</tr>
<tr>
<td>HUM 1020</td>
<td>Introduction to the Humanities or</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Equivalent</td>
<td></td>
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</table>

Program Core Courses  

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>NUR 1004C</td>
<td>Bridge Nursing With Laboratory</td>
<td>7</td>
</tr>
<tr>
<td>NUR 1003</td>
<td>Socialization into Nursing for LPN to ADN Bridge</td>
<td>2</td>
</tr>
<tr>
<td>NUR 2732C</td>
<td>Nursing III With Laboratory</td>
<td>9</td>
</tr>
<tr>
<td>NUR 1830</td>
<td>Socialization into Nursing III</td>
<td>2</td>
</tr>
<tr>
<td>NUR 2734C</td>
<td>Nursing IV with Laboratory</td>
<td>10</td>
</tr>
</tbody>
</table>

Total Credit Hours 60  

*Some students may need preparatory study before taking these courses. See individual course descriptions for criteria. Preparatory courses are not part of the nursing curriculum.  

Note:  
- Applicants must be graduates of an approved practical nursing program and have a current Florida PN license.  
- The required General Education course sequencing is explained in the online information session.  
- Before applying to the program a professional level CPR card is required which must remain current until program completion.  
- All Health Sciences candidates must undergo a criminal background check. Candidates with a criminal record may not be eligible for any CF Health Sciences program.  
- Upon acceptance into the program, a medical examination documenting sound physical and mental health, TB testing, and proof of immunization are required.  
- All students are responsible for their own health/hospitalization insurance. Professional liability insurance is included in college fees.  
- It is necessary that students have reliable transportation to the assigned hospitals and clinical facilities, which are located in Citrus, Levy and Marion counties.  
- The CF service district is Citrus, Levy and Marion counties. In-district residents will be accepted into the
nursing programs first before any consideration will be given to out-of-district applicants.

- Credit for classroom/theory instruction, whether face-to-face or online, is one credit per 50-minute hour (1:1) for a 16-week semester. For nursing laboratory and clinical experience, one credit is earned for every three contact hours (1:3) for a 16-week semester. Nursing courses offered during nonstandard semesters will include this number of hours in the shorter semester.

## Office Administration

The Office Administration program is a two-year Associate in Science degree program featuring several options. The program goal is to prepare students for entry into specialized office careers and to provide competencies for enhancing promotion in persons previously or currently employed in office careers. Students having acquired skills in office administration prior to entering CF may earn credit through administrative-level positions in business, industry and government. Preparation includes intensive training in keyboarding and document processing, as well as office procedures, accounting, management, business communication and microcomputer applications.

### Office Administration – Legal Office Specialization

**2250: A.S. Degree in Office Administration – Legal Office Specialization (63 Credit Hours)**

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CGS 1100</td>
<td>Microcomputer Applications</td>
<td>3</td>
</tr>
<tr>
<td>OST 1100</td>
<td>Professional Keyboarding I</td>
<td>3</td>
</tr>
<tr>
<td>OST 1110</td>
<td>Professional Keyboarding II</td>
<td>3</td>
</tr>
<tr>
<td>OST 1384</td>
<td>Customer Service</td>
<td>3</td>
</tr>
<tr>
<td>OST 2335</td>
<td>Business Communications</td>
<td>3</td>
</tr>
<tr>
<td>OST 2401</td>
<td>Office Administration I</td>
<td>3</td>
</tr>
<tr>
<td>BUL 2241</td>
<td>Business Law</td>
<td>3</td>
</tr>
<tr>
<td>OST 2717</td>
<td>Advanced Word</td>
<td>3</td>
</tr>
<tr>
<td>PLA 1003</td>
<td>Introduction to the Paralegal Field</td>
<td>3</td>
</tr>
<tr>
<td>APA 1111 or</td>
<td>Business Accounting or</td>
<td>3</td>
</tr>
<tr>
<td>ACG 2021**</td>
<td>Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>OST 1949</td>
<td>Co-op Work Experience</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total**: 33

### Program Electives

Choose an additional 15 credit hours from the courses listed below:

- OST 2402: Office Administration II
- PLA 2201: Litigation Procedures
- PLA 1104: Legal Research and Writing I

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACG 2021L**</td>
<td>Financial Accounting Lab</td>
<td>1</td>
</tr>
<tr>
<td>MAN 2021</td>
<td>Principles of Management</td>
<td>3</td>
</tr>
<tr>
<td>MNA 2141</td>
<td>Basic Leadership/Supervisory Skills</td>
<td>3</td>
</tr>
<tr>
<td>ACG 2450</td>
<td>Integrated Accounting</td>
<td>3</td>
</tr>
<tr>
<td>CGS 2557</td>
<td>Internet Technologies</td>
<td>3</td>
</tr>
<tr>
<td>CGS 2103</td>
<td>Spreadsheet Applications</td>
<td>3</td>
</tr>
<tr>
<td>ENC 1102</td>
<td>Freshman Composition Skills II</td>
<td>3</td>
</tr>
<tr>
<td>CGS 2540</td>
<td>Database Management Systems</td>
<td>3</td>
</tr>
<tr>
<td>CET 1171</td>
<td>Introduction to Computer Technology</td>
<td>3</td>
</tr>
<tr>
<td>CGS 2871</td>
<td>Multimedia Computer Applications</td>
<td>3</td>
</tr>
</tbody>
</table>

**Program Electives Total**: 15

### General Education Core

**Course No.** | **Course Title**                      | **Credits** |
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101</td>
<td>Freshman Composition Skills I</td>
<td>3</td>
</tr>
<tr>
<td>QMB 1001 or</td>
<td>College Business Mathematics or</td>
<td>3</td>
</tr>
<tr>
<td>MAC 1105**</td>
<td>College Algebra</td>
<td></td>
</tr>
</tbody>
</table>

**One of the following options:** (To satisfy Social Science and Humanities requirements)

- ISS 1013: Introduction to the Social Sciences and
- HUM 1020: Introduction to the Humanities

**OR**

- WOH 2012: World Civilizations I and either
- HUM 1020: Introduction to the Humanities or
- HUM 1230: Introduction to the Humanities: Since the Renaissance

**OR**

- WOH 2022: World Civilizations II and either
- HUM 1020: Introduction to the Humanities or
- HUM 1210: Introduction to the Humanities: To the Renaissance

**Total Credit Hours**: 63

**Note**: MAC 1105 College Algebra, ACG 2021 Financial Accounting, ACG 2021L Financial Accounting Lab and ENC1102 Freshman Composition Skills II are recommended for students planning to enroll in the college’s baccalaureate degree programs.

### Office Administration – Medical Office Administration

**2247: A.S. Degree in Office Administration – Medical Office Administration (63 Credit Hours)**

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CGS 1100</td>
<td>Microcomputer Applications</td>
<td>3</td>
</tr>
<tr>
<td>OST 1100</td>
<td>Professional Keyboarding I</td>
<td>3</td>
</tr>
<tr>
<td>OST 1110</td>
<td>Professional Keyboarding II</td>
<td>3</td>
</tr>
<tr>
<td>OST 1384</td>
<td>Customer Service</td>
<td>3</td>
</tr>
<tr>
<td>OST 2335</td>
<td>Business Communications</td>
<td>3</td>
</tr>
<tr>
<td>OST 2401</td>
<td>Office Administration I</td>
<td>3</td>
</tr>
</tbody>
</table>

**Program Electives Total**: 15

**Entry Wage**: $16.57/hour

**CIP**: 52.0204

**FL CIP**: 1552020400

**SOC**: 43-6011

**Program Courses Total**: 63
<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIM 1800</td>
<td>Introduction to Health Information Management</td>
<td>3</td>
</tr>
<tr>
<td>HSC 2531</td>
<td>Medical Terminology</td>
<td>3</td>
</tr>
<tr>
<td>APA 1111 or ACG 2021**</td>
<td>Business Accounting or Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>OST 2717</td>
<td>Advanced Word</td>
<td>3</td>
</tr>
<tr>
<td>HIM 2260</td>
<td>Medical Billing and Reimbursement</td>
<td>3</td>
</tr>
<tr>
<td>OST 1949</td>
<td>Co-op Work Experience</td>
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<td>Total</td>
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</table>

**Program Electives**

Choose an additional 12 credit hours from the courses listed below:

<table>
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<tr>
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<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>OST 2402</td>
<td>Office Administration II</td>
<td>3</td>
</tr>
<tr>
<td>HIM 1430</td>
<td>Concepts of Disease</td>
<td>3</td>
</tr>
<tr>
<td>ECO 2013</td>
<td>Principles of Economics — Macro</td>
<td>3</td>
</tr>
<tr>
<td>GEB 2350</td>
<td>Introduction to International Business</td>
<td>3</td>
</tr>
<tr>
<td>ACG 2021L**</td>
<td>Financial Accounting Lab</td>
<td>1</td>
</tr>
<tr>
<td>MAN 2021</td>
<td>Principles of Management</td>
<td>3</td>
</tr>
<tr>
<td>MNA 2141</td>
<td>Basic Leadership/Supervisory Skills</td>
<td>3</td>
</tr>
<tr>
<td>ACG 2450</td>
<td>Integrated Accounting</td>
<td>3</td>
</tr>
<tr>
<td>HIM 2012</td>
<td>Legal Aspects of Medical Records</td>
<td>3</td>
</tr>
<tr>
<td>GEB 2430</td>
<td>Ethics in Business</td>
<td>3</td>
</tr>
<tr>
<td>GEB 1011</td>
<td>Introduction to Business</td>
<td>3</td>
</tr>
<tr>
<td>ENC 1102**</td>
<td>Freshman Composition Skills II</td>
<td>3</td>
</tr>
<tr>
<td>CGS 2540</td>
<td>Database Management Systems</td>
<td>3</td>
</tr>
<tr>
<td>CET 1171</td>
<td>Introduction to Computer Technology</td>
<td>3</td>
</tr>
<tr>
<td>CGS 2871</td>
<td>Multimedia Computer Applications</td>
<td>3</td>
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</table>

Program Electives Total: 12

**General Education Core**

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>ENC 1101</td>
<td>Freshman Composition Skills I</td>
<td>3</td>
</tr>
<tr>
<td>BSC 1080</td>
<td>Basic Anatomy and Physiology</td>
<td>3</td>
</tr>
<tr>
<td>QMB 1001 or MAC 1105**</td>
<td>College Business Mathematics or College Algebra</td>
<td>3</td>
</tr>
</tbody>
</table>

One of the following options: (To satisfy Social Science and Humanities requirements)

- ISS 1013: Introduction to the Social Sciences and
- HUM 1020: Introduction to the Humanities
  OR
- WOH 2012: World Civilizations I and either
- HUM 1020: Introduction to the Humanities or
- HUM 1230: Introduction to the Humanities: Since the Renaissance
  OR
- WOH 2022: World Civilizations II and either
- HUM 1020: Introduction to the Humanities or
- HUM 1210: Introduction to the Humanities: To the Renaissance

Total Credit Hours: 63

"MAC 1105 College Algebra, ACG 2021L Financial Accounting, ACG 2021L Financial Accounting Lab and ENC1102 Freshman Composition Skills II are recommended for students planning to enroll in the college's baccalaureate degree programs.

---

**Office Administration – Office Management**

2249: A.S. Degree in Office Administration – Office Management (63 Credit Hours)

CIP: 52.0204
FL CIP: 1552020400
SOC: 43-6011
Entry Wage: $16.57/hour

**Program Courses**

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CGS 1100</td>
<td>Microcomputer Applications</td>
<td>3</td>
</tr>
<tr>
<td>OST 1100</td>
<td>Professional Keyboarding I</td>
<td>3</td>
</tr>
<tr>
<td>OST 1110</td>
<td>Professional Keyboarding II</td>
<td>3</td>
</tr>
<tr>
<td>OST 1384</td>
<td>Customer Service</td>
<td>3</td>
</tr>
<tr>
<td>GST 2355</td>
<td>Business Communications</td>
<td>3</td>
</tr>
<tr>
<td>OST 2401</td>
<td>Office Administration I</td>
<td>3</td>
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<tr>
<td>CGS 2103</td>
<td>Spreadsheet Applications</td>
<td>3</td>
</tr>
<tr>
<td>MAN 2021 or MNA 2141</td>
<td>Principles of Management or Basic Leadership/Supervisory Skills</td>
<td>3</td>
</tr>
<tr>
<td>ACG 2021**</td>
<td>Business Accounting or Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>OST 1949</td>
<td>Co-op Work Experience</td>
<td>3</td>
</tr>
</tbody>
</table>

Total: 33

**Program Electives**

Choose an additional 15 credit hours from the courses listed below:

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>OST 2402</td>
<td>Office Administration II</td>
<td>3</td>
</tr>
<tr>
<td>ACG 2021L**</td>
<td>Financial Accounting Lab</td>
<td>1</td>
</tr>
<tr>
<td>ACG 2450</td>
<td>Integrated Accounting</td>
<td>3</td>
</tr>
<tr>
<td>CGS 2557</td>
<td>Internet Technologies</td>
<td>3</td>
</tr>
<tr>
<td>ENC 1102**</td>
<td>Freshman Composition Skills II</td>
<td>3</td>
</tr>
<tr>
<td>CGS 2540</td>
<td>Database Management Systems</td>
<td>3</td>
</tr>
<tr>
<td>CET 1171</td>
<td>Introduction to Computer Technology</td>
<td>3</td>
</tr>
<tr>
<td>GEB 1011</td>
<td>Introduction to Business</td>
<td>3</td>
</tr>
<tr>
<td>BUL 2241</td>
<td>Business Law I</td>
<td>3</td>
</tr>
<tr>
<td>CGS 2871</td>
<td>Multimedia Computer Applications</td>
<td>3</td>
</tr>
</tbody>
</table>

Program Electives Total: 15

**General Education Core**

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101</td>
<td>Freshman Composition Skills I</td>
<td>3</td>
</tr>
<tr>
<td>QMB 1001 or MAC 1105**</td>
<td>College Business Mathematics or College Algebra</td>
<td>3</td>
</tr>
</tbody>
</table>

"MAC 1105 College Algebra, ACG 2021L Financial Accounting, ACG 2021L Financial Accounting Lab and ENC1102 Freshman Composition Skills II are recommended for students planning to enroll in the college's baccalaureate degree programs.

---
One of the following options: (To satisfy Social Science and Humanities requirements)

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISS 1013</td>
<td>Introduction to the Social Sciences and HUM 1020</td>
<td></td>
</tr>
<tr>
<td>HUM 1020</td>
<td>Introduction to the Humanities</td>
<td></td>
</tr>
<tr>
<td>WOH 2012</td>
<td>World Civilizations I and either HUM 1020</td>
<td></td>
</tr>
<tr>
<td>HUM 1020</td>
<td>Introduction to the Humanities or</td>
<td></td>
</tr>
<tr>
<td>HUM 1230</td>
<td>Introduction to the Humanities: Since the Renaissance</td>
<td>6</td>
</tr>
<tr>
<td>WOH 2022</td>
<td>World Civilizations II and either HUM 1020</td>
<td></td>
</tr>
<tr>
<td>HUM 1020</td>
<td>Introduction to the Humanities or</td>
<td></td>
</tr>
<tr>
<td>HUM 1210</td>
<td>Introduction to the Humanities: To the Renaissance</td>
<td></td>
</tr>
</tbody>
</table>

Total Credit Hours 63

** MAC 1105 College Algebra, ACG 2021 Financial Accounting, ACG 2021L Financial Accounting Lab and ENC1102 Freshman Composition Skills II are recommended for students planning to enroll in the college's baccalaureate degree programs.

Office Administration – Office Software Applications

2289: A.S. Degree in Office Administration – Office Software Applications (63 Credit Hours)

CIP: 52.0204
FL CIP: 15S2020400
SOC: 43-6011
Entry Wage: $16.57/hour

Program Courses

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CGS 1100</td>
<td>Microcomputer Applications</td>
<td>3</td>
</tr>
<tr>
<td>OST 1100</td>
<td>Professional Keyboarding I</td>
<td>3</td>
</tr>
<tr>
<td>OST 1110</td>
<td>Professional Keyboarding II</td>
<td>3</td>
</tr>
<tr>
<td>OST 1384</td>
<td>Customer Service</td>
<td>3</td>
</tr>
<tr>
<td>OST 2335</td>
<td>Business Communications</td>
<td>3</td>
</tr>
<tr>
<td>OST 2401</td>
<td>Office Administration I</td>
<td>3</td>
</tr>
<tr>
<td>CGS 2103</td>
<td>Spreadsheet Applications</td>
<td>3</td>
</tr>
<tr>
<td>OST 2717</td>
<td>AdvancedWord</td>
<td>3</td>
</tr>
<tr>
<td>APA 1111</td>
<td>Business Accounting or</td>
<td>3</td>
</tr>
<tr>
<td>ACG 2021**</td>
<td>Financial accounting</td>
<td>3</td>
</tr>
<tr>
<td>CGS 2540</td>
<td>Database Management Systems</td>
<td>3</td>
</tr>
<tr>
<td>OST 1949</td>
<td>Co-op Work Experience</td>
<td>3</td>
</tr>
</tbody>
</table>

Total 33

Program Electives

Choose an additional 15 credit hours from the courses listed below:

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>OST 2402</td>
<td>Office Administration II</td>
<td>3</td>
</tr>
<tr>
<td>ACG 2021L**</td>
<td>Financial Accounting Lab</td>
<td>1</td>
</tr>
<tr>
<td>ACG 2450</td>
<td>Integrated Accounting</td>
<td>3</td>
</tr>
<tr>
<td>CGS 2557</td>
<td>Internet Technologies</td>
<td>3</td>
</tr>
<tr>
<td>ENC 1102**</td>
<td>Freshman Composition Skills II</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credit Hours 63

** MAC 1105 College Algebra, ACG 2021 Financial Accounting, ACG 2021L Financial Accounting Lab and ENC1102 Freshman Composition Skills II are recommended for students planning to enroll in the college's baccalaureate degree programs.

General Education Core

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101</td>
<td>Freshman Composition Skills I</td>
<td>3</td>
</tr>
<tr>
<td>QMB 1001 or</td>
<td>College Business Mathematics or</td>
<td>3</td>
</tr>
<tr>
<td>MAC 1105**</td>
<td>College Algebra</td>
<td>3</td>
</tr>
</tbody>
</table>

One of the following options: (To satisfy Social Science and Humanities requirements)

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISS 1013</td>
<td>Introduction to the Social Sciences and HUM 1020</td>
<td></td>
</tr>
<tr>
<td>HUM 1020</td>
<td>Introduction to the Humanities</td>
<td></td>
</tr>
<tr>
<td>WOH 2012</td>
<td>World Civilizations I and either HUM 1020</td>
<td></td>
</tr>
<tr>
<td>HUM 1020</td>
<td>Introduction to the Humanities or</td>
<td></td>
</tr>
<tr>
<td>WOH 2022</td>
<td>World Civilizations II and either HUM 1020</td>
<td></td>
</tr>
<tr>
<td>HUM 1230</td>
<td>Introduction to the Humanities: Since the Renaissance</td>
<td>6</td>
</tr>
<tr>
<td>HUM 1210</td>
<td>Introduction to the Humanities: To the Renaissance</td>
<td>6</td>
</tr>
</tbody>
</table>

Total Credit Hours 63

** MAC 1105 College Algebra, ACG 2021 Financial Accounting, ACG 2021L Financial Accounting Lab and ENC1102 Freshman Composition Skills II are recommended for students planning to enroll in the college's baccalaureate degree programs.

College Credit Certificate in Office Support

6257: College Credit Certificate in Office Support (12 Credit Hours)

CIP: 52.0204
FL CIP: 05S2020403
SOC: 43-6011

Program Courses

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101</td>
<td>Freshman Composition Skills I</td>
<td>3</td>
</tr>
<tr>
<td>CGS 1100</td>
<td>Microcomputer Applications</td>
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<td>OST 1100</td>
<td>Professional Keyboarding I</td>
<td>3</td>
</tr>
<tr>
<td>CGS 2540</td>
<td>Database Management Systems</td>
<td>3</td>
</tr>
<tr>
<td>OST 1949</td>
<td>Co-op Work Experience</td>
<td>3</td>
</tr>
<tr>
<td>ACG 2021L**</td>
<td>Financial Accounting Lab</td>
<td>1</td>
</tr>
<tr>
<td>PLA 1003**</td>
<td>Introduction to Legal Technology</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credit Hours 12

* Recommended Office/Business Electives: OST 1110 Professional Keyboarding II, OST 2401 Office Administration I, OST 2717 Advanced Word, OST 1384 Customer Service, PLA 1003 Introduction to
College Credit Certificate in Office Specialist

6261: College Credit Certificate in Office Specialist (18 Credit Hours)

**Prominent Courses**

- ENC 1101 - Freshman Composition Skills I
- QMB 1001 - College Business Mathematics or
- MAC 1105 - College Algebra
- CGS 1100 - Microcomputer Applications
- QMB 2021 - Financial Accounting
- ACG 2021 - College Algebra
- ENC 1102 - Freshman Composition Skills II

**Career Pathway**

- The College Credit Certificate in Office Specialist prepares students for entry-level positions in office management and related fields.
- The program includes courses in business mathematics, professional keyboarding, and business communications.

**Entry Wage:** $12.68/hour

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101</td>
<td>Freshman Composition Skills I</td>
<td>3</td>
</tr>
<tr>
<td>QMB 1001 or College Business Mathematics or</td>
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<td></td>
</tr>
<tr>
<td>MAC 1105**</td>
<td>College Algebra</td>
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<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>OST 1100</td>
<td>Professional Keyboarding I</td>
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<tr>
<td>OST 1110</td>
<td>Professional Keyboarding II</td>
<td>3</td>
</tr>
<tr>
<td>APA 1111 or</td>
<td>Business Accounting or</td>
<td>3</td>
</tr>
<tr>
<td>ACG 2021**</td>
<td>Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>OST 2335</td>
<td>Business Communications</td>
<td>3</td>
</tr>
<tr>
<td>Office/Business Elective*</td>
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<tr>
<td>Office/Business Elective*</td>
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</tbody>
</table>

**Total Credit Hours:** 27

*Recommended Office/Business Electives: OST 2401 Office Administration I, OST 2717 Advanced Word, OST 1384 Customer Service, PLA 1003 Introduction to Legal Technology, HIM 1800 Introduction to Health Information Management, HIM 2260 Medical Billing and Reimbursement, HSC 2531 Medical Terminology, MAN 2117 Introduction to Computer Technology, CGS 2871 Multimedia Applications, and ENC 1102 Freshman Composition Skills II*

**MAC 1105 College Algebra and ACG 2021 Financial Accounting are recommended for students planning to enroll in the college's baccalaureate degree programs.**

College Credit Certificate in Office Management

6240: College Credit Certificate in Office Management (27 Credit Hours)

**Prominent Courses**

- ENC 1101 - Freshman Composition Skills I
- QMB 1001 or College Business Mathematics or
- MAC 1105** - College Algebra
- CGS 1100 - Microcomputer Applications
- MAC 1105 - College Algebra
- ACG 2021 - Financial Accounting
- ENC 1102 - Freshman Composition Skills II

**Entry Wage:** $12.68/hour

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101</td>
<td>Freshman Composition Skills I</td>
<td>3</td>
</tr>
<tr>
<td>QMB 1001 or College Business Mathematics or</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>MAC 1105**</td>
<td>College Algebra</td>
<td>3</td>
</tr>
<tr>
<td>CGS 1100</td>
<td>Microcomputer Applications</td>
<td>3</td>
</tr>
<tr>
<td>OST 1100</td>
<td>Professional Keyboarding I</td>
<td>3</td>
</tr>
<tr>
<td>OST 1110</td>
<td>Professional Keyboarding II</td>
<td>3</td>
</tr>
<tr>
<td>APA 1111 or</td>
<td>Business Accounting or</td>
<td>3</td>
</tr>
<tr>
<td>ACG 2021**</td>
<td>Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>OST 2335</td>
<td>Business Communications</td>
<td>3</td>
</tr>
<tr>
<td>Office/Business Elective*</td>
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<td></td>
</tr>
<tr>
<td>Office/Business Elective*</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

**Total Credit Hours:** 27

*Recommended Office/Business Electives: OST 2401 Office Administration I, OST 2717 Advanced Word, OST 1384 Customer Service, PLA 1003 Introduction to Legal Technology, HIM 1800 Introduction to Health Information Management, HIM 2260 Medical Billing and Reimbursement, HSC 2531 Medical Terminology, MAN 2117 Introduction to Computer Technology, CGS 2871 Multimedia Applications, and ENC 1102 Freshman Composition Skills II*

**MAC 1105 College Algebra and ACG 2021 Financial Accounting are recommended for students planning to enroll in the college's baccalaureate degree programs.**

Paralegal

2278: A.S. Degree in Paralegal (64 Credit Hours)

**CIP:** 22.0302

**FL CIP:** 1722030200

**SOC:** 23-2011

**Entry Wage:** $12.54/hour

The Paralegal program is designed to prepare individuals for employment in law-related areas. While paralegals typically are found in law firms, they also are utilized by government agencies, insurance companies, bank trust departments, corporations, and the court system. Dedicated, motivated students will graduate with an Associate in Science degree in Paralegal and with qualifications to sit for the Paralegal/Certified Legal Assistant Exam administered by the National Association of Legal Assistants.

### Program Core Courses

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PLA 1003</td>
<td>Introduction to the Paralegal Field</td>
<td>3</td>
</tr>
<tr>
<td>BUL 2241</td>
<td>Business Law I</td>
<td>3</td>
</tr>
<tr>
<td>OST 1100</td>
<td>Professional Keyboarding I</td>
<td>3</td>
</tr>
<tr>
<td>OST 2335</td>
<td>Business Communications</td>
<td>3</td>
</tr>
<tr>
<td>OST 1110</td>
<td>Professional Keyboarding II</td>
<td>3</td>
</tr>
<tr>
<td>OST 2717</td>
<td>Advanced Word</td>
<td>3</td>
</tr>
<tr>
<td>PLA 2273</td>
<td>Torts</td>
<td>3</td>
</tr>
<tr>
<td>PLA 1104</td>
<td>Legal Research and Writing I</td>
<td>3</td>
</tr>
<tr>
<td>PLA 2610</td>
<td>Real Estate Law and Property Transactions</td>
<td>3</td>
</tr>
<tr>
<td>PLA 2201</td>
<td>Litigation Procedures</td>
<td>3</td>
</tr>
<tr>
<td>PLA 2600</td>
<td>Wills, Trusts and Probate Administration</td>
<td>3</td>
</tr>
<tr>
<td>PLA 2114</td>
<td>Legal Research and Writing II</td>
<td>3</td>
</tr>
<tr>
<td>PLA 2800</td>
<td>Laws of Family Relations</td>
<td>3</td>
</tr>
</tbody>
</table>
The Physical Therapist Assistant program is accredited by the Commission on Accreditation in Physical Therapy Education of the American Physical Therapy Association, Department of Accreditation, American Physical Therapy Association, 1111 North Fairfax Street, Alexandria, VA 22314, Telephone 703-706-3245 or 703-684-2782, email address accreditation@apta.org, website http://www.apta.org/CAPTE. The PTA program graduate must take and pass a state-administered national examination in order to become licensed and eligible to practice.

Please note that completion of the PTA program does not guarantee entry into a physical therapy program. The PTA course work (technical phase) does not transfer to most physical therapy schools.

This is a limited access program with deadlines to apply. Application directions are distributed at the required information sessions. Call 352-873-5817 for dates and times of information sessions or view online at http://www.cf.edu/health/.

The program policies including attendance, grading, clinical behaviors and readmission guidelines are found in the student handbook that each student obtains once admitted to the PTA program.

### General Education Courses

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSC 2085C</td>
<td>Human Anatomy and Physiology I with Lab</td>
<td>4</td>
</tr>
<tr>
<td>ENC 1101</td>
<td>Freshman Composition Skills I</td>
<td>3</td>
</tr>
<tr>
<td>PSY 2012</td>
<td>General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PHT 2342</td>
<td>Medical Terminology for the Physical Therapist Assistant</td>
<td>2</td>
</tr>
<tr>
<td>BSC 2086C</td>
<td>Human Anatomy and Physiology II with Lab</td>
<td>4</td>
</tr>
<tr>
<td>MAT 1033</td>
<td>Intermediate Algebra or Higher-level Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>DEP 2004</td>
<td>Human Growth and Development</td>
<td>3</td>
</tr>
</tbody>
</table>

One of the following options: (To satisfy Social Science and Humanities requirements)

- ISS 1013 Introduction to the Social Sciences and
- HUM 1020 Introduction to the Humanities

OR

World Civilizations I and either

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>WOH 2012</td>
<td>World Civilizations I</td>
<td></td>
</tr>
<tr>
<td>HUM 1020</td>
<td>Introduction to the Humanities</td>
<td>6</td>
</tr>
<tr>
<td>HUM 1230</td>
<td>Introduction to the Humanities: Since the Renaissance</td>
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</tr>
</tbody>
</table>

OR

World Civilizations II and either

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>WOH 2022</td>
<td>World Civilizations II</td>
<td></td>
</tr>
<tr>
<td>HUM 1020</td>
<td>Introduction to the Humanities</td>
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</tr>
<tr>
<td>HUM 1210</td>
<td>Introduction to the Humanities: To the Renaissance</td>
<td></td>
</tr>
</tbody>
</table>

Total Credit Hours 64

1 Co-op Prerequisites: ENC 1101 Freshman Composition Skills I, PLA 1003 Introduction to Legal Technology, PLA 1104 Legal Research and Writing I.


3 MAC 1105 College Algebra is recommended for students planning to enroll in the college's baccalaureate degree programs.

### Physical Therapist Assistant

**Programs of Study**

**2232: A.S. Degree in Physical Therapist Assistant (74 Credit Hours)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUL2242</td>
<td>Business Organizations and Debtor/Creditor Relations</td>
<td>3</td>
</tr>
<tr>
<td>GEB 2430</td>
<td>Ethics in Management or Customer Service</td>
<td>3</td>
</tr>
<tr>
<td>OST 1384</td>
<td>Co-op Work Experience</td>
<td>3</td>
</tr>
<tr>
<td>PLA 1949</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Program Electives

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 1105</td>
<td>College Algebra</td>
<td>3</td>
</tr>
<tr>
<td>ENC 1101</td>
<td>Freshman Composition Skills I</td>
<td>3</td>
</tr>
<tr>
<td>QMB 1001* or College Business Mathematics or</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

One of the following options: (To satisfy Social Science and Humanities requirements)

- ISS 1013 Introduction to the Social Sciences and
- HUM 1020 Introduction to the Humanities

OR

- World Civilizations I and either
- WOH 2012 World Civilizations I

HUM 1230 Introduction to the Humanities: Since the Renaissance 6

OR

- World Civilizations II and either
- WOH 2022 World Civilizations II

HUM 1020 Introduction to the Humanities or 6

HUM 1210 Introduction to the Humanities: To the Renaissance

Total Credit Hours 64

1 Co-op Prerequisites: ENC 1101 Freshman Composition Skills I, PLA 1003 Introduction to Legal Technology, PLA 1104 Legal Research and Writing I.


3 MAC 1105 College Algebra is recommended for students planning to enroll in the college's baccalaureate degree programs.

The Physical Therapist Assistant works under the supervision of the physical therapist. PTAs are directly involved in patient treatment, performing such duties as applying physical agents, and designing and carrying out exercise programs. They provide direct patient care of individuals who experience temporary or permanent disability due to pain, injury, disease or birth defects.

**Entry Wage:** $17.84/hour
Program Core Courses

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHT 1000</td>
<td>Introduction to Physical Therapy</td>
<td>2</td>
</tr>
<tr>
<td>PHT 1014</td>
<td>Documentation for the Physical Therapist Assistant</td>
<td>1</td>
</tr>
<tr>
<td>PHT 1130C</td>
<td>Data Collection Skills for the PTA</td>
<td>3</td>
</tr>
<tr>
<td>PHT 1175C</td>
<td>Functional Anatomy and Kinesiology</td>
<td>3</td>
</tr>
<tr>
<td>PHT 1210C</td>
<td>Therapeutic Modalities I</td>
<td>3</td>
</tr>
<tr>
<td>PHT 1225C</td>
<td>Therapeutic Procedures</td>
<td>3</td>
</tr>
<tr>
<td>PHT 1300</td>
<td>Survey of Pathological Deficits</td>
<td>4</td>
</tr>
<tr>
<td>PHT 1212C</td>
<td>Therapeutic Modalities II</td>
<td>3</td>
</tr>
<tr>
<td>PHT 1801L</td>
<td>PTA Clinical Lab I</td>
<td>2</td>
</tr>
<tr>
<td>PHT 1802L</td>
<td>PTA Clinical Lab II</td>
<td>2</td>
</tr>
<tr>
<td>PHT 2227C</td>
<td>Disabilities and Therapeutic Procedures II</td>
<td>3</td>
</tr>
<tr>
<td>PHT 2162C</td>
<td>Rehabilitation Procedures</td>
<td>4</td>
</tr>
<tr>
<td>PHT 2931</td>
<td>Trends in Physical Therapy</td>
<td>1</td>
</tr>
<tr>
<td>PHT 2810</td>
<td>Clinical Practice II</td>
<td>6</td>
</tr>
<tr>
<td>PHT 2820</td>
<td>Clinical Practice III</td>
<td>6</td>
</tr>
</tbody>
</table>

Total Credit Hours: 74

Note:
- All Health Sciences candidates must undergo a criminal background check. Candidates with a criminal record may not be eligible for any CF Health Sciences program.
- When more qualified students apply than can be accepted, those not accepted to the program are admitted to future classes.
- Upon acceptance into the program, a medical examination and proof of immunization are required.
- All students are responsible for their own health/hospitalization insurance. Professional liability insurance is included in college fees.
- It is necessary that students have reliable transportation to the assigned hospitals and clinical facilities.

Radiography (In Cooperation with CTAE)

2300: A.S. Degree in Radiography (77 Credit Hours*)

CIP: 51.0907
FL CIP: 1351090700
SOC: 29-2034

Entry Wage: $26.65/hour

The program is designed to provide students with the knowledge and skills necessary to become a radiologic technologist. The program is dedicated to excellence in education and training and to quality and safety of patient care. The graduate of the program will be eligible for licensure in the state of Florida as a Certified Radiologic Technologist and to apply for admission to the certification examination administered by the American Registry of Radiologic Technologists. This program is a cooperative effort between CF and Marion County Community Technical and Adult Education, CTAE. For detailed information email radiology@mcctae.com. **This is a selective admission program.**

Application data are distributed at required information sessions. Call 352-873-5817, option 4, for dates and times of information sessions.

The following General Education courses are available at CF and must be taken before admission to Radiography program at CTAE.

TRANSFER STUDENTS: Twenty-five percent of total credits must be taken at CF in order to be awarded a degree from CF.

**General Education Courses**

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
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<td>Freshman Composition Skills I</td>
<td>3</td>
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<tr>
<td>MAC 1105</td>
<td>College Algebra</td>
<td>3</td>
</tr>
<tr>
<td>BSC 2085C</td>
<td>Human Anatomy and Physiology I</td>
<td>4</td>
</tr>
<tr>
<td>BSC 2086C</td>
<td>Human Anatomy and Physiology II</td>
<td>4</td>
</tr>
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</table>

One of the following options: (To satisfy Social Science and Humanities requirements)

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISS 1013</td>
<td>Introduction to the Social Sciences and</td>
<td></td>
</tr>
<tr>
<td>HUM 1020</td>
<td>Introduction to the Humanities</td>
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</tr>
<tr>
<td>WOH 2012</td>
<td>World Civilizations I and either</td>
<td>6</td>
</tr>
<tr>
<td>HUM 1020</td>
<td>Introduction to the Humanities or</td>
<td></td>
</tr>
<tr>
<td>HUM 1230</td>
<td>Introduction to the Humanities: Since the</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Renaissance</td>
<td></td>
</tr>
<tr>
<td>WOH 2022</td>
<td>World Civilizations II and either</td>
<td></td>
</tr>
<tr>
<td>HUM 1020</td>
<td>Introduction to the Humanities or</td>
<td></td>
</tr>
<tr>
<td>HUM 1210</td>
<td>Introduction to the Humanities: To the Renaissance</td>
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Total: 20

**Program Core Courses**  
*(offered by and completed at Marion County Community Technical and Adult Education, (CTAE))*

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>RTE 1000</td>
<td>Fundamentals of Radiologic Technology</td>
<td>3</td>
</tr>
<tr>
<td>RTE 1503C</td>
<td>Radiographic Procedures I</td>
<td>4</td>
</tr>
<tr>
<td>RTE 1418C</td>
<td>Radiographic Imaging I</td>
<td>4</td>
</tr>
<tr>
<td>RTE 1804</td>
<td>Clinical Education I</td>
<td>2</td>
</tr>
<tr>
<td>RTE 1814</td>
<td>Clinical Education II</td>
<td>3</td>
</tr>
<tr>
<td>RTE 1513C</td>
<td>Radiographic Procedures II</td>
<td>4</td>
</tr>
<tr>
<td>RTE 1457C</td>
<td>Radiographic Imaging II</td>
<td>4</td>
</tr>
<tr>
<td>RTE 1523C</td>
<td>Radiographic Procedures III</td>
<td>3</td>
</tr>
<tr>
<td>RTE 1824</td>
<td>Clinical Education III</td>
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<tr>
<td>RTE 2834</td>
<td>Advanced Clinical Education IV</td>
<td>3</td>
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<tr>
<td>RTE 2844</td>
<td>Advanced Clinical Education V</td>
<td>4</td>
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<tr>
<td>RTE 2782</td>
<td>Radiographic Pathology</td>
<td>4</td>
</tr>
<tr>
<td>RTE 2613</td>
<td>Radiation Physics I</td>
<td>4</td>
</tr>
<tr>
<td>RTE 2623</td>
<td>Radiation Physics II</td>
<td>3</td>
</tr>
<tr>
<td>RTE 2854</td>
<td>Advanced Clinical Education VI</td>
<td>4</td>
</tr>
<tr>
<td>RTE 2385C</td>
<td>Radiation Biology</td>
<td>3</td>
</tr>
<tr>
<td>RTE 2061</td>
<td>Radiography Seminar</td>
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</tr>
<tr>
<td>RTE 2864</td>
<td>Advanced Clinical Education VII</td>
<td>1</td>
</tr>
</tbody>
</table>

Total Credit Hours: 77

*Degree is conferred by College of Central Florida.*
Dental Assisting

5510: Applied Technology Diploma in Dental Assisting Technology and Management (50 Credit Hours)

CIP: 51.0601
FL CIP: 0351060108
SOC: 31-9091
Entry Wage: $13.95/hour

This is a limited access program which articulates into the Associate in Science degree for Dental Assisting Technology and Management. Completion of this program does not require General Education coursework. Application data is distributed at the free information sessions. These are held on a regular basis. Call 352-873-5817 for dates and times of information sessions or view online at http://www.cf.edu/health/.

The Dental Assisting program is designed to train individuals to perform as efficient dental professionals in a dental health environment. Students will gain exposure in various areas such as dental radiography, dental materials, chairside assisting and more. Upon completion of the program, students are eligible to sit for the Dental Assisting National Board. The Dental Assisting program is 50 credits for a total of 1,230 contact hours.

The program in dental assisting is accredited by the American Dental Association Commission on Dental Accreditation and has been granted the accreditation status of "approval without reporting requirements. The Commission is a specialized accrediting body recognized by the United States Department of Education. The American Dental Association Commission on Dental Accreditation can be contacted at 312-440-4653 or at 211 East Chicago Avenue, Chicago, IL 60611. For additional information regarding the Commission on Dental Accreditation, please consult the website at http://www.ada.org/117.aspx.

For more information, view the Dental Assisting Information Packet at http://www.cf.edu/dental.

### Program Courses

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>DES 1020</td>
<td>Head, Neck and Dental Anatomy</td>
<td>3</td>
</tr>
<tr>
<td>DES 1030</td>
<td>Histology and Embryology</td>
<td>1</td>
</tr>
<tr>
<td>DEA 1805L</td>
<td>Dental Clinic Seminar</td>
<td>1</td>
</tr>
<tr>
<td>DEA 1806L</td>
<td>Clinic Practice I</td>
<td>2</td>
</tr>
<tr>
<td>BSC 1080</td>
<td>Basic Anatomy and Physiology</td>
<td>3</td>
</tr>
<tr>
<td>DES 1800</td>
<td>Introduction to Clinical Procedures</td>
<td>3</td>
</tr>
<tr>
<td>DES 1806L</td>
<td>Introduction to Clinical Procedures Lab</td>
<td>1</td>
</tr>
<tr>
<td>DES 1600</td>
<td>Dental Office Emergencies</td>
<td>1</td>
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</table>

**Semester II**

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>DES 1200</td>
<td>Dental Radiology</td>
<td>2</td>
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<tr>
<td>DES 1200L</td>
<td>Dental Radiology Lab</td>
<td>1</td>
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<tr>
<td>DES 1100</td>
<td>Dental Materials</td>
<td>2</td>
</tr>
<tr>
<td>DES 1100L</td>
<td>Dental Materials Lab</td>
<td>1</td>
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<tr>
<td>DES 1029</td>
<td>Dental Specialties</td>
<td>1</td>
</tr>
<tr>
<td>DEA 1855L</td>
<td>Clinic Practice II</td>
<td>6</td>
</tr>
<tr>
<td>DEA 1151</td>
<td>Dental Psychology and Communications</td>
<td>1</td>
</tr>
<tr>
<td>DEA 1135</td>
<td>Dental Microbiology</td>
<td>1</td>
</tr>
<tr>
<td>DES 1840</td>
<td>Preventative Dentistry</td>
<td>2</td>
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</table>

**Semester Hours**: 15

**Semester III**

<table>
<thead>
<tr>
<th>Course No.</th>
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<tbody>
<tr>
<td>DES 2832C</td>
<td>Expanded Functions with Lab</td>
<td>2</td>
</tr>
<tr>
<td>DEA 2033</td>
<td>Oral Pathology</td>
<td>3</td>
</tr>
<tr>
<td>DES 1502</td>
<td>Dental Office Management</td>
<td>3</td>
</tr>
<tr>
<td>DES 1051</td>
<td>Dental Pharmacology</td>
<td>2</td>
</tr>
<tr>
<td>DEA 1856</td>
<td>Clinic III Seminar</td>
<td>1</td>
</tr>
<tr>
<td>DEA 1856L</td>
<td>Clinic Practice III</td>
<td>7</td>
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</tbody>
</table>

**Semester Hours**: 18

**Total Program Credit Hours**: 50

**Note:**
- When more qualified students apply than can be accepted, those not accepted to the program are admitted to future classes.
- Federal criminal background check is required for admission. Persons who have a criminal record may not be eligible for admission to any CF Health Sciences program, including Dental Assisting.
- Upon acceptance into the program, a medical examination and proof of immunizations are required.
- All students are responsible for their own health/hospitalization insurance. Professional liability insurance is included in college fees.
- It is necessary that students have reliable transportation to the assigned dental offices.
- All students are required to have CPR certification before class begins.
- The student must be prepared to pay additional fees and purchase uniforms as mandated by program of learning.
Postsecondary Adult Vocational Certificate Programs (PSAV)

Air Conditioning, Refrigeration and Heating Technology
7292: Postsecondary Adult Vocational Certificate (750 Clock Hours)

CIP: 15.0501
FL CIP: 0647020107
SOC: 49-9021
Entry Wage: $14.76/hour

The purpose of this program is to prepare students for industry certification and employment as air conditioning, heating and refrigeration mechanics, servicers, installers and helpers, and it provides supplemental training for individuals previously or currently employed in these occupations.

The content of the program includes, but is not limited to: communication skills; leadership skills; human relations and employability skills; safe, efficient work practices; planning, installing, testing and servicing of air conditioning, refrigeration and heating systems and components; servicing, installing, and troubleshooting electrical and mechanical components; testing, diagramming and solving problems in air conditioning, refrigeration and heating equipment; record keeping; basic supervisory skills; use and care of hand tools, power tools, specialized tools and equipment; and use of current industry standards, practices and techniques.

Program Courses

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Clock Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACR 0000</td>
<td>Introduction to Air Conditioning and Heating Theory</td>
<td>120</td>
</tr>
<tr>
<td>ACR 0001</td>
<td>Air Conditioning and Heating Fundamentals</td>
<td>120</td>
</tr>
<tr>
<td>ACR 0600</td>
<td>Advanced Air Conditioning and Heating Operations</td>
<td>90</td>
</tr>
<tr>
<td>ACR 0100C</td>
<td>Basic Electrical Theory for Air Conditioning and Heating</td>
<td>120</td>
</tr>
<tr>
<td>ACR 0202</td>
<td>Electrical Components and Operations</td>
<td>90</td>
</tr>
<tr>
<td>ACR 0106</td>
<td>Applied Electricity and Troubleshooting</td>
<td>120</td>
</tr>
<tr>
<td>ACR 0930L</td>
<td>Air Conditioning and Heating Skill Development Lab</td>
<td>90</td>
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</table>

Total Clock Hours: 750

Automotive Collision Repair and Refinishing
7263: Postsecondary Adult Vocational Certificate (1,400 Clock Hours)

CIP: 47.0603
FL CIP: 0647060300
SOC: 49-3021
Entry Wage: $17.39/hour

The purpose of this program is to prepare students for industry certification and employment as automobile body repairers, automotive painters, automobile body repairer helpers, and automotive painter helpers, or to provide supplemental training for persons previously or currently employed in these occupations.

The content of the program includes, but is not limited to: communication skills; leadership skills; human relations and employability skills; safe and efficient work practices; basic trade skills; refinishing skills; sheet metal repair skills; frame and unibody squaring and aligning; use of fillers, paint systems and undercoats; related welding skills; related mechanical skills; trim-hardware maintenance; glass servicing; and other miscellaneous repairs.

Program Courses

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Clock Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARR 0001</td>
<td>Introduction to Auto Collision Repair</td>
<td>90</td>
</tr>
<tr>
<td>ARR 0121</td>
<td>Automotive Body Refinishing</td>
<td>180</td>
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<tr>
<td>ARR 0122</td>
<td>Automotive Body Refinishing II</td>
<td>180</td>
</tr>
<tr>
<td>ARR 0330</td>
<td>Unibody and Frame Straightening</td>
<td>180</td>
</tr>
<tr>
<td>ARR 0292</td>
<td>Automotive Body Repair II</td>
<td>180</td>
</tr>
<tr>
<td>ARR 0125L</td>
<td>Repair and Refinishing Skill Development Lab</td>
<td>90</td>
</tr>
<tr>
<td>ARR 0293</td>
<td>Automotive Body Repair III</td>
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<tr>
<td>ARR 0949</td>
<td>Co-op Work Experience or Seminars</td>
<td>150</td>
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<tr>
<td>ARR 0126L</td>
<td>Repair and Refinishing Skill Development Lab</td>
<td>150</td>
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<tr>
<td>ARR 0126L</td>
<td>Repair and Refinishing Skill Development Lab</td>
<td>150</td>
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</table>

Total Clock Hours: 1,400
Automotive Service Technology

7264: Postsecondary Adult Vocational Certificate (1,800 Clock Hours)

CIP: 15.0803  
FL CIP: 0647060405  
SOC: 49-3023  
Entry Wage: $14.47/hour

This program is designed to prepare students for industry certification and employment in the automotive and automotive-related career fields. This program also provides supplemental training for persons previously or currently employed as automotive technicians.

The program follows the recommended instructional objectives set forth by National Automotive Technician’s Education Foundation and Automotive Service Excellence. It also helps prepare the student to take the national ASE Certification Exam.

The program content includes courses in the following automotive areas: engine repair, brake systems, steering-suspension and alignment, electrical-electronic systems, manual and automatic transmissions/transaxles, drive lines, air conditioning/heating systems, and engine performance diagnosis/troubleshooting. The program content also includes training in communications, leadership, human relations, employability skills and safe, efficient work practices.

Program Courses

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Clock Hours</th>
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<tbody>
<tr>
<td>SLS 0341</td>
<td>Successful Employment Techniques</td>
<td>90</td>
</tr>
<tr>
<td>AER 0593C</td>
<td>Brake Systems</td>
<td>90</td>
</tr>
<tr>
<td>AER 0930</td>
<td>Automotive Skill Development Lab or</td>
<td>810</td>
</tr>
<tr>
<td>AER 0932</td>
<td>Automotive Skill Development Lab II or</td>
<td></td>
</tr>
<tr>
<td>AER 0949</td>
<td>Automotive Cooperative Education</td>
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</tr>
<tr>
<td>AER 0499</td>
<td>Steering/Suspension and Alignment</td>
<td>90</td>
</tr>
<tr>
<td>AER 0691C</td>
<td>Automotive Electrical/Electronic Systems I</td>
<td>90</td>
</tr>
<tr>
<td>AER 0797C</td>
<td>Air Conditioning and Heating Systems</td>
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</tr>
<tr>
<td>AER 0891C</td>
<td>Engine Performance I</td>
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<td>Advanced Automotive</td>
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<tr>
<td>AER 0892C</td>
<td>Engine Performance II</td>
<td>90</td>
</tr>
<tr>
<td>AER 0190C</td>
<td>Engine Repair</td>
<td>90</td>
</tr>
<tr>
<td>AER 0399</td>
<td>Manual Transmissions/Drive Lines</td>
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</tr>
<tr>
<td>AER 0299</td>
<td>Automatic Transmissions/Transaxles</td>
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</table>

Total Clock Hours: 1,800

Barbering

7268: Postsecondary Adult Vocational Certificate (1,200 Clock Hours)

CIP: 12.0402  
FL CIP: 0612040200  
SOC: 39-5011  
Entry Wage: $11.19/hour

The Postsecondary Adult Vocational program in Barbering is no longer enrolling new students. Please go to http://www.cf.edu/departments/instruction/workforce/gerrity_index.htm for more information. Students who are currently enrolled in the program should contact an advisor if they have any questions.

This program is comprised of 1,200 hours of instruction consisting of both theoretical and practical training. Students will practice on mannequins and clients of the Personal Services Institute to develop and refine the skills used in barbering. Instruction is given in the fundamental knowledge behind the skills. Upon completion of the barbering program requirements, including 1,200 hours of training and all performance objectives, a certificate will be awarded and graduates are eligible to take the State Licensure Board Examination for either a full barber or a restricted barber license.

The Barbering program is offered as a night program only. It is a three-semester program in which classes are scheduled from 4-10 p.m., Monday through Friday; accumulating 6 hours/day, 5 days/week for 16 weeks during fall and spring semesters (480 hours each), and 6 hours/day, 4 days/week for 10 weeks during Summer C for 240 hours, for a total of 1,200 clock hours.

Program Courses

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Clock Hours</th>
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</thead>
<tbody>
<tr>
<td>COS 0080</td>
<td>Barbering/Cosmetology Lab (2) (^1)</td>
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<tr>
<td>COS 0081</td>
<td>Barbering/Cosmetology Lab II</td>
<td>120</td>
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<tr>
<td>COS 0082</td>
<td>Barbering/Cosmetology Lab III</td>
<td>120</td>
</tr>
<tr>
<td>COS 0320</td>
<td>Shaves, Beards, Mustache Trim</td>
<td>120</td>
</tr>
<tr>
<td>COS 0400</td>
<td>Hair Design</td>
<td>120</td>
</tr>
<tr>
<td>COS 0500</td>
<td>Introduction to Barbering</td>
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</tr>
<tr>
<td>COS 0644</td>
<td>Chemical Hair and Restructuring</td>
<td>120</td>
</tr>
<tr>
<td>COS 0700</td>
<td>Hair Color and Bleach</td>
<td>120</td>
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<tr>
<td>COS 0870</td>
<td>Salon Management</td>
<td>60</td>
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<tr>
<td>CSP 0006</td>
<td>Diseases and Disorders of the Skin</td>
<td>120</td>
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</tbody>
</table>

Total Clock Hours: 1,200

\(^1\)COS 0080 must be taken two times for a total of 180 clock hours.
Commercial Vehicle Driving

7270: Postsecondary Adult Vocational Certificate (320 Clock Hours)

CIP: 49.0205  
FL CIP: 0649020500  
SOC: 53-3032  
Entry Wage: $12.22/hour

The purpose of this program is to prepare students for employment as tractor trailer/truck drivers. This program also provides supplemental training for persons previously or currently employed in these occupations. The Commercial Vehicle Driving program is certified by the Florida Department of Highway Safety and Motor Vehicles, Neil Kirkman Building, 2900 Apalachee Parkway, Tallahassee, FL 32399-0500, email HSMV-Info@flhsmv.gov.

The course content includes operation of large semi-truck tractor vehicles including backing, coupling and uncoupling, on-the-road driving and pre-trip inspections, understanding and compliance with hours of service regulations, and maintaining a complete and accurate driver's log.

Special Note: Students entering this program must exhibit a safe driving record, be at least 21 years of age, and comply with state and federal licensing requirements. Applicants must pass the Florida Department of Transportation physical and drug screening.

Program Courses

<table>
<thead>
<tr>
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<th>Course Title</th>
<th>Clock Hours</th>
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<tbody>
<tr>
<td>TRA 0081</td>
<td>Commercial Vehicle Driving</td>
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<tr>
<td></td>
<td>Total Clock Hours</td>
<td>320</td>
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</tbody>
</table>

Correctional Officer

7245: Postsecondary Adult Vocational Certificate (420 Clock Hours)

CIP: 430102  
FL CIP: 0743010200  
SOC: 33-3012  
Entry Wage: $10.00/hour

This program is designed for students who seek certification as corrections officers. Graduates will be eligible to sit for the state's certification examination. The program is certified by the Florida Department of Law Enforcement, Criminal Justice Standards and Training Commission, P.O. Box 1489, Tallahassee, FL 32302-1489, telephone 850-410-8600.


Admission Criteria

Note: Chapter 790.23 F.S. prohibits the possession of a firearm or ammunition by a person who as a juvenile was found to have committed a delinquent act that would be a felony if committed by an adult until the person is 24 years of age. This would require the applicant to wait until they are 24 to attend the basic recruit training.

To apply for admission into the Correctional Officer or Law Enforcement Officer certificate program, each applicant must:

- be at least 19 years of age prior to completing the program
- be a citizen of the United States
- possess a high school diploma or GED
- not have been convicted of any felony or of a misdemeanor involving perjury or false statement
- not have been discharged dishonorably from the military (if applicable)
- be of good moral character
- pass a background investigation
- pass a physical examination by a licensed physician (M.D. or D.O.), physician’s assistant, or an authorized advanced registered nurse practitioner within six months of the start of class
- be in good academic standing at College of Central Florida
- must pass the Corrections version of the Florida Basic Abilities Test, COBAT.

In addition, the applicant must submit:

1. a copy of scores on the COBAT for Corrections which must be less than four years old (from the start of class)
2. a completed/signed College of Central Florida Criminal Justice Institute Applicant Questionnaire.

Note: All the above information must be submitted as a package.

Admission to the program will be based on:

- review of package
- completed questionnaire
- medical examination
- background investigation.

Program Courses

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Clock Hours</th>
</tr>
</thead>
<tbody>
<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>12</td>
</tr>
<tr>
<td>CJK 0315</td>
<td>Facilities and Equipment</td>
<td>12</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>
<tr>
<td>CJK 0031C</td>
<td>First Aid</td>
<td>40</td>
</tr>
<tr>
<td>CJK 0040</td>
<td>Firearms</td>
<td>80</td>
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<tr>
<td>CJK 0051</td>
<td>Defensive Tactics</td>
<td>80</td>
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<tr>
<td></td>
<td>Total Clock Hours</td>
<td>420</td>
</tr>
</tbody>
</table>
**Cosmetology**

7267: Postsecondary Adult Vocational Certificate (1,200 Clock Hours)

CIP: 12.0401  
FL CIP: 0612040315  
SOC: 39-5012  
**Entry Wage:** $11.19

The Postsecondary Adult Vocational program in Cosmetology is no longer enrolling new students. Please go to [http://www.cf.edu/departments/instruction/workforce/hunt_index.htm](http://www.cf.edu/departments/instruction/workforce/hunt_index.htm) for more information. Students who are currently enrolled in the program should contact an advisor if they have any questions.

Cosmetology involves the study of the hair, skin and nails for aesthetic reasons. The program provides both theoretical and practical training. Students will practice on mannequins and clients of the Personal Services Institute to develop and refine the skills used in cosmetology. Instruction is given in the fundamental knowledge behind the skills. Upon completion of the Cosmetology program requirements, including 1,200 hours of training and all performance objectives, a certificate will be awarded and graduates are eligible to take the State Licensure Board Examination for cosmetology.

The Cosmetology program is offered as a day program only. It is a three-semester program in which students attend classes from 8 a.m. to 3:30 p.m., Monday through Thursday; accumulating 7.5 hours/day, 4 days/week for 15 weeks during the fall and spring semesters (450 hours each) and 7.5 hours/day, 4 days/week for 10 weeks in Summer C for 300 hours, for a total of 1,200 clock hours.

**Program Courses**

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Clock Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>COS 0001</td>
<td>Introduction to Cosmetology</td>
<td>120</td>
</tr>
<tr>
<td>COS 0080</td>
<td>Barbering/Cosmetology Lab (2)(^1)</td>
<td>180</td>
</tr>
<tr>
<td>COS 0081</td>
<td>Barbering/Cosmetology Lab II</td>
<td>120</td>
</tr>
<tr>
<td>COS 0082</td>
<td>Barbering/Cosmetology Lab III</td>
<td>120</td>
</tr>
<tr>
<td>COS 0400</td>
<td>Hair Design</td>
<td>120</td>
</tr>
<tr>
<td>COS 0644</td>
<td>Chemical Hair and Restructuring</td>
<td>120</td>
</tr>
<tr>
<td>COS 0700</td>
<td>Hair Color and Bleach</td>
<td>120</td>
</tr>
<tr>
<td>COS 0870</td>
<td>Salon Management</td>
<td>60</td>
</tr>
<tr>
<td>CSP 0006</td>
<td>Diseases and Disorders of the Skin</td>
<td>120</td>
</tr>
<tr>
<td>CSP 0010</td>
<td>Manicure and Pedicure</td>
<td>120</td>
</tr>
</tbody>
</table>

\(^1\)COS 0080 must be taken two times for a total of 180 clock hours.

---

**Law Enforcement Officer**

7253: Postsecondary Adult Vocational Certificate (770 Clock Hours)

CIP: 43.0107  
FL CIP: 0743010700  
SOC: 33-3051  
**Entry Wage:** $15.42/hour

This program is designed for students who seek certification as law enforcement officers. Graduates will be eligible to sit for the state’s certification examination. The program is certified by the Florida Department of Law Enforcement, Criminal Justice Standards and Training Commission, P.O. Box 1489, Tallahassee, FL 32302-1489, telephone 850-410-8600.


**Admission Criteria**

**Note:** Chapter 790.23 F.S. prohibits the possession of a firearm or ammunition by a person who as a juvenile was found to have committed a delinquent act that would be a felony if committed by an adult until the person is 24 years of age. This would require the applicant to wait until they are 24 to attend the basic recruit training.

To apply for admission into the Corrections Officer or Law Enforcement Officer certificate program, each applicant must:

- be at least 19 years of age prior to completing the program
- be a citizen of the United States
- possess a high school diploma or GED
- not have been convicted of any felony or of a misdemeanor involving perjury or false statement
- not have been discharged dishonorably from the military (if applicable)
- be of good moral character
- pass a background investigation
- pass the Physical Abilities Test/Course (PAC) within six months of the start of class
- pass a physical examination by a licensed physician (M.D. or D.O.) or physician’s assistant within six months of the start of class
- be in good academic standing at College of Central Florida
- pass the Law Enforcement version of the Florida Basic Abilities Test, LEBAT.

In addition, the applicant must submit:

1. a copy of scores on the LEBAT for Law Enforcement which must be less than two years old from the start of class
2. a completed/signed College of Central Florida Criminal Justice Institute Applicant Questionnaire.

**Note:** All the above information must be submitted as a package.
Admission to the program will be based on:
- review of package
- completed questionnaire
- medical examination
- background investigation
- Physical Abilities Test/Course, PAC.

Program Core Courses

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Clock Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CJK 0007</td>
<td>Introduction to Law Enforcement</td>
<td>11</td>
</tr>
<tr>
<td>CJK 0008</td>
<td>Legal</td>
<td>69</td>
</tr>
<tr>
<td>CJK 0011</td>
<td>Human Issues</td>
<td>40</td>
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<tr>
<td>CJK 0017</td>
<td>Communications</td>
<td>79</td>
</tr>
<tr>
<td>CJK 0020</td>
<td>Vehicle Operations</td>
<td>48</td>
</tr>
<tr>
<td>CJK 0031C</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>Defensive Tactics</td>
<td>80</td>
</tr>
<tr>
<td>CJK 0061</td>
<td>Patrol I</td>
<td>58</td>
</tr>
<tr>
<td>CJK 0062</td>
<td>Patrol II</td>
<td>40</td>
</tr>
<tr>
<td>CJK 0071</td>
<td>Criminal Investigations</td>
<td>56</td>
</tr>
<tr>
<td>CJK 0076</td>
<td>Crime Scene Investigations</td>
<td>24</td>
</tr>
<tr>
<td>CJK 0082</td>
<td>Traffic Stops</td>
<td>24</td>
</tr>
<tr>
<td>CJK 0083</td>
<td>DUI Traffic Stops</td>
<td>24</td>
</tr>
<tr>
<td>CJK 0086</td>
<td>Traffic Crash Investigations</td>
<td>32</td>
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<tr>
<td>CJK 0096</td>
<td>Physical Fitness</td>
<td>60</td>
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<tr>
<td>CJK 0422</td>
<td>Dart Firing Stun Gun</td>
<td>8</td>
</tr>
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<td></td>
<td>Total Clock Hours</td>
<td>770</td>
</tr>
</tbody>
</table>

Practical Nursing

7230: Postsecondary Adult Vocational Certificate (1,350 Clock Hours)

CIP: 51.1613
FL CIP: 0317060500
SOC: 29-2061

Entry Wage: $16.00 – $18.00/hour

The Postsecondary Adult Vocational program in Practical Nursing is no longer enrolling new students. Please go to http://www.cf.edu/departments/instruction/health/pn/ for more information. Students who are currently enrolled in the program should contact an advisor if they have any questions.

The Practical Nursing program focuses on the implementation of nursing skills with healthy aging persons and patients experiencing common, well-defined health problems in the acute or chronic stages. The program is one year or 1,350 hours in length. It is approved by the Florida Board of Nursing and accredited by the National League for Nursing Accrediting Commission, 3343 Peachtree Road, NE, Suite 850, Atlanta, Georgia, 30326; telephone 866-747-9916. The program begins in January of each year. Upon completion of the requirements of the program, graduates are eligible to apply for licensure including taking the licensing examination, NCLEX-PN, enabling them to practice as Licensed Practical Nurses.

This is a limited access program with specific admission criteria and a separate application procedure. Applications are accepted Sept. 10-21. Application directions are explained in required online information session, online at http://www.cf.edu/prospective/infosessions/.

The program policies including attendance, grading, progression, clinical behaviors, and readmission guidelines are found in the student handbook that each student obtains upon beginning the Practical Nursing program.

Program Courses

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Clock Hours</th>
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</thead>
<tbody>
<tr>
<td>BSC 0070</td>
<td>Anatomy and Physiology for Health Occupations</td>
<td>45</td>
</tr>
<tr>
<td>PRN 0040</td>
<td>Personal, Family and Community Health</td>
<td>30</td>
</tr>
<tr>
<td>PRN 0020</td>
<td>Human Growth and Development Through the Life Span</td>
<td>30</td>
</tr>
<tr>
<td>PRN 0070</td>
<td>Practical Nursing Nutrition</td>
<td>30</td>
</tr>
<tr>
<td>PRN 0500</td>
<td>Gerontological Nursing</td>
<td>30</td>
</tr>
<tr>
<td>PRN 0000C</td>
<td>Fundamentals for Practical Nursing</td>
<td>300</td>
</tr>
<tr>
<td>PRN 0100</td>
<td>Maternal Nursing</td>
<td>75</td>
</tr>
<tr>
<td>PRN 0110</td>
<td>Pediatric Nursing</td>
<td>75</td>
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<tr>
<td>PRN 0030</td>
<td>Pharmacology I for Practical Nursing</td>
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<td>PRN 0031</td>
<td>Pharmacology II for Practical Nursing</td>
<td>30</td>
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<tr>
<td>PRN 0381C</td>
<td>Medical Surgical Nursing I</td>
<td>180</td>
</tr>
<tr>
<td>PRN 0382C</td>
<td>Medical Surgical Nursing II</td>
<td>465</td>
</tr>
<tr>
<td>PRN 0010</td>
<td>Vocational Relations</td>
<td>30</td>
</tr>
<tr>
<td></td>
<td>Total Clock Hours</td>
<td>1,350</td>
</tr>
</tbody>
</table>

Note:
- One vocational credit = 30 clock hours.
- Before entering the program a professional level CPR card is required and must be kept current throughout the program.
- All Health Sciences candidates must undergo a criminal background check. Candidates with a criminal record may not be eligible for any CF Health Sciences program.
- Upon acceptance into the program, a medical examination documenting sound physical and mental health, TB testing, and proof of immunization are required.
- All students are responsible for their own health/hospitalization insurance. Professional liability insurance is included in college fees.
- It is necessary that students have reliable transportation to the assigned hospitals and clinical facilities, which are located in Citrus, Levy and Marion counties.
- The CF service district is Citrus, Levy and Marion counties. In-district residents will be accepted into the nursing programs first before any consideration will be given to out-of-district applicants.
Surgical Technology

7224: Postsecondary Adult Vocational Certificate (1,330 Clock Hours)

CIP: 51.0909
FL CIP: 0351090900
SOC: 29-2055
Entry Wage: $14.23

This program is accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP), 1361 Park Street, Clearwater, FL 33756, telephone 727-210-2350, website http://www.caahep.org. Surgical Technologists are an integral part of the operating room team providing care to surgical patients. Surgical Technologists work under the direction of a surgeon and facilitate the surgical procedure by preparing and providing the necessary instrumentation, supplies, and assistance needed for the surgical procedure. The Surgical Technologist functions with a sterile conscience and maintains and ensures the highest standard of sterile technique throughout the process.

Surgical Technology students are provided a curriculum that combines a heavy focus on human anatomy and disease, microbiology, surgical procedures, surgical tools and technologies to enable them to graduate with entry-level knowledge and competencies. More than 600 hours of guided clinical practice are provided in a variety of surgical settings including inpatient and outpatient surgical and obstetrical units. Students gain experience and have exposure to the latest cutting-edge surgical technologies.

Graduates are administered the National Certification Exam given by the National Board of Surgical Technology and Surgical Assisting.

This is a limited access program with a deadline to apply. Application directions are distributed at required information sessions. Call 352-873-5817 for dates and times of information sessions or view online at http://www.cf.edu/health/.

The program policies including attendance, grading, clinical behaviors and readmission guidelines are found in the student handbook that each student obtains once admitted to the Surgical Technology program.

Program Courses

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Clock Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>STS 0003</td>
<td>Introduction to Surgical Technology</td>
<td>510</td>
</tr>
<tr>
<td>STS 0810</td>
<td>Surgical Technology I</td>
<td>550</td>
</tr>
<tr>
<td>STS 0820</td>
<td>Surgical Technology II</td>
<td>270</td>
</tr>
<tr>
<td>Total Clock Hours</td>
<td></td>
<td>1,330</td>
</tr>
</tbody>
</table>

Note:
- Federal criminal background check is required for admission. Persons who have a felony history may not be eligible for admission to any CF Health Sciences program, including Surgical Technology.
- When more qualified students apply than can be accepted, those not accepted to the program are placed on a wait list.
- Upon acceptance into the program, a medical examination, eye exam, and proof of immunization are required.
- Accident insurance is included in lab fee. Professional liability insurance is included in college fees.
- It is necessary that students have reliable transportation to the assigned hospitals and clinical facilities which may be up to 50 miles from Ocala.

Applied Welding Technologies

7281: Postsecondary Adult Vocational Certificate (1,170 Clock Hours)

CIP: 48.0508
FL CIP: 0648050802
SOC: 51-4121
Entry Wage: $13.94/hour

Applied Welding Technologies will now be offered exclusively at our Jack Wilkinson Levy Campus. For information contact the Levy Center at 352-493-9533.

The purpose of this program is to prepare students for industry certification and employment as welders and flame cutters, tack welders, welder assemblers, arc cutters, arc welders, combination welders and production line welders, and provides supplemental training for individuals previously or currently employed in these occupations. The content of this program includes communication skills, leadership skills, human relations and employability skills, and safe and efficient work practices. Also included are the use of gases and/or welding processes to assemble parts according to diagrams, blueprints or written specifications.

Program Courses

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Clock Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PMT 0102</td>
<td>Introduction to Welding</td>
<td>120</td>
</tr>
<tr>
<td>PMT 0111</td>
<td>Oxyacetylene Welding</td>
<td>120</td>
</tr>
<tr>
<td>PMT 0121</td>
<td>Shielded Metal Arc Welding</td>
<td>120</td>
</tr>
<tr>
<td>PMT 0121</td>
<td>Shielded Metal Arc Welding</td>
<td>120</td>
</tr>
<tr>
<td>PMT 0134</td>
<td>Gas Metal Arc Welding</td>
<td>120</td>
</tr>
<tr>
<td>PMT 0930L</td>
<td>Welding Skill Development Lab</td>
<td>60</td>
</tr>
<tr>
<td>PMT 0131</td>
<td>Gas Tungsten Arc Welding</td>
<td>90</td>
</tr>
<tr>
<td>PMT 0131</td>
<td>Gas Tungsten Arc Welding</td>
<td>90</td>
</tr>
<tr>
<td>PMT 0161</td>
<td>Pipe Welding</td>
<td>90</td>
</tr>
<tr>
<td>PMT 0161</td>
<td>Pipe Welding</td>
<td>90</td>
</tr>
<tr>
<td>PMT 0930L</td>
<td>Welding Skill Development Lab</td>
<td>60</td>
</tr>
</tbody>
</table>

Total Clock Hours 1,170
Bachelor of Applied Science in Business and Organizational Management

CIP: 520299  
FL CIP: 1105202990

The Bachelor of Applied Science, B.A.S., in Business and Organizational Management program is designed to prepare students to become effective leaders in organizations and society. Specializations in Agribusiness Management, Management Information Systems, Health Care Management, and Public Safety Administration will prepare graduates for administrative/managerial positions in agriculture, business, information technology, health services, government, criminal justice, fire services and other organizations.

Students accepted for these programs must have completed either an Associate in Arts, Associate in Science or Associate in Applied Science degree in an appropriate field, and have a minimum GPA of 2.0. A minimum of 60 credits from the student’s associate degree will count toward completion of the program. Additional General Education and/or technical specialization courses may be required. Students pursuing a degree in the Health Care Management specialization are also required to hold certification or licensure in a health-related discipline prior to admission into the program. Students should work closely with their advisor to ensure that all program requirements are met.

Business and Organizational Management

B101: Bachelor of Applied Science in Business and Organizational Management

Required Technical Specialization Courses*

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEB 1011</td>
<td>Introduction to Business</td>
<td>3</td>
</tr>
<tr>
<td>ECO 2023</td>
<td>Principles of Economics — Micro</td>
<td>3</td>
</tr>
<tr>
<td>CGS 1100</td>
<td>Microcomputer Applications</td>
<td>3</td>
</tr>
<tr>
<td>BUL 2241</td>
<td>Business Law I</td>
<td>3</td>
</tr>
<tr>
<td>ACG 2021</td>
<td>Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>MAN 2021 or MNA 2141</td>
<td>Principles of Management or Basic Leadership/Supervisory Skills</td>
<td>3</td>
</tr>
<tr>
<td>MAR 2011</td>
<td>Principles of Marketing</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Hours 21

Program Core Courses

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAN 3303</td>
<td>Management and Leadership</td>
<td>3</td>
</tr>
<tr>
<td>COM 3120</td>
<td>Organizational Communications</td>
<td>3</td>
</tr>
<tr>
<td>ACG 3024</td>
<td>Accounting for Nonfinancial Majors</td>
<td>3</td>
</tr>
<tr>
<td>BUL 3130</td>
<td>The Legal and Ethical Environment of Business</td>
<td>3</td>
</tr>
<tr>
<td>MAN 4940</td>
<td>Internship in Business and Organizational Management</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Hours 15

Program Specialization Courses

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAN 4162</td>
<td>Customer Relations for Managers</td>
<td>3</td>
</tr>
<tr>
<td>ISM 3011</td>
<td>Introduction to Information Systems</td>
<td>3</td>
</tr>
<tr>
<td>MAN 3240</td>
<td>Applied Organizational Behavior</td>
<td>3</td>
</tr>
<tr>
<td>MAR 3802</td>
<td>Marketing for Managers</td>
<td>3</td>
</tr>
<tr>
<td>ENT 4003 or MAN 3860</td>
<td>Principles of Entrepreneurship or Nonprofit Organizational Management</td>
<td>3</td>
</tr>
<tr>
<td>GEB 4891</td>
<td>Strategic Management and Decision Making</td>
<td>3</td>
</tr>
<tr>
<td>MAN 4301</td>
<td>Human Resource Management</td>
<td>3</td>
</tr>
<tr>
<td>MAN 4900</td>
<td>Capstone in Organizational Management</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Hours — Core and Specialization 39
Credit Hours from Associate Degree 60
Required Technical Courses 21
Total Program Hours 120

* Note: Courses in this section will be comprised of Required Technical Specialization courses and/or General Education courses needed to fulfill the requirements of the program. Actual coursework required will vary based on the student’s associate-level coursework. Students will work with their advisor to choose the necessary coursework for their program. A total of 21 credit hours is required.
**Business and Organizational Management – Agribusiness Management Specialization**

**B102: Bachelor of Applied Science in Business and Organizational Management – Agribusiness Management Specialization**

The Agribusiness specialization under the Business and Organizational Management Bachelor of Applied Science degree enables students to develop supervisory skills and knowledge for farm and agricultural development and in support of business and other farm-related organizations. This program is designed for students with an associate degree in fields such as agriculture, equine, landscape and horticulture, and animal science.

**Required Technical Specialization Courses***

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANS 1003 or ANS 1236</td>
<td>Introduction to Animal Science or Introduction to Equine Science</td>
<td>3</td>
</tr>
<tr>
<td>ORH 1601C or ORH 1301C</td>
<td>Retail and Wholesale Nursery or Introduction to Irrigation or Equine Behavior</td>
<td>3</td>
</tr>
<tr>
<td>ANS 1238C</td>
<td>Equine Business Management</td>
<td>3</td>
</tr>
<tr>
<td>AEB 2137C</td>
<td>Pest and Disease Control or Equine Health Care</td>
<td>3</td>
</tr>
<tr>
<td>ECO 2013 or ECO 2023</td>
<td>Principles of Economics — Macro or Principles of Economics — Micro</td>
<td>3</td>
</tr>
<tr>
<td>AGG 2001 or AGS 2403</td>
<td>Introduction to Food Science or Equine Nutrition</td>
<td>3</td>
</tr>
<tr>
<td>ANS 1223</td>
<td>Equine Conformation Analysis</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Hours** 21

* Note: Courses in this section will be comprised of Required Technical Specialization courses and/or General Education courses needed to fulfill the requirements of the program. Actual coursework required will vary based on the student's associate-level coursework. Students will work with their advisor to choose the necessary coursework for their program. A total of 21 credit hours is required.

**Program Core Courses**

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAN 3303</td>
<td>Management and Leadership</td>
<td>3</td>
</tr>
<tr>
<td>COM 3120</td>
<td>Organizational Communications</td>
<td>3</td>
</tr>
<tr>
<td>ACG 3024</td>
<td>Accounting for Nonfinancial Majors</td>
<td>3</td>
</tr>
<tr>
<td>BUL 3130</td>
<td>The Legal and Ethical Environment of Business</td>
<td>3</td>
</tr>
<tr>
<td>MAN 4940</td>
<td>Internship in Business and Organizational Management</td>
<td>3</td>
</tr>
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</table>

**Total Hours** 15

---

**Program Specialization Courses**

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASG 3930</td>
<td>Special Topics: Applied Animal Industries — Equine</td>
<td>1</td>
</tr>
<tr>
<td>AOM 3073</td>
<td>Safety in Agriculture</td>
<td>3</td>
</tr>
<tr>
<td>ASG 3931</td>
<td>Special Topics: Applied Animal Industries — Food Animal Production</td>
<td>1</td>
</tr>
<tr>
<td>AEB 4223</td>
<td>Agricultural Policy and Regulations</td>
<td>3</td>
</tr>
<tr>
<td>AEB 3015</td>
<td>Economic Development and Growth in Agribusiness</td>
<td>3</td>
</tr>
<tr>
<td>AEB 3933</td>
<td>Special Topics: Applied Crop and Plant Production</td>
<td>1</td>
</tr>
<tr>
<td>AEB 3146</td>
<td>Financial Planning for Agribusiness</td>
<td>3</td>
</tr>
<tr>
<td>AEB 3300</td>
<td>Agricultural Marketing and Sales</td>
<td>3</td>
</tr>
<tr>
<td>AOM 4015</td>
<td>Agricultural Marketing and Systems</td>
<td>3</td>
</tr>
<tr>
<td>AEB 4931</td>
<td>Capstone Project in Agribusiness</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Hours — Core and Specialization** 39

**Credit Hours from Associate Degree** 60

**Required Technical Courses** 21

**Total Program Hours** 120

---

**Business and Organizational Management – Management Information Systems Specialization**

**B103: Bachelor of Applied Science in Business and Organizational Management – Management Information Systems Specialization**

The Management Information Systems specialization enables students to develop skills and knowledge for information systems development and support for business and other organizations. The focus is on the business side of the information systems including: decision support, information systems management and global strategies as well as other aspects of information systems. The program is designed for students who have an associate degree in computer information technology, computer programming or other related fields.

**Required Technical Specialization Courses***

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CGS 1100</td>
<td>Microcomputer Applications</td>
<td>3</td>
</tr>
<tr>
<td>COP 1332</td>
<td>Programming in Visual Basic.net</td>
<td>3</td>
</tr>
<tr>
<td>CGS 2557</td>
<td>Internet Technologies</td>
<td>3</td>
</tr>
<tr>
<td>CTS 2120</td>
<td>Security Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>CGS 2540</td>
<td>Database Management Systems</td>
<td>3</td>
</tr>
<tr>
<td>CGS 2103</td>
<td>Spreadsheet Applications</td>
<td>3</td>
</tr>
<tr>
<td>CGS 2871</td>
<td>Multimedia Computer Applications</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Hours** 21

* Note: Courses in this section will be comprised of Required Technical Specialization courses and/or General Education courses needed to fulfill the requirements of the program. Actual coursework required will vary based on the student's associate-level coursework. Students will work with their advisor to choose the necessary coursework for their program. A total of 21 credit hours is required.

---

Baccalaureate Degrees
Baccalaureate Degrees

<table>
<thead>
<tr>
<th>Program Core Courses</th>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAN 3303</td>
<td>Management and Leadership</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>COM 3120</td>
<td>Organizational Communications</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>ACG 3024</td>
<td>Accounting for Nonfinancial Majors</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>BUL 3130</td>
<td>The Legal and Ethical Environment of Business</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>MAN 4940</td>
<td>Internship in Business and Organizational Management</td>
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<td><strong>15</strong></td>
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<table>
<thead>
<tr>
<th>Program Specialization Courses</th>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISM 3011</td>
<td>Introduction to Information Systems Management</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>ISM 3113</td>
<td>Information Systems Analysis and Design (Database)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>ISM 4212</td>
<td>Management Information Systems (Database)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>ISM 3930</td>
<td>Special Topics: Emerging Technologies</td>
<td>1</td>
<td></td>
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<tr>
<td>ISM 3930</td>
<td>Special Topics: Security</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>ISM 3930</td>
<td>Special Topics: Applied Project Management</td>
<td>1</td>
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</tr>
<tr>
<td>ISM 4233</td>
<td>Information System Interface Design (Visual Basic)</td>
<td>3</td>
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<tr>
<td>ISM 4382</td>
<td>Global Information Systems</td>
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<tr>
<td>CGS 4854</td>
<td>Website Administration</td>
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<tr>
<td>ISM 4330</td>
<td>Capstone in Management Information Systems</td>
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<tr>
<td><strong>Total Hours — Core and Specialization</strong></td>
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<tr>
<td><strong>Credit Hours from Associate Degree</strong></td>
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<tr>
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<tr>
<td><strong>Total Program Hours</strong></td>
<td><strong>120</strong></td>
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</table>

Business and Organizational Management – Health Care Management Specialization

B104: Bachelor of Applied Science in Business and Organizational Management – Health Care Management Specialization

The Health Care Management specialization enables students to develop skills and knowledge for health organizations such as hospitals and all other providers of health care. The focus of the specialization is on the supervisory skills needed for advancement in the field of health care for clinicians, new and mid-level managers.

General Education/Technical Specialization Courses

Courses in this section will be comprised of those General Education or area-related Technical Specialization courses needed to fulfill the requirements of the program. These courses will vary based on the student’s associate-level coursework. Students will work with their advisor to choose the necessary coursework for their program. A total of 21 credit hours is required. Successful completion of an associate degree in Nursing, Emergency Medical Services, Physical Therapist Assistant or other health care profession major is required. Students with an associate degree in a nonhealth related program must first obtain certification or licensure in a health-related discipline.

<table>
<thead>
<tr>
<th>Program Core Courses</th>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAN 3303</td>
<td>Management and Leadership</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>COM 3120</td>
<td>Organizational Communications</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>ACG 3024</td>
<td>Accounting for Nonfinancial Majors</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>BUL 3130</td>
<td>The Legal and Ethical Environment of Business</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>MAN 4940</td>
<td>Internship in Business and Organizational Management</td>
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<table>
<thead>
<tr>
<th>Program Specialization Courses</th>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HSA 3111</td>
<td>Survey of American Health Care Systems</td>
<td>3</td>
<td></td>
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<tr>
<td>HSC 3652</td>
<td>Health Care Ethics</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>HSA 4421</td>
<td>Policy and Legal Aspects of Health Care</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>HSA 4110</td>
<td>Management Foundations of Health Care Research</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>HSA 3170</td>
<td>Health Care Financial Management</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>HSA 3340</td>
<td>Human Resource Management for Health Care</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>HSA 4922</td>
<td>Capstone in Health Care Management</td>
<td>6</td>
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<tr>
<td><strong>Total Hours — Core and Specialization</strong></td>
<td><strong>39</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Credit Hours from Associate Degree</strong></td>
<td><strong>60</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Required Technical Courses</strong></td>
<td><strong>21</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Total Program Hours</strong></td>
<td><strong>120</strong></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Business and Organizational Management – Public Safety Administration Specialization

B105: Bachelor of Applied Science in Business and Organizational Management – Public Safety Administration Specialization

The Public Safety Administration specialization prepares students for administrative/managerial positions in law enforcement, fire services, corrections, security, and in emergency medical services. The program develops knowledge, skills and abilities that help students to understand management, finance and budgets in public safety organizations. This program also prepares graduates for advancement in all public safety organizations. The program is
designed for students who have an associate degree in a public safety program such as criminal justice, fire science, emergency management and emergency medical services.

Required Technical Specialization Courses*

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CCJ 1020</td>
<td>Introduction to the Criminal Justice System</td>
<td>3</td>
</tr>
<tr>
<td>CJL 2130</td>
<td>Criminal Law, Evidence and Procedures</td>
<td>3</td>
</tr>
<tr>
<td>CJC 1000</td>
<td>Introduction to Corrections</td>
<td>3</td>
</tr>
<tr>
<td>CCJ 2010</td>
<td>Criminology</td>
<td>3</td>
</tr>
<tr>
<td>CJJ 1002</td>
<td>Juvenile Delinquency</td>
<td>3</td>
</tr>
<tr>
<td>DSC 1212</td>
<td>Introduction to Emergency Management Systems</td>
<td>3</td>
</tr>
<tr>
<td>CJE 2600</td>
<td>Introduction to Criminal Investigation</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Hours 21

* Note: Courses in this section will be comprised of Required Technical Specialization courses and/or General Education courses needed to fulfill the requirements of the program. Actual coursework required will vary based on the student’s associate-level coursework. Students will work with their advisor to choose the necessary coursework for their program. A total of 21 credit hours is required. Courses with the following prefixes may also be applied toward satisfaction of technical specialization requirements: CCJ, CJC, CJE, CJJ, CJL, DSC, EMS, FES or FFP.

Program Core Courses

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAN 3303</td>
<td>Management and Leadership</td>
<td>3</td>
</tr>
<tr>
<td>COM 3120</td>
<td>Organizational Communications</td>
<td>3</td>
</tr>
<tr>
<td>ACG 3024</td>
<td>Accounting for Nonfinancial Majors</td>
<td>3</td>
</tr>
<tr>
<td>BUL 3130</td>
<td>The Legal and Ethical Environment of Business</td>
<td>3</td>
</tr>
<tr>
<td>MAN 4940</td>
<td>Internship in Business and Organizational Management</td>
<td>3</td>
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</table>

Total Hours 15

Program Specialization Courses

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>DSC 3079</td>
<td>Foundations of Public Safety</td>
<td>3</td>
</tr>
<tr>
<td>DSC 3215</td>
<td>Emergency Planning</td>
<td>3</td>
</tr>
<tr>
<td>DSC 4226</td>
<td>National Incident Management</td>
<td>3</td>
</tr>
<tr>
<td>DSC 4755</td>
<td>National Security</td>
<td>3</td>
</tr>
<tr>
<td>DSC 4931</td>
<td>Selected Topics in Public Safety</td>
<td>3</td>
</tr>
<tr>
<td>CJL 3510</td>
<td>Prosecution and Adjudication</td>
<td>3</td>
</tr>
<tr>
<td>DSC 4013</td>
<td>Capstone Thesis Project in Public Safety</td>
<td>6</td>
</tr>
</tbody>
</table>

Total Hours — Core and Specialization 39
Credit Hours from Associate Degree 60
Required Technical Courses 21
Total Program Hours 120

Bachelor of Science in Early Childhood Education

B201: Bachelor of Science in Early Childhood Education

CIP: 13.1210
FL CIP: 1101312100

The Bachelor of Science in Early Childhood Education program offered through the Teacher Education department focuses on the development of children from birth through age 8, with emphasis on social, emotional, cognitive and linguistic components of child development. Individuals with an Associate in Arts degree or an Associate in Science degree in Early Childhood Education may further their education or advance their careers in education through this program.

Students accepted for these programs must have completed either an Associate in Arts, Associate in Science or Associate in Applied Science degree in an appropriate field, a GPA of 2.5 or higher, a passing score in the General Knowledge (GK) exam, and show successful completion of the following courses: EDF 2005 Introduction to the Teaching Profession, EDF 2085 Introduction to Diversity for Educators, and EME 2040 Introduction to Technology for Educators. A minimum of 60 credits from the student’s associate degree will count toward completion of the program. Additional General Education and/or Technical Specialization courses may be required.

Program Core Courses

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>LAE 4416</td>
<td>Children’s Literature for Educators</td>
<td>3</td>
</tr>
<tr>
<td>EEC 4301</td>
<td>Cognitive Experiences for Young Children</td>
<td>3</td>
</tr>
<tr>
<td>EEX 4201</td>
<td>Young Children with Special Needs</td>
<td>3</td>
</tr>
<tr>
<td>EEC 4219</td>
<td>Integrated Science and Mathematics for Young Children</td>
<td>3</td>
</tr>
<tr>
<td>EEC 3400</td>
<td>Family Literacy and Young Children</td>
<td>3</td>
</tr>
<tr>
<td>EEC 4624</td>
<td>Creative and Effective Experiences for Young Children</td>
<td>3</td>
</tr>
<tr>
<td>EEX 4231</td>
<td>Assessing Progress of Young Children with Special Needs</td>
<td>3</td>
</tr>
<tr>
<td>EDP 4503</td>
<td>Assessment, Evaluation and Diagnosis of the Young Child</td>
<td>3</td>
</tr>
<tr>
<td>EEC 4404</td>
<td>Relations Across Family, School and Community</td>
<td>3</td>
</tr>
<tr>
<td>EDG 4410</td>
<td>Classroom Management and Child Guidance</td>
<td>3</td>
</tr>
<tr>
<td>EEC 4940</td>
<td>Internship in Early Childhood</td>
<td>6</td>
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</table>

Total Hours 36

State Required Prerequisite Courses

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
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<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>
<tr>
<td>EME 2040</td>
<td>Introduction to Technology for Educators</td>
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</table>
### Required Technical Courses

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEC 1000</td>
<td>Introduction to Child Development and Education</td>
<td>3</td>
</tr>
<tr>
<td>CHD 1440C</td>
<td>Child Care Practicum I</td>
<td>3</td>
</tr>
<tr>
<td>EEC 1907</td>
<td>Observing and Recording Behavior</td>
<td>3</td>
</tr>
<tr>
<td>EEC 2001</td>
<td>Early Childhood Education</td>
<td>3</td>
</tr>
<tr>
<td>EEC 2200</td>
<td>Curriculum in Early Childhood</td>
<td>3</td>
</tr>
<tr>
<td>EEC 2300</td>
<td>Instructional Practices</td>
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<tr>
<td>CHD 1441C</td>
<td>Child Care Practicum II</td>
<td>3</td>
</tr>
<tr>
<td>EEC 1931</td>
<td>Child Care Seminar</td>
<td>2</td>
</tr>
<tr>
<td>L1N 2740</td>
<td>Applied Linguistics</td>
<td>3</td>
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</tbody>
</table>

Additional EEC, EEX or EDG course 3

Prerequisite and Technical Course Hours: 36

Total Program Hours:\(^1\) 123

Note: Total Program Hours also includes 60 credit hours of coursework completed at the associate degree level.

LIN 2740 Applied Linguistics is needed for ESOL endorsement. This course adds an additional three credits to the total program hours for a total of 123 credit hours.

### General Education/Technical Specialization Courses

Courses in this section will be comprised of those General Education or area-related Technical Specialization courses needed to fulfill the requirements of the program. These courses will vary based on the student’s associate-level coursework. Students will work with their advisor to choose the necessary coursework for their program.
The CF Educator Preparation Institute offers high quality, competency-based alternative teacher preparation, professional development, and training for substitute teachers and paraprofessionals. For current schedules and workshop listings, refer to http://www.cf.edu/departments/instruction/las/epi/.

The Alternative Certification Program is an alternative way to obtain Florida Teacher Certification. Participants must have a bachelor’s degree or above in an area other than education. The program uses a state-approved, collaborative community college model for competency-based teacher certification. Upon satisfactory completion of the program, participants are eligible to apply for Florida teacher certification. This is a limited access program. See Grading Scale on page 64 for information regarding the grading scale for this program.

Application information is distributed by the coordinator and/or the student development advisor at required information sessions. These are held on a scheduled basis. Call 352-854-2322, ext. 1597 or 1598, for dates and times of information sessions.

CIP: 5551399990

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Institutional Credits*</th>
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</thead>
<tbody>
<tr>
<td>EPI 0001</td>
<td>Classroom Management</td>
<td>3</td>
</tr>
<tr>
<td>EPI 0002</td>
<td>Instructional Strategies</td>
<td>3</td>
</tr>
<tr>
<td>EPI 0003</td>
<td>Technology</td>
<td>3</td>
</tr>
<tr>
<td>EPI 0004</td>
<td>Teaching and Learning Process</td>
<td>3</td>
</tr>
<tr>
<td>EPI 0010</td>
<td>Foundations – Research-based</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Practices in Reading</td>
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</tr>
<tr>
<td>EPI 0020</td>
<td>Professional Foundations</td>
<td>2</td>
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<tr>
<td>EPI 0940</td>
<td>Field Experience</td>
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<tr>
<td>EPI 0030</td>
<td>Diversity</td>
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<tr>
<td>EPI 0945</td>
<td>Field Experience</td>
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<tr>
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<td><strong>Total Institutional Credits</strong></td>
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* Institutional Credits transfer only to Florida colleges using the approved EPI model.

NOTE: Before applying to the ACP, we suggest that a Statement of Eligibility be obtained from the Florida Department of Education, www.fldoe.org/edcert.

A federal criminal background check and Florida Department of Law Enforcement fingerprinting are required prior to field experience. The FDLE fingerprinting must be completed by the school board where the field experience will be completed.

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Educator Preparation Institute Courses

EPI 0001

Module 1 – Classroom Management (3)
Corequisite: EPI 0004, EPI 0002, EPI 0003
Bachelor’s degree from an accredited institution and satisfactory criminal background check and fingerprinting process required. This course module prepares the participant to set up a classroom, establish classroom policies and procedures, create objective-based lesson plans, utilize various styles of presentation, employ varied teaching strategies, develop and administer various forms of assessment, integrate Sunshine State Standards into lesson development, establish and maintain cooperative relations with parents, and research professional literature to seek the best practices, and to hone the craft of effective instruction. A major focus of this course module is the ethical and legal obligations of the teaching profession. Participants will build a developmental, assessment and professional portfolio demonstrating mastery of competencies. Topics covered in this portion of Module 1 include: recording keeping, classroom management, school safety, Sunshine State Standards, creating content area objective based on lesson plans, conducting parent conferences, assessment techniques, implications of FCAT and other standardized tests, professional ethics, and school law and the teacher.

EPI 0002

Module 1 – Instructional Strategies (3)
Corequisite: EPI 0001, EPI 0003, EPI 0004
Bachelor’s degree from an accredited institution and satisfactory criminal background check and fingerprinting process required. This course module prepares the participant to set up a classroom, establish classroom policies and procedures, create objective-based lesson plans, utilize various styles of presentation, employ varied teaching strategies, develop and administer various forms of assessment, integrate Sunshine State Standards into lesson development, establish and maintain cooperative relations with parents, and research professional literature to seek the best practices, and to hone the craft of effective instruction. A major focus of this course module is the ethical and legal obligations of the teaching profession. Participants will build a developmental, assessment and professional portfolio demonstrating mastery of competencies. Topics covered in this portion of the module include: learning styles, Bloom’s Taxonomy, lesson plan development, varied instructional presentation styles, cooperative learning, group learning, contextual learning, project-based learning, behavioral management, and accommodations for exceptional students.
**EPI 0003**  
**Module 1 – Technology (3)**  
Corequisite: EPI 0004, EPI 0001, EPI 0002  
Bachelor’s degree from an accredited institution and satisfactory criminal background check and fingerprinting process required.  
This course module prepares the participant to set up a classroom, establish classroom policies and procedures, create objective-based lesson plans, utilize various styles on presentation, employ varied teaching strategies, develop and administer various forms of assessment, integrate Sunshine State Standards into lesson development, establish and maintain cooperative relations with parents, and research professional literature to seek the best practices, and to hone the craft of effective instruction. A major focus of this course module is the ethical and legal obligations of the teaching profession. Participants will build a developmental, assessment and professional portfolio demonstrating mastery of competencies. Topics covered in this portion of the module include: computer based record keeping, multimedia presentations, content area instructional strategies, Internet resources, Web quests, Web page development, computer-aided instruction, integration of technology and learning process, and copyright and fair use guidelines.

**EPI 0004**  
**Module 1 – Teaching and Learning Process (3)**  
Corequisite: EPI 0001, EPI 0003, EPI 0002  
Bachelor’s degree from an accredited institution and satisfactory criminal background check and fingerprinting process required.  
This course module prepares the participant to set up a classroom, establish classroom policies and procedures, create objective-based lesson plans, utilize various styles on presentation, employ varied teaching strategies, develop and administer various forms of assessment, integrate Sunshine State Standards into lesson development, establish and maintain cooperative relations with parents, and research professional literature to seek the best practices, and to hone the craft of effective instruction. A major focus of this course module is the ethical and legal obligations of the teaching profession. Participants will build a developmental, assessment and professional portfolio demonstrating mastery of competencies. Topics covered in this portion of Module 1 include: stages of theories development, learning theories, motivation and persistence, intelligence, exceptionalities, standardized thinking, critical thinking, multiple intelligences, second language acquisition.

**EPI 0010**  
**Module 2 – Foundations: Research-based Practices in Reading (3)**  
Bachelor’s degree from an accredited institution and satisfactory criminal background check and fingerprinting process required.  
This course provides substantive knowledge of language structure and function and cognition of phonemic awareness, phonics, fluency, vocabulary, and comprehension. Further, it provides knowledge of the integration of the reading components, instruction in this module is grounded in scientifically based reading as a mechanism to inform instructional practice. Topics covered in Module 2 include: evidence about learning to read, introduction to phonemes, morphemes, inflection, derivations, strategies for teaching basic decoding, building vocabulary, techniques for building fluency, vocabulary and reading comprehension, the reading and writing connection, and reading content areas.

**EPI 0020**  
**Module 3 – Professional Foundations (2)**  
Prerequisite: EPI 0010, EPI 0004, EPI 0001, EPI 0003, EPI 0002  
Bachelor’s degree from an accredited institution and satisfactory criminal background check and fingerprinting process required.  
This course provides the foundation for becoming a productive member of the teaching profession. The participants will gain understanding of the organization and administration of the public school, the laws governing teachers, the code of ethics, and the purpose of schools. This course develops a professional perspective and creates a sense of grounding in the profession of teaching. Topics covered in this portion of Module 3 include: history, philosophy, school governance, school finance, school law, ethics and excellence, purpose of schools, and continuing professional development.

**EPI 0030**  
**Module 4 – Diversity (2)**  
Prerequisite: EPI 0940  
Bachelor’s degree from an accredited institution and satisfactory criminal background check and fingerprinting process required.  
This course 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. Topics covered in this portion of Module 4 include: social class, religious, language, gender differences, culture and ethnicity, physical differences, prejudice and multicultural teaching.

**EPI 0940**  
**Module 3 – Field Experience (1)**  
Prerequisite: EPI 0940  
Bachelor’s degree from an accredited institution and satisfactory criminal background check and fingerprinting process required.  
This module provides the foundation for becoming a productive member of the teaching profession. The participants will gain 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.

**EPI 0945**  
**Module 4 – Field Experience (1)**  
Prerequisite: EPI 0940  
Bachelor’s degree from an accredited institution and satisfactory criminal background check and fingerprinting process required.  
This module provides the participants 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 participants to re-evaluate personal beliefs and prejudices that may adversely affect the learning process.
Cooperative Education Program

Cooperative Education is a planned academic program designed to provide degree-seeking students on-the-job experience related to their field of study and career objective. Co-op placements are available in business, industrial, governmental and educational organizations. Both the Cooperative Education coordinator and the faculty facilitator in the student’s chosen discipline work with the student to locate an appropriate training experience.

The Cooperative Education office reserves the right to accept or refuse students for co-op placement. A student who is receiving Vocational Rehabilitation funding must provide his or her medical limitations and work release statements.

To participate in cooperative education, students must:

- Have completed 12 hours of college credit and the necessary prerequisites for a specific program of study or area of interest.
- Have a minimum 2.0 grade point average overall and be in good academic standing.
- Register for the appropriate co-op course through the co-op office in the Ewers Century Center at the third floor student advising station. Note: Only the educational advisor can register you for co-op. You cannot register for co-op online or through the Enrollment office. Call 352-854-2322, ext. 1855, to set up an appointment.
- Obtain the required instructional briefing and appropriate paperwork about co-op from the co-op coordinator.
- Meet with the faculty facilitator for your co-op program and obtain his or her approval for your co-op work opportunity.
- Work with the co-op coordinator and the faculty facilitator to find a co-op opportunity with a local employer.
- Obtain a co-op opportunity with a local employer and complete the requirements for your co-op program.

Cooperative Education Program Courses (Course Prefix Determined By Area of Study)

— 1949

Work Experience I (1-6).
Available to all disciplines except Nursing and EMT.
Prerequisites: Completion of 12 semester hours of course work, a minimum grade point average of 2.0, satisfaction of employer work requirements, and approval of the faculty facilitator office.

First work experience (or internship) in the Cooperative Education Program, in a paid or unpaid learning activity directly related to the academic program of study or are of interest and career objective. Grade determined by faculty facilitator.

— 2949

Work Experience II (1-6).
Available to all disciplines except Nursing and EMT.
Prerequisites: Successful completion of 1949, a minimum grade point average of 2.0, satisfaction of employer work requirements, and approval of the faculty facilitator office.

A second work experience (or voluntary internship activity) as a continuation of Work Experience I, or a change in learning assignment with approval of the faculty facilitator.

The State of Florida Articulation Agreement specifies that no more than 7 semester hours of co-op credit may be applied toward the Associate in Arts degree.

Note: Cooperative Education Courses I and II are available to students in all disciplines. Contact the Educational Advisor for more information at 352-854-2322, ext. 1855.
Course Descriptions

Courses in this catalog are listed in alpha-numeric order. Following is a list of the courses usually offered. The college reserves the right to determine minimum enrollments in all courses. The term “credit” as used in references to courses is equal to one semester hour. Further, it means credit toward a degree from CF and not necessarily credit transferable to another institution.

Course Classification

All credit courses offered by CF are designated in one of the following classifications:

**Gordon Rule classes** are noted within the course description.

**College preparatory courses** do not count toward either an A.A. or an A.S. degree and receive institutional credit only. They may be used in calculating full-time status for athletic team participation, financial aid and veterans benefits.

**Occupational (Career) courses** may not count toward the A.A. degree. They count in full toward the appropriate A.S. degree.

**Parallel courses** count toward the A.A. degree and should transfer readily to any college or university.

**Dual courses** count toward the A.A. degree as part of the 60 hours only if they are appropriate for the student’s program of study or area of interest. Students should consult with a counselor prior to enrolling in a designated dual course.

**PSAV courses** only apply to Postsecondary Adult Vocational Certificate programs and do not count toward either an A.A. or A.S. degree.

**Baccalaureate level courses** are 3000 and 4000 level courses open only to students in specific baccalaureate degree programs. They count in full toward designated baccalaureate degrees.

Students are cautioned against taking excessive electives or courses out of their major field of study at the expense of required prerequisites.

Florida's Statewide 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 28 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 Statewide Course Numbering System to obtain course descriptions and specific information about course transfer between participating Florida institutions. This information is at the SCNS website at http://scns.fldoe.org.

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 Statewide Course Numbering System, SCNS. The list of course prefixes and numbers, along with their generic titles, is referred to as the SCNS taxonomy. Descriptions of the content of courses are referred to as statewide course profiles.

### Example of Course Identifier

<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></td>
</tr>
<tr>
<td>English</td>
<td>Lower (Freshman) level</td>
<td>Freshman Composition</td>
<td>Freshman Composition Skills</td>
<td>Freshman Composition Skills I</td>
<td></td>
</tr>
<tr>
<td></td>
<td>at this institution</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

"English Composition" Lower (Freshman) level at this institution.
General Rule for Course Equivalencies

Equivalent courses at different institutions are identified by the same prefixes and last three digits of the course number and are guaranteed to be transferable between participating institutions that offer the course, with a few exceptions. (Exceptions are listed below.)

For example, a freshman composition skills course is offered by 55 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, having the same prefix and course number without a lab indicator, which 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 the community college 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: Courses generated at institutions on the quarter-term system may not transfer the equivalent number of credits to institutions on semester-term systems. For example, 4.0 quarter hours often transfer 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 sub-category 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 varying topics courses that must be evaluated individually, or applied 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 nonregionally 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, Practica, Study Abroad, Thesis and Dissertations.
d. College preparatory and vocational preparatory courses.
e. Graduate courses.
f. Internships, 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 (i.e., portfolio, audition, interview, etc.).
Courses at Nonregionally Accredited Institutions

The Statewide Course Numbering System makes available on its home page (http://scns.fldoe.org) a report entitled "Courses at Nonregionally Accredited Institutions" that contains a comprehensive listing of all nonpublic 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 Statewide Course Numbering System and appeals regarding course credit transfer decisions should be directed to the College of Central Florida Office for Instructional Affairs, Founders Hall, Room 102, Ocala Campus, or the Florida Department of Education, Office of Articulation, 1401 Turlington Building, Tallahassee, Florida 32399-0400. Special reports and technical information may be requested by calling the Statewide Course Numbering System office at 850-245-0427 or via the Internet at http://scns.fldoe.org.

Course Descriptions

### General Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Prerequisite</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACG 2021</td>
<td>Financial Accounting (3)</td>
<td></td>
<td>Parallel</td>
</tr>
<tr>
<td></td>
<td>Corequisite: CGS 1100</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>This course approaches accounting as an information or decision support system. Emphasis is placed on the analysis of business transactions and the evaluation of their effect on the operation of the enterprise. The method of instruction emphasizes how to do it, why it is done and what it means.</td>
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</tr>
<tr>
<td>ACG 2071</td>
<td>Managerial Accounting (3)</td>
<td>Prerequisite: CGS 1100 and ACG 2021</td>
<td>Parallel</td>
</tr>
<tr>
<td></td>
<td>This course uses accounting information for planning, control and decision-making. Includes principles of product costing, budgeting techniques and capital decisions.</td>
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<td></td>
</tr>
<tr>
<td>ACG 2360</td>
<td>Cost Accounting (3)</td>
<td>Prerequisite: ACG 2071</td>
<td>Occupational</td>
</tr>
<tr>
<td></td>
<td>Classification: Occupational</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>This course is an introduction to computerized integrated accounting procedures found in microcomputer office environments. Topics covered are payroll and personnel records, federal payroll laws, payroll accounting systems, payroll operations and preparation of payroll records such as payroll registers, individual earnings records and federal, state and local payroll tax forms.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ACG 2450</td>
<td>Integrated Accounting (3)</td>
<td>Prerequisite: CGS 1100</td>
<td>Occupational</td>
</tr>
<tr>
<td></td>
<td>Classification: Occupational</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>This course is an introduction to computerized integrated accounting procedures found in microcomputer office environments. Topics covered are payroll and personnel records, federal payroll laws, payroll accounting systems, payroll operations and preparation of payroll records such as payroll registers, individual earnings records and federal, state and local payroll tax forms.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AEB 1941</td>
<td>Equine Careers (1)</td>
<td></td>
<td>Dual</td>
</tr>
<tr>
<td></td>
<td>Classification: Dual</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>The equine industry is highly diverse and offers a wide variety of career options, including farm management, retail management or service sector opportunities. This class will focus on different career options and expose students to equine professionals to help identify rewarding and unique careers in the horse industry.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### ACG 2100

**Intermediate Accounting (3)**  
Prerequisite: ACG 2021  
Classification: Occupational  
This course is an in-depth examination of financial accounting and reporting. Specific points of emphasis are accounting procedures and financial statement presentation of cash, short-term investments, receivables, inventories, fixed assets, and long-term investments in equity securities.

### ACO 1807

**Payroll Accounting (3)**  
Classification: Occupational  
The purpose of this course is to train the student to complete many payroll activities for any business. Topics covered are payroll and personnel records, federal payroll laws, payroll accounting systems, payroll operations and preparation of payroll records such as payroll registers, individual earnings records and federal, state and local payroll tax forms. 

### AEB 1941

**Equine Careers (1)**  
Classification: Dual  
The equine industry is highly diverse and offers a wide variety of career options, including farm management, retail management or service sector opportunities. This class will focus on different career options and expose students to equine professionals to help identify rewarding and unique careers in the horse industry.
AEB 2137C
Equine Business Management (3)
Classification: Dual
This course covers business management practices for equine enterprises. An equine business may be farm management, retail or a service-based business specializing in the equine industry. Topics addressed include organizational structure, employees, ethics, accounting principles, contracts, insurance and taxation. Students prepare a business plan as a major learning outcome.

AER 1081
Automotive Fundamentals (3)
Classification: Occupational
This course will introduce the student to the various systems of the automotive vehicles and will acquaint the student with shop practices, safety, service manuals, pay structures, tools, warranties and personal relations necessary for success in the automotive business. The student will be trained in minor repair procedures, including lubrication, wheel and tire service, exhaust system service and new car pre-delivery services.

AER 1198
Engines (4)
Classification: Occupational
This course is designed to provide instruction in the repair, diagnosis and tuning of engines in both classroom and laboratory conditions.

AER 1498
Steering and Suspension (4)
Classification: Occupational
This course is designed to teach entry-level skills in the service and repair of steering and suspension systems, power steering, wheels and tires. Both lecture and shop experience will be provided.

AER 1598
Brake Systems (4)
Classification: Occupational
This course is designed to teach job entry skills in the theory, operation and repair of brake systems including both drum and disc brakes. Also presented will be an introduction to anti-lock brake systems. Instruction will combine both lecture and shop experience.

AER 1690
Automotive Electrical Systems I (4)
Classification: Occupational
This course is designed to teach entry-level skills in mechanics. Topics include engine electrical systems, starting systems, charging systems, accessory systems, basic emission controls, and an introduction to computer control systems. Both lecture and shop experiences will be provided.

AER 1798C
Air Conditioning and Heating (4)
Classification: Occupational
This course is designed to teach entry-level skills in the theory, service and repair of automotive heating and air conditioning systems. It will include both classroom lecture and shop experience.

AER 2298
Advanced Automatic Transmissions (4)
Classification: Occupational
This course is an advanced study of automotive automatic transmissions. Students are expected to have a basic knowledge of electrical systems, engine operation, fuel systems, drivability diagnosis and automatic transmission operation prior to enrolling. This course will concentrate on the automatic transmission as used in today's vehicles, including instruction in overdrive transmission and lock-up torque converters, electronic shift controls, and all-wheel drive systems.

AER 2330
Clutch and Transmissions (4)
Classification: Occupational
This course seeks to develop entry-level skills in the theory and repair of clutches, manual and automatic transmission, and transaxles. Also included are final drive and differential assemblies. Instruction will combine lecture and shop experience.

AER 2695C
Automotive Electrical Systems II (3)
Classification: Occupational
This course is an advanced study of automotive electrical and electronic systems. Students are expected to have a basic knowledge of electrical systems, engine operation, fuel systems and drivability diagnosis prior to enrolling. The course will concentrate on electronic vehicle controls including fuel injection, feedback systems, climate controls, and other computer controlled systems. Parts of the General Motors Specialized Electronics Training course will be used.

AER 2820C
Drivability and Diagnosis (4)
Classification: Occupational
This course is designed to teach job entry skills in the diagnosis and repair of drivability problems. Topics covered include engine performance and electrical and computer system operations. Emphasis is placed on manufacturers' diagnostic charts and advanced diagnostic equipment. Use of scanners on both carburetor and fuel injected vehicles will be addressed.

AER 2840C
Fuel and Emissions Control Systems (4)
Classification: Occupational
This course is designed to teach entry-level skills in fuel and emission control systems. Also included are computer control and fuel injection. Both lecture and shop experience will be utilized.
AGG 2001
Introduction to Food Science (3)
Classification: Dual
This introductory course encompasses many aspects of human food. Specific topics include nutritional chemistry, food quality, food preservation, food products, food safety, food labeling and world food needs.

AMH 2010
United States History To 1877 (3)
Classification: Parallel
An interpretive survey of United States history that includes the discovery of America, the adoption and growth of the Constitution, the Civil War and Reconstruction. This course may be available online or as a hybrid.

AMH 2020
United States History Since 1877 (3)
Classification: Parallel
An interpretive survey of United States history since the end of the Civil War and Reconstruction. Major topics include the Economic Revolution, Imperialism and America’s rise as a world power, World War I, the Great Depression, the New Deal, World War II and its aftermath. This course may be available online or as a hybrid.

AMH 2070
History of Florida (3)
Classification: Parallel
The course includes studies relating to explorations, Native Americans, imperial conflict, cultural heritages, Andrew Jackson, early statehood, tourism, agriculture, industry and contemporary problems.

AMH 2091
Introduction to African-American History (3)
Classification: Parallel
An exploration of major developments in black history from African origins through the slavery experience, freedom, the fight for equality, and the contemporary status of blacks.

AML 2010
Survey of American Literature I (3)
Prerequisite: ENC 1101
Corequisite: ENC 1102
Classification: Parallel
An introductory survey of American literature from the 17th century through the 19th century, including poetry, fiction, nonfictional prose and drama by major authors such as Poe, Hawthorne, Melville, Thoreau and Whitman. May be taken for credit without AML 2020. Gordon Rule applies.

AML 2010H
Honors Survey of American Literature I (3)
Prerequisite: ENC 1101
Corequisite: ENC 1102
Classification: Parallel
This course is designed for students capable of intensive study and discussion of a variety of representative selections from American literature including poetry, fiction, nonfictional prose and drama by major authors such as Poe, Hawthorne, Melville, Thoreau and Dickinson from the beginning of America through the 19th century. May be taken for credit without AML 2020. Selective admission. Gordon Rule applies.

AML 2020
Survey Of American Literature II (19th-20th Centuries) (3)
Prerequisite: ENC 1101
Corequisite: ENC 1102
Classification: Parallel
A continuation of AML 2010, this course is an introductory survey of American literature from the 19th century through the present, including fiction, poetry, nonfictional prose and drama by major authors such as Twain, Fitzgerald, Faulkner, Eliot, Frost and Stevens. Gordon Rule applies.

AML 2600
Introduction to African-American Literature (3)
Prerequisite: ENC 1101
Classification: Parallel
This is a survey course that covers the major periods of African-American literature from its beginnings in America to the present. Attention will be given to the African background. Concentration centers on the writers’ views of themselves and the political, economic and social forces that influence them. Gordon Rule applies.

ANS 1003
Introduction to Animal Science (3)
Classification: Dual
This class includes the study of scientific principles that underlie the production, processing and distribution of agricultural animal products. Topics include managing a crop or livestock plan, soil conservation, livestock marketing, and identifying sources of agriculture information and assistance.

ANS 1018C
Equine Computer Skills (2)
Classification: Occupational
The purpose of this course is to train students in equine management software. This software will assist in all levels of managing information for an equine operation: horse inventory, breeding, health records, billing and accounts receivable. Additional efforts will be focused on Web page development, digital photography (still and video) and preparation of a sales video/DVD.
ANS 1073C
Equine Anatomy and Physiology (3)
Classification: Dual
This course covers the normal anatomy and common anatomical disorders of the horse. Emphasis is placed on the bony structure and muscular-tendon relationship as they relate to biomechanics. The practical application of conformation and clinical disorders is stressed.

ANS 1220
Equine Sport and Competition (2)
Classification: Dual
This course will provide detailed information on the many disciplines where horses compete. Students will learn about training issues specific to the discipline, unique equipment to the discipline and rules of competition, with a focus on marketability of successful horses.

ANS 1222
Equine Sales and Marketing (3)
Classification: Dual
This course will prepare the student with marketing and sales skills for various equine enterprise types. Sale of a product or service is vital to the successful equine business manager. Specific emphasis will be placed on the development of effective advertisements, market research, sales strategy, pricing and other components of a successful market plan. Students will prepare a market plan and present it to the class.

ANS 1223
Equine Conformation Analysis (3)
Classification: Dual
A vital component of any equine business is the ability to evaluate the physical characteristics of the horse in relation to its potential as an equine athlete. Students completing this course will be able to evaluate conformation of different breeds and ages, predict athletic ability, explain observations verbally and evaluate pedigrees for marketability or performance.

ANS 1236
Introduction to Equine Science (3)
Classification: Dual
Designed for students with an interest in equine science but with limited equine experience. Principles of equine selection, care and utilization will be addressed. Additional topics include horse breeds, history, conformation, management, equipment, legal issues, economics, insurance and ethics specific to the equine industry.

ANS 1237C
Equine Health Care (3)
Classification: Dual
This course will cover the common infectious diseases of the horse and their prevention. Some of the topics covered in this course will be: current vaccination protocols, disease control measures and prevention, and emergency treatment procedures. Also, the use of health certificates, laboratory forms for documenting Equine Infections Anemia, EIA, and state laws regarding horses will be addressed. Students will learn to conduct a physical examination.

ANS 1238C
Equine Behavior and Psychology (3)
Classification: Dual
This course will cover the history, evaluation and development of the horse, including an in-depth study of the horse’s psyche. Attention will be focused on imprinting, bonding, fright and flight, as well as restraint in herd and hand activities. Behavior of the horse including the effects of the senses — hearing, smell, sight and touch — will be stressed. The behavior of the normal and abnormal horse will be studied from birth through elder age.

ANS 1315
Equine Reproduction (3)
Prerequisite: ANS 1073C
Classification: Dual
This course covers the theory and practices associated with efficient equine reproduction, including mare and stallion care and basic principles of genetic selection. Instruction will include classroom learning and visits to local horse farms.

ANS 1531C
Equine Medicine (3)
Prerequisite: ANS 1073C
Classification: Dual
This course will cover metabolic diseases and noninfectious conditions of the horse, foreign diseases which impact horses worldwide, bone and joint maladies as related to performance situations, the propensity for certain diseases or conditions as related to age, environmental conditions related to housing, geography and use of blood analysis.

ANS 1930
Special Topics – Equine Studies (1)
Classification: Occupational
The primary purpose of this course is to present current issues related to the equine industry, which are not covered in the core courses of the curriculum. The course contains topics such as: Thoroughbred industry, equine event management, reproduction lab, Spanish for the equine industry, etc.

ANS 2072C
Equine Manual Therapies (3)
Prerequisite: ANS 1073C
Classification: Dual
An emerging field in equine science is the application of physical therapy for maintenance of athletic horses as well as rehabilitation of injured horses. A major focus of this course is the theory and application of massage techniques, including stretching and myofascial release. Extensive animal work will enhance students’ comprehension and ability to apply manual therapies for horses.
ANS 2074C
Injury and Rehabilitation of Horses (3)
Prerequisite: ANS 1073C
Classification: Dual
This class addresses the most common equine orthopedic and soft tissue injuries and discusses how the normal healing process can be enhanced using rehabilitation therapy. A description of these therapeutic modalities, including ultrasound, massage, stretching, laser, magnetic field therapy, joint mobilization, acupressure, cold/heat therapy and hydrotherapy will be studied in conjunction with hands-on observation and practical sessions. Current scientific research in the field of equine rehabilitation will be discussed.

ANS 2075
Farrier Science (2)
Prerequisite: ANS 1073C
Classification: Dual
This course examines anatomy and balance of the horse hoof for various athletic endeavors. Shoes and corrective work will also be addressed.

ANS 2076C
Physiology of Equine Exercise (3)
Prerequisite: ANS 1073C
Classification: Dual
Students will discover the coordination of muscular, cardiovascular, respiratory and neurological systems in the exercising horse. Special emphasis will be placed on conditioning techniques, biomechanics of gait and nutrition for equine athletes. Class projects will include tracking the response of horses to training throughout the semester.

ANS 2221
Equine Tack and Equipment (1)
Classification: Dual
Poor-fitting saddles or inappropriate selection of bits can interfere with athletic performance of the horse. This mini-course evaluates bit function and design, choice of metal and choice of bit through the training process. Additional topics include saddle fit and design, training equipment and proper application of equipment.

ANS 2232C
Horse Handling and Safety (3)
Classification: Occupational
This course introduces the student to the normal behavior of the horse and emphasizes the proper way to handle the horse in a variety of situations. Topics include grooming, hoof care, restraints, bandaging, blood collection, transportation, tack and basic horse husbandry.

ANS 2403
Equine Nutrition (3)
Prerequisite: ANS 1073C
Classification: Dual
This course studies equine nutrition and its application, including concentrates, hays, forage and supplements. Topics include basic nutrition and digestive anatomy, common feeds and supplements, nutritional needs in specific situations, and ration balancing. Upon completion, students should be able to explain feeding practices and critique rations for classifications of horses.

ANT 2000
Introduction to Anthropology (3)
Prerequisite: ENC 1101
Classification: Parallel
An investigation of the history of human adaptation to the environment, and the use of tools, weapons and artifacts, with emphasis on the comparative study of the systems and life ways of diverse cultures. This course may be available online or as a hybrid. Gordon Rule applies.

ANT 2140
Introduction to Archaeology (3)
Classification: Parallel
An introduction to archaeology including the history and development of archaeology as a discipline, archaeological site survey and excavation procedures, and the evolution of human cultures from the Paleolithic Era through the development of complex societies. Case studies are drawn from both Old World and New World cultures.

ANT 2310
American Indian Cultures (3)
Classification: Parallel
An overview of American Indian cultures, their prehistory, language, customs and life ways. The course will also address the formation of state societies, the impact of European contact, and modern issues.

ANT 2825
Anthropology Field School (6)
Classification: Parallel
This course provides field training in archaeology and archaeological methods including surface survey, subsurface testing, excavation and artifact analysis, as well as report drafting and legal and ethical issues in archaeology. It is intended to allow participants to fulfill Register of Professional Archaeologists certification requirements and fulfill degree requirements for a B.A. in Anthropology/Archaeology.
APA 1111
Business Accounting (3)
Classification: Occupational
A study of the sole proprietorship form of business organization, with emphasis on the accounting cycle, adjusting and closing procedures, preparing accounting statements, payroll accounting, and the use of special journals and subsidiary ledgers.

ARC 1115
Architectural Communications (3)
Prerequisite: ETD 2320C
Corequisite: ETD 2801C
Classification: Parallel
This course introduces students to architectural presentation drawings. Upon successful completion of this course, students will be able to create fully rendered plan, section, elevation, axonometric, oblique and perspective drawings for small buildings. Students will use AutoCAD to produce the drawings for this course. A grade of C or better is required for successful completion of this course.

ARC 1301
Architectural Design I (4)
Classification: Parallel
The first of a required eight-term design studio sequence, this course introduces students to the design of space defined as the analysis, formation and articulation of scaled volumes.

ARC 1302
Architectural Design II (4)
Prerequisite: ARC 1301
Classification: Parallel
Second course in eight linked studio sequence, continues investigation and development of space-shaping language and its inherent structure and process of application. Skills learned in Design I are engaged in both analysis and design processes, and concrete linkage to the parallel History I course are developed through the requirement that materials introduced in lectures be further investigated through spatial analysis.

ARC 1701
Architectural History I (3)
Classification: Parallel
A general chronological survey of architecture from prehistory through the medieval era. Emphasizes the effects of social, political, technological and other material and cultural forces on the design and construction of the built environment.

ARC 1702
Architectural History II (3)
Classification: Parallel
A general chronological survey of architecture from 1400 through 1850. Emphasizes the effects of social, political, technological and other material and cultural forces on the design and construction of the built environment.

ARC 2171
Architectural Drafting I (3)
Prerequisite: ETD 2320C
Classification: Dual
Students in this course learn to draw fully dimensioned and detailed foundation plans, plot plans, and the elevations. Upon successful completion of this course and the other two architectural drafting courses, students will be able to create a complete set of working drawings for small buildings that can be used for permitting, bidding and construction purposes. A grade of C or better is required for successful completion of this course.

ARC 2172
Architectural Drafting II (3)
Prerequisite: ETD 2320C
Classification: Dual
Students in this course learn to draw the electrical plans, plumbing plans, and heating, ventilation and air conditioning plans for small buildings. Upon successful completion of this course and the other two architectural drafting courses, students will be able to create a complete set of working drawings for small buildings that can be used for permitting, bidding and construction purposes. A grade of C or better is required in this course for graduation from the Drafting and Design Technology program.

ARC 2180
Introduction to Digital Architecture (3)
Corequisite: ARC 2303
Classification: Parallel
Introduction to computer-aided design programs currently utilized by professional practices.

ARC 2201
Architectural Theory I (3)
Prerequisite: ARC 1701 and ARC 1702
Classification: Parallel
First of two required theory courses. Introduction to the theoretical principles that ground architecture and urban design in the West from antiquity to the present time.

ARC 2303
Architectural Design III (5)
Prerequisite: ARC 1302
Classification: Parallel
The third of eight required design studio courses, developing the analytical and generative processes applied to spatial precedents begun in Design II. Architectural space as it is sited both in history and landscape is the primary focus of the studio, requiring concrete linkages with the parallel Theory I and Introduction to Digital Architecture courses. This is the final course of three wherein students from interior design and architecture programs share studios and projects, involving engagement of the spatial histories of all three disciplines.
ARC 2304
Architectural Design IV (5)
Prerequisite: ARC 2303
Classification: Parallel
The fourth course in the required eight-studio sequence, and the final before the pin-up process of upper division admission. Intended to summarize and engage the various foundational skills, abilities and understandings developed in the first three studios. The studio also begins the integration and utilization of information presented in the parallel Materials and Methods of Construction course.

ARC 2461
Materials and Methods of Construction (3)
Corequisite: BCN 1250 or ARC 1302
Classification: Parallel
This course is an introduction to the materials and methods commonly used in building construction. Topics will include wood framing, masonry, concrete and steel construction. Students are given the floor plan, front elevation and exterior perspective of a small building designed for Ocala and are required to conduct their own research to specify different types of materials and methods of construction for the building. The instructor will guide them in their selection, using a series of lectures and audio-video presentations. Since buildings in the U.S. are the heaviest consumers of natural resources and account for a significant portion of the greenhouse gas emissions that affect climate change, emphasis in this course is placed on sustainable design and green construction. A grade of C or better is required in this course for graduation from the Drafting and Design Technology program.

ARH 2050
The History of Art I (Prehistory to 1500 A.D.) (3)
Prerequisite: ENC 1101
Classification: Parallel
This course examines the art and architecture of Ancient Civilization through the early Renaissance, especially Western art, through major artists and their contributions to their own society and to Western culture itself. Gordon Rule applies.

ARH 2051
The History of Art II (1500 A.D. to 20th century) (3)
Corequisite: ENC 1101
Classification: Parallel
This course examines the art and architecture from the High Renaissance through the first half of the 19th century. Gordon Rule applies.

ARH 2840
Spanish Art History (3)
Classification: Parallel
This course is an intensive survey of Spanish art from the preserved accomplishments to the present. Major styles and artists covered are Iberian culture, Roman art, Arab, Mudéjar, Romanesque, Gothic and Plateresque Architecture; El Escorial and 17th Century Madrid, El Greco, Velazquez, Goya, Sorolla, Solana, Barcelona, Modernism, Picasso, Miro and Dali.

ARH 2930
Special Topics in Art History (3)
Classification: Parallel
This course centers on topics of special interest to students and/or instructors. Topics or focus may vary from semester to semester. Topics will be identified by the course title published in schedules for each semester that the course is offered. Special topics credit hours are not automatically transferrable. Transfer credit is the prerogative of the receiving institution.

ARH 2942
Internship in Museum Methods (3)
Prerequisite: ENC 1101
Classification: Parallel
This internship in Museum Methods introduces students to the aspects of museum management and stewardship of collections. The course utilizes the facilities and staff at College of Central Florida departments of the Appleton Museum of Art and the Webber Gallery as learning lab environments to complement course study in theoretical museum studies and practical experience in museum methods. Permission of instructor is required.

ARH 2950
Renaissance Art (3)
Classification: Parallel
Renaissance art with study abroad option is a study of the Italian Renaissance period and its art, architecture and culture. This course includes the option to travel to Italy.

ART 1201C
Basic Design I (3)
Classification: Parallel
Study and employment of basic principles of two-dimensional design and color theory as elements used in creative composition in the visual arts. No previous art training required. (6 hours per week)

ART 1300C
Freehand Drawing I (3)
Classification: Parallel
Freehand Drawing I is an introductory-level course for the student with no prior college-level drawing instruction. This course emphasizes skill building and technique in the use of various drawing media including graphite, ink and conte as students render surface characteristics of materials, still lifes, object studies, landscapes, portraiture, and the human figure. May be repeated for credit. No previous art training is required. (6 hours per week)

ART 1400
Printmaking I (3)
Classification: Parallel
This course is an introduction to the medium of printmaking. It concentrates on the technical production of various print media then covers the basic processes of relief (linoleum) and intaglio (etching) printmaking.
ART 1500C  
**Painting I (3)**  
Prerequisite: ART 1300C  
Classification: Parallel  
A course designed to acquaint the student with a working knowledge of the elements of composition, color theory and various painting techniques through the creation of painting rendered in oils or acrylics. May be repeated for credit.

ART 2203C  
**Basic Design II (3)**  
Classification: Parallel  
Study and employment of basic principles of three-dimensional design as used in the creative composition in the visual arts. Students will experiment with the manipulation of a variety of materials to create effective use of three-dimensional space. No previous training is required. Recommended completion before ART 2701C Sculpture I.

ART 2301C  
**Freehand Drawing II (3)**  
Prerequisite: ART 1300C  
Classification: Parallel  
A continuation of ART 1300C, this course emphasizes individual exploration in advanced graphite pencil techniques and interpretation of subject matter, as well as gives an introduction to the use of color in the drawing medium through the single and mixed media approaches to colored pencil, nupastel, watercolor and inks. Drawing of the human figure will be stressed. May be repeated for credit.

ART 2401  
**Printmaking II (3)**  
Prerequisite: ART 1400  
Classification: Parallel  
This course will provide advanced instruction in the processes of relief (woodcut) and intaglio (etching) printmaking processes, as well as non-toxic lithographic printing. The addition of more color processes will allow students to develop higher technical skills and the ability to mix multiple techniques for innovative effects.

ART 2501C  
**Sculpture I (3)**  
Classification: Parallel  
An introduction to fundamental processes used in sculpture, aesthetic problems in sculptural form and composition. Practical work in plaster, clay and other materials. May be repeated for credit.

ART 2702C  
**Sculpture II (3)**  
Prerequisite: ART 2701C  
Classification: Parallel  
A continuation of ART 2701C with emphasis on the sophisticated techniques and principles in the production of complex sculptures; an introduction into carving in alabaster. May be repeated for credit.

ART 2750C  
**Ceramics I (3)**  
Classification: Parallel  
An introduction to handbuilding processes and wheelthrowing techniques used in forming clay into pottery or art objects; and a study of the basic elements of design pertaining to such objects. May be repeated for credit.

ART 2751C  
**Ceramics II (3)**  
Prerequisite: ART 2750C  
Classification: Parallel  
Continuation of ART 2750C, providing additional training and experience in the use of studio equipment, in the creation of artistic forms and designs in clay, and in the development of a personal style in clay. May be repeated for credit.

ASL 1140  
**Introduction to American Sign Language I (4)**  
Classification: Parallel  
An introduction to the linguistic structure and conceptual vocabulary of American Sign Language as used by deaf adults. The course emphasizes the development of sign language skills and the ability to translate from ASL to English and English to ASL. Various sign systems and regional signs will also be described. The course also describes the history, values and culture of deaf persons in America.

ASL 1150  
**Introduction to American Sign Language II (4)**  
Classification: Parallel  
This course is a continuation of ASL 1140, emphasizing intermediate-level sign vocabulary, increasingly complex grammatical construction, idioms, inflectional usage and the development of intermediate receptive and expressive conversational American Sign Language skills.

AST 1002  
**Descriptive Astronomy (3)**  
Classification: Parallel  
This course is an introduction to general astronomy, primarily for nonscience majors. It is essentially a nonmathematical survey of the solar system, stars, galaxies and cosmos and the methods and equipment used by astronomers to obtain their information. Several viewing sessions may be included each semester as weather permits.
BCN 1250
Architectural Drafting Principles (3)
Prerequisite: ETD 2320C
Classification: Dual
Students in this course learn to draw floor plans, roof plans and wall sections for small buildings. Upon successful completion of this course and the other two architectural drafting courses, students will be able to create a complete set of working drawings for small buildings that can be used for permitting, bidding and construction purposes. A grade of C or better is required for successful completion of this course.

BSC 1020
Biology and the Human Experience (3)
Classification: Parallel
This course examines the nature of living organisms with an emphasis on humankind. It examines the structure and function of cells, tissues and organ systems. It surveys human biology, including anatomy and physiology, human inheritance, disease and nutrition, and emphasizes the implications and applications to current issues and their bioethical interpretations.

BSC 1020L
Biology and the Human Experience Lab (1)
Corequisite: BSC 1020
Classification: Parallel
A laboratory course designed to accompany BSC 1020. Exercises emphasize the application of biological principles and knowledge to the concerns of humans.

BSC 1050
Living in the Environment (3)
Classification: Parallel
This course examines current environmental concerns and their management. It integrates and correlates the features of the natural world with human activities. Topics include basic ecology, population growth and world hunger, energy resources, environmental regulations and water, air and noise pollution. Emphasizes an understanding of solutions to environmental problems. This course may be counted as either a biological or physical science credit.

BSC 1050L
Living in the Environment Lab (1)
Corequisite: BSC 1050
Classification: Parallel
A laboratory course designed to accompany BSC 1050. Exercises in ecology and environmental science. The lab emphasizes field and laboratory methods for general ecology and the study of human and environmental interactions.

BSC 1051
Environmental Health (3)
Classification: Parallel
This course examines emerging human health issues due to air and water pollution, emerging infectious agents, mosquito vectored diseases and foodborne illnesses. An investigation into environmental health will include loss of genetic diversity, habitat loss, degradation of the earth’s natural resources and the impact on natural systems.

BSC 1080
Basic Anatomy and Physiology (3)
Classification: Parallel
A basic anatomy and physiology nonlaboratory course that may be used to meet general education science requirements. Emphasis will be placed on the structure of the human body, the function of its many different systems, and the diseases associated with these systems. Check your particular program of study to verify that this course meets needed requirements.

BSC 1080L
Basic Anatomy and Physiology Lab (1)
Corequisite: BSC 1080
Classification: Parallel
A laboratory course designed to accompany BSC 1080. Exercises will provide a complete overview of human anatomy and physiology. This course will begin with an introduction to terminology, then the structural ladder, cells, tissues and the structure and function of each body system. Anatomy studies may be followed by physiology experiments to enhance the understanding of body structure and function.

BSC 2010
Integrated Principles of Biology I (3)
Classification: Parallel
This course covers the chemistry of biological molecules, the architecture and organization of cells, the reactions that enable living systems to obtain and utilize energy, as well as classical, modern and human genetics. To receive lab credit, students should also register for BSC 2010L. This course is intended for science majors.

BSC 2010L
Integrated Principles of Biology Laboratory I (1)
Corequisite: BSC 2010
Classification: Parallel
Laboratory experiments designed to accompany BSC 2010. Students should register for BSC 2010 and BSC 2010L concurrently.
BSC 2011
Integrated Principles of Biology II (3)
Classification: Parallel
This course explores the origin of life on our planet and examines the process of evolution that shaped the vast diversity of life forms such as prokaryotes, algae, fungi, plants, animals that occupy/occupied the planet throughout its vast history. Completion of BSC 2010 is recommended before taking this course. To receive lab credit, students should also register for BSC 2011L. This course is intended for science majors.

BSC 2011L
Integrated Principles of Biology Laboratory II (1)
Corequisite: BSC 2011
Classification: Parallel
Laboratory experiments designed to accompany BSC 2011. Students should register for BSC 2011 and BSC 2011L concurrently.

BSC 2085C
Human Anatomy and Physiology I With Lab (4)
Prerequisite: BSC 2010 or BSC 1080 or CHM 1025 or CHM 1032 or CHM 2045 or CHM 2046 or CHM 2210 or CHM 2211 or an ANAT score of at least 70
Classification: Parallel
An introduction to the human body. Examines the molecular, cellular and tissue levels of organization and these organ systems: integumentary, skeletal, muscular and nervous. (3 hours of lecture and 2 hours of laboratory per week)

BSC 2086C
Human Anatomy and Physiology II With Lab (4)
Prerequisite: BSC 2085C
Classification: Parallel
A continuation of BSC 2085C that covers the following organ systems: endocrine, cardiovascular, lymphatic, respiratory, immune, digestive, urinary and reproductive. Metabolism, fluid balance and homeostatic mechanisms are included. (3 hours lecture and 2 hours laboratory per week)

BUL 2241
Business Law I (3)
Corequisite: ENC 1101
Classification: Dual
This course considers the fundamental laws that relate to business transactions and focuses on the U.S. legal system, torts, criminal law, contracts and sales under the Uniform Commercial Code.

BUL 2242
Business Organizations and Debtor/Creditor Relations (3)
Prerequisite: PLA 1003 and BUL 2241
Classification: Dual
This course considers the fundamental law that relates to the formation and operation of business organizations and includes subjects such as agency, debtor and creditor relations, bankruptcy, secured transactions and suretyship.

CCJ 1020
Introduction to Criminal Justice System (3)
Classification: Dual
This course is intended to introduce the student to the American criminal justice system and process. It describes the formal components of the criminal justice system, their history of evolution, and their operations. The focus throughout is on people: the criminal offenders, the professional members, and the role of the public. The course also deals with the interaction of the members of this system with each other, the problems that exist to circumvent full cooperation between the sub-systems, and potential solutions to these problems.

CCJ 2010
Criminology (3)
Prerequisite: ENC 1101
Classification: Dual
A study of the causes and theories of crime and social processes in the development in criminal. Consideration is given to the criminal act, the criminal offender, the victim, and the social context. Gordon Rule applies.

CCJ 2013
Criminal Victimization (3)
Classification: Parallel
This course is about the victims of crime. It provides an introductory-level review of the many facets of criminal victimization and the efforts that have been made in recent years to ameliorate crime victims' pain and loss. It covers a wide range of topics including trends and interpretations of victimization research, victimization laws, programs and services, the emotional and social impact of crime, and the extent of participation by victims in the criminal justice process. The course is designed to blend theory with practical application as much as possible.

CET 1171
Introduction to Computer Technology (3)
Classification: Occupational
This course is designed for people with limited computer background who wish to gain basic computer competency. This course will prepare students for Certiport’s Internet and Computing Core Certification, IC³®, which is the ideal certification for anyone who wants to demonstrate critical computer and Internet skills valued in today’s environments.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Prerequisite</th>
<th>Classification</th>
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<tbody>
<tr>
<td>CET 1178C</td>
<td>PC Essentials – Hardware (3)</td>
<td>CET 1171 or CGS 1100</td>
<td>Dual</td>
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<td>Students will be introduced to basic computer</td>
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<td>hardware, at the level of a beginning PC</td>
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<td>technician. Emphasis is placed on learning the</td>
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<td>proper name of features and components making</td>
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<td>up a PC system as well as understanding their</td>
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<td>function. Students will have hands-on</td>
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<td>experience disassembling and reassembling a</td>
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<td>PC. Hardware components making up a PC system</td>
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<td>are examined in detail and discussed in</td>
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<td>textbook reading assignments and lectures.</td>
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<td>This course covers PC hardware topics found in</td>
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<td>industry recognized certification exams. The</td>
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<td>course is designed for individuals with little</td>
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<td>or no experience working inside a PC.</td>
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<td>CET 1611</td>
<td>Routers (1)</td>
<td>CTS 2134</td>
<td>Occupational</td>
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<td>The primary purpose of this course is to</td>
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<td>prepare the student to design and troubleshoot</td>
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<td>a multisegment TCP/IP network.</td>
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<td>CET 2172</td>
<td>A+ Peripherals and Troubleshooting (3)</td>
<td>CET 1178C</td>
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<td>An intermediate-level examination of</td>
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<td>microcomputer hardware function and repair.</td>
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<td>The course will include building a personal</td>
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<td>computer from components, then upgrading a PC</td>
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<td>by adding RAM, mass storage devices, modem and</td>
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<td>network interface cards. Finally, a section on</td>
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<td>troubleshooting will cover common problems and</td>
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<td>their solutions.</td>
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<td>CET 2180</td>
<td>Practical PC Technician (3)</td>
<td>CET 1178C and CET 1179</td>
<td>Occupational</td>
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<td>Students seeking a career in the personal</td>
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<td>computer industry will benefit from this</td>
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<td>course. This course addresses the basic skills</td>
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<td>needed by any entry-level technician and for</td>
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<td>preparation for any current industry</td>
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<td>certification exam. The course will focus</td>
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<td>on software installation, troubleshooting,</td>
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<td>repairing and upgrading as well as network and</td>
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<td>security issues related to operating system</td>
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<td>configuration. This section will also address</td>
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<td>the professionalism and communication skills</td>
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<td>professional.</td>
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<td>CGS 1062</td>
<td>Computers in Society – Honors (3)</td>
<td>ENC 1101</td>
<td>Parallel</td>
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<td>An examination of the influence of computers</td>
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<td>on various aspects of society, with emphasis</td>
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<td>on the contemporary impact of technology and</td>
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<td>CGS 1100</td>
<td>Microcomputer Applications (3)</td>
<td>CGS 1100</td>
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<td>This course is designed to familiarize students</td>
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<td>with microcomputers, using some of the more</td>
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<td>popular commercially available software</td>
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<td>packages, including an introduction to an</td>
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<td>operating system and/or user interface.</td>
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<td>Emphasis is on practical exercises using word</td>
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<td>processing, spreadsheets, database</td>
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<td>packaged programs, presentation software and</td>
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<td>Internet browsers.</td>
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<td>CGS 1122</td>
<td>Excel for Engineers (3)</td>
<td>CGS 1100</td>
<td>Parallel</td>
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<td>Presentation of problem solving techniques,</td>
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<td>engineering fundamentals and mathematical</td>
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<td>solution procedures for engineering</td>
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<td>applications. Engineering analysis through the</td>
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<td>use of excel spreadsheets to solve a variety of</td>
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<td></td>
<td>introductory engineering problems.</td>
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<tr>
<td>CGS 1820</td>
<td>Web Programming (3)</td>
<td>CET 1171 or CGS 1100</td>
<td>Occupational</td>
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<td></td>
<td>This hands-on, online class presents the basics</td>
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<td></td>
<td>of Web programming using HTML, CSS, DHTML and</td>
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<td></td>
<td>JavaScript. Students create Web pages with</td>
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<td>graphics, text, cascading style sheets and</td>
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<td></td>
<td>scripts. Finally, students will create Web</td>
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<td>pages with multimedia content including sound</td>
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<td></td>
<td>and video.</td>
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</tbody>
</table>

Spreadsheet Applications (3)
Prerequisite: CGS 1100
Classification: Dual

Spreadsheets are powerful software tools that allow users to manipulate data. In this course, students use a modern spreadsheet package to create formulas and functions to solve problems as well as format the data for attractive presentation. Students learn to combine multiple worksheets and multiple workbooks with 3-D references, as well as present data as a pivot table. Students learn to use a variety of powerful financial functions, and learn to do "what-if" analysis on data using one-and two-variable data tables. Finally students learn to import a variety of data into a spreadsheet including text, database tables, XML data and other tabular data.
CGS 2540
Database Management Systems (3)
Prerequisite: CGS 1100
Classification: Dual
This hands-on, online class presents the planning, design, use and maintenance of a database system using Access as the tool. Students learn to analyze a database structure and create a new database by defining the tables and data types. Students work with databases to create relationships between tables, do advanced queries and reports. Students learn to create calculated categories to manipulate data, as well as creating Web-based applications. Finally, students learn to create macros to automate database functions for the end user.

CGS 2557
Internet Technologies (3)
Classification: Dual
This course focuses on using the developing technologies and resources of the Internet and World Wide Web, as well as the significant impact of the medium on our society and culture. Students use and discuss these tools and their implications. Activities include developing advanced search strategies for Internet researching, creating basic Web pages, and using Internet technologies, such as FTP, email and chat. Topics will cover the history of the Internet, current events and news related to the information technology industry, the current paradigm shifts of business, and using the Internet as a collaborative communication medium.

CGS 2871
Multimedia Computer Applications (3)
Classification: Dual
An introduction to the hardware, software, development and implementation of multimedia computer applications. A variety of uses will be examined, with the emphasis on business and educational applications.

CGS 2930
Special Topics in Computers (1)
Classification: Dual
This course provides detailed instruction on a variety of topics pertaining to computers. Topics for this course vary. This course may be repeated for credit.

CHD 1339
Learning Through Play (3)
Classification: Occupational
The course is designed to increase the understanding of the value of play in the total development of the child. Students will examine the Florida Voluntary Prekindergarten, VPK, Education Standards and determine appropriate play activities that enhance readiness skills. Developmentally appropriate practices and activities will be examined. Students will observe children in various types of play in the Learning Lab School.

CHD 1440C
Child Care Practicum I (3)
Classification: Dual
Provides an opportunity for practical experiences in techniques of early childhood education, under qualified supervision in a child care center, six hours per week. Days and times to be arranged on an individual basis.

CHD 1441C
Child Care Practicum II (3)
Classification: Dual
Course provides a hands-on experience in working with children. Students will plan and implement a variety of acceptable early childhood activities. The student will control and manage a group of children using appropriate guidance and management techniques.

CHI 1120
Elementary Chinese I, Concentrated (4)
Prerequisite: CHI 1120
Classification: Parallel
This course teaches true beginners basic Chinese language skills including listening, speaking, reading and writing. Mastery of 350 Chinese characters, basic spoken and literary syntax and pronunciation are key objectives along with an understanding of the cultural context of the Chinese language.

CHI 1121
Elementary Chinese II, Concentrated (4)
Prerequisite: CHI 1120
Classification: Parallel
CHI 1121 continues the introduction of elementary Mandarin Chinese begun in CHI 1120. CHI 1121 is designed for students who have had an introduction to Chinese, but have not completed their language requirement or who want to increase their Chinese proficiency. The content of this course is designed to complete the structural aspect of the language started in CHI 1120, continue learning how to write Chinese characters, and strengthen the students’ ability to communicate in the language.

CHM 1025
Introductory Chemistry (3)
Prerequisite: MAT 1033 or higher
Classification: Parallel
This course includes study of measurements, historical approach to chemistry, periodic table, gas laws, thermodynamics, chemical stoichiometry, acids and bases, oxidation and reduction. To receive lab credit, students should also register for CHM 1025L.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Prerequisite/MAC</th>
<th>Classification</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>CHM 1025L</td>
<td>Introductory Chemistry Lab (1)</td>
<td>MAT 1033 or higher</td>
<td>Parallel</td>
<td>Laboratory experiments designed to reflect the topics presented in CHM 1025. Students should register for CHM 1025 and CHM 1025L concurrently.</td>
</tr>
<tr>
<td>CHM 1032</td>
<td>Chemistry for the Health-Related Fields (3)</td>
<td>MAT 1033 or MAC1105</td>
<td>Parallel</td>
<td>This is a basic, one-term course in chemistry for students aiming for careers in the professional health care fields. It introduces students to the basic concepts and principles of inorganic, organic and biological chemistry and their application to health care situations.</td>
</tr>
<tr>
<td>CHM 1032L</td>
<td>Chemistry for the Health-Related Fields Lab (1)</td>
<td>CHM 1032</td>
<td>Parallel</td>
<td>Laboratory experiments designed to reflect the topics presented in CHM 1032. Students should register for CHM 1032 and CHM 1032L concurrently.</td>
</tr>
<tr>
<td>CHM 2045</td>
<td>General Chemistry I (3)</td>
<td>MAC1105 and CHM1025, or CHM1025 and MAC1140, or CHM1025 and MAC1147, or MAC2311 and CHM1025</td>
<td>Parallel</td>
<td>This course may include an expanded review of CHM 1025. The course covers atomic structure, bonding, formulas, nomenclature, reactions, stoichiometry, gas, solid and liquid states.</td>
</tr>
<tr>
<td>CHM 2045L</td>
<td>General Chemistry I Lab (1)</td>
<td>CHM 2045</td>
<td>Parallel</td>
<td>Laboratory experiments designed to reflect the topics presented in CHM 2045. Students should register for CHM 2045 and CHM 2045L concurrently.</td>
</tr>
<tr>
<td>CHM 2046</td>
<td>General Chemistry II (3)</td>
<td>CHM 2045</td>
<td>Parallel</td>
<td>This course may include a review of CHM 2045, and provides additional material. Topics that are covered in CHM 2045 will be expanded. Additional topics include equilibria and qualitative analysis. May require the two-semester sequence to guarantee transfer.</td>
</tr>
<tr>
<td>CHM 2046L</td>
<td>General Chemistry II Lab (1)</td>
<td>CHM 2046</td>
<td>Parallel</td>
<td>Laboratory experiments designed to reflect the topics presented in CHM 2046. Students should register for CHM 2046 and CHM 2046L concurrently.</td>
</tr>
<tr>
<td>CHM 2210</td>
<td>Organic Chemistry I (3)</td>
<td>CHM1025 or CHM2045 or CHM2046</td>
<td>Parallel</td>
<td>The first term of a two-term sequence in college organic chemistry covering basic principles of structure, classification, nomenclature, synthesis and compounds of carbon. A thorough study of topics that cuts across disciplines such as medicine, veterinary science, chemical engineering, biology and pharmacy. May require the two-semester sequence to guarantee transfer.</td>
</tr>
<tr>
<td>CHM 2210L</td>
<td>Organic Chemistry I Lab (1)</td>
<td>CHM 2210</td>
<td>Parallel</td>
<td>Laboratory experiments designed to reflect the topics presented in CHM 2210. Students should register for CHM 2210 and CHM 2210L concurrently.</td>
</tr>
<tr>
<td>CHM 2211</td>
<td>Organic Chemistry II (3)</td>
<td>CHM 2210</td>
<td>Parallel</td>
<td>This course is a continuation of CHM 2210. It completes the long form organic sequence and continues a thorough study of compounds, structures, functions, reactions and syntheses, which are important components of chemical life systems and chemical engineering. Includes the study of nomenclature, structure, physical and chemical properties and chemical behavior. May require the two-semester sequence to guarantee transfer.</td>
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<tr>
<td>CHM 2211L</td>
<td>Organic Chemistry II Lab (1)</td>
<td>CHM 2210L</td>
<td>Parallel</td>
<td>Laboratory experiments designed to reflect the topics presented in CHM 2211. Students should register for CHM 2211 and CHM 2211L concurrently.</td>
</tr>
</tbody>
</table>
CIS 2321
Introduction to Systems Analysis and Design (3)
Prerequisite: CGS 1100
Classification: Occupational
Students seeking a career in the personal computer industry will benefit from this course. The course covers fundamental elements of computer systems analysis and design. The systems design life cycle is the primary focus for the course. Systems infrastructure and data structures are explored through case studies and lab projects. Students will also research current topics related to professional practices in the field while developing design and analysis skills.

CJC 1000
Introduction to Corrections (3)
Classification: Dual
An introductory examination of the broad spectrum of systems, processes and people, that constitute the field of corrections. The course explores where corrections in America originated, where it is today, where it seems to be going from here, and what issues need to be resolved to get there. There is an emphasis on the problems of corrections, and the student is stimulated to explore potential answers to those conflict areas. Whenever possible, practical orientations to the field of corrections are presented, on both an in-class and extra-class basis.

CJE 2061
Theory and Practice of Law Enforcement (3)
Classification: Dual
This course is designed for those students who may be considering a police career or who are already in the police service as well as those students who are not considering a career in law enforcement but are still concerned consumers of those police services. The course looks at the methods and issues, personalities and problems, and attitudes and beliefs of those persons who wear the badge. The course also addresses the primary concerns of those in the community who rely on the police for protection and service. There is a service-learning component built into the course where the students can get a grasp of the practical aspects of everyday policing. Special emphasis is placed on the unique aspects of police work such as community policing, modern management principles, and civil liability factors. Other more critical issues that are found all too often on the front pages of our nation’s newspapers such as the police subculture, excessive use of force and corruption are also addressed. In essence, this course explores in depth what the police service is doing to meet the challenges that the crime phenomena and America’s serious social problems pose for them in the 21st century.

CJE 2330
Ethics in Criminal Justice (3)
Classification: Dual
This course is a detailed exploration of ethical issues in Criminal justice with special emphasis on morality and the law, human behavior, and ethical decision making in law enforcement, corrections and the courts.

CJE 2600
Introduction to Criminal Investigation (3)
Classification: Dual
A theoretical survey of the methods and techniques used by contemporary law enforcement agencies in crime investigation, and their role in society. The course will include studies of such aspects as discovery of evidence and its preservation and marking, fingerprinting, identification, identification of homicide, burglary, robbery and narcotics.

CJJ 1002
Juvenile Delinquency (3)
Classification: Dual
This course deals with major areas of consideration, including the juvenile delinquent in society, significant problem areas in juvenile delinquency, the casual context of crime and delinquency, plus treatment and control of delinquency. It includes divergent philosophies, treatment strategies, social ramifications, and trends. The course provides for practical exposure, including visits from appropriately experienced personnel and field trips to different juvenile agencies in the area.

CJL 2130
Criminal Law, Evidence and Procedures (3)
Classification: Dual
This course introduces students to basic individual rights under the U.S. Constitution and how these rights conflict with maintaining public order and enforcing criminal laws. The exclusionary rule, privacy, probable cause, reasonableness and rights guaranteed by the Fourth, Fifth, and Sixth Amendments are addressed. Additionally, emphasis is placed on the law of arrest, search and seizure and confessions. Students are also exposed to the rules of evidence.

CLP 2140
Abnormal Psychology (3)
Prerequisite: PSY 2012
Classification: Parallel
This course looks at the classification, causation and introductory treatment issues of deviant patterns of behavior and psychopathology. The major types of psychological disorders, diagnostic classifications and proper terminology are presented. Theories of disorders, research in the field, and historical and current prevalence will be discussed. Ethical and legal issues will also be addressed. This course may be available online or as a hybrid.

COP 1332
Programming in Visual Basic.net (3)
Corequisite: CGS 1100
Classification: Dual
This hands-on class will teach students the basic concepts of an object-oriented programming language using Visual Basic.net as the programming language. Students will learn to use Windows form elements, then create interactive programs using variables and events. Students will learn the basic programming techniques of using loops, control structures and repetition.
statements. Finally, students will learn to use sequential access disk files, arrays, and explore ADO.net and ASP.net.

**COP 2250**  
**Java Programming (3)**  
Prerequisite: CGS 1100  
Classification: Dual  
Java is a major programming language used for today's software development and Web applications. This course provides a thorough introduction to the Java programming language through an understanding of object-oriented programming. Students will learn to build their own class structures, plus work with constructor functions as the building blocks of software applications. Students will also learn and practice programming techniques such as control statement, repetition statement, arrays and strings. Finally, students will learn to use the graphics capabilities of Java and create applets. The class will be hands-on in approach with students working at coding in each class.

**CPO 2001**  
**Comparative Politics (3)**  
Prerequisite: ENC 1101  
Classification: Parallel  
An introduction to the politics of industrialized democracies, communist and former communist states, and non-Western societies. Emphasis will be on comparative political culture and socialization, institutions, processes and political economic relations.

**CRW 2001**  
**Creative Writing I (3)**  
Prerequisite: ENC 1101  
Classification: Parallel  
Introduction to the study and practice of imaginative writing in three genres: poetry, fiction and creative nonfiction. Students will learn, practice and share writing techniques and compile a portfolio to showcase their best work from semester projects. Gordon Rule applies.

**CRW 2002**  
**Advanced Creative Writing (3)**  
Prerequisite: CRW 2001 and ENC 1101  
Classification: Parallel  
Advanced Creative Writing offers students the opportunity to create an extended body of work in one of three genres (fiction, essay, poetry), which will be presented in a display portfolio at the end of the course. Student writing may be submitted for the annual student literary magazine and for various statewide and national writing contests. Students should have some experience in creative writing, preferably having successfully completed CRW 2001. Students will learn and practice the skills of effective creative writing, including imagery as well as various figurative and rhetorical devices for effective writing. The class meets once weekly and includes some lecture and presentation followed by extensive sharing of work and group discussion. May be repeated for credit. Gordon Rule applies.

**CTS 2120**  
**Security Fundamentals (3)**  
Prerequisite: CGS 1100 or CET 1171 or CGS 2557  
Classification: Dual  
Students will be introduced to common security issues related to computer technology and its effects on personal information. Emphases will be placed on personal and business security issues and solutions. Students will be introduced to cryptography, common attackers and business communications in a real-world situation.

**CTS 2134**  
**Networking Fundamentals (3)**  
Prerequisite: CET 1178C and CGS 1100, or CET 1171 and CET 1178C  
Classification: Dual  
An introduction to networks and data communication, concentrating on connecting microcomputers in local area networks. A variety of networking software and topologies will be examined with emphasis on practical solutions to common PC networking problems.

**CTS 2136**  
**PC Desktop Support (3)**  
Prerequisite: CET 1179 and CET 1178C  
Classification: Dual  
Students seeking a career in the computer help desktop support will benefit from this course. This course will address the personal and technical skills needed to operate a successful help desk. This course is targeted for individuals who work or intend to work in a traditional or remote-based help desk work environment where client interaction, client training, operating system and connectivity issues are emphasized. This course would be beneficial to students who are seeking certification in PC desktop support.

**CTS 2142**  
**Project Management (3)**  
Prerequisite: CGS 1100  
Classification: Dual  
This course is designed to prepare students for CompTIA's Project + certification exam. Students will plan and implement projects, analyze cost and risk, and manage people and resources.

**CTS 2143**  
**Server Fundamentals (3)**  
Prerequisite: CTS 2134  
Classification: Dual  
This course is designed to prepare students for current industry certification exams. Topics covered include aspects of server planning, server placement and disaster planning.
DAA 1000
Introduction to Dance (2)
Classification: Parallel
This course serves as an introduction to the history, styles and techniques of dance as an art form. Students will learn basic principle techniques of ballet, modern dance and jazz, as well as gain exposure to other dance styles (tap, social dances, etc.) that are often used in stylized form in choreography for musical theatre. This course incorporates lectures and handouts, videos and movement experience into the beginning study of dance.

DAA 1100
Modern Dance Techniques and Performance (2)
Classification: Parallel
This course offers additional training in modern dance techniques for students interested in performing with the Patriot Dance Ensemble, who need further technical background to be ready for ensemble work. This course is also suitable for students who may want to study dance technique without the time commitment required for performing with the Dance Ensemble. Course content includes modern dance technique and preparation for performance through practice in learning choreography, both individual and group.

DAA 1200
Ballet I (2)
Classification: Parallel
This course introduces the basic principles and techniques of classical ballet at the barre using foot, arm and body positions, including a working vocabulary of ballet movements and terminology. The course is open to all students. The course may be repeated for credit. (0.5 hours of lecture and 2 hours of lab per week)

DAA 1201
Ballet II (2)
Prerequisite: DAA 1200
Classification: Parallel
Ballet II is a continuation of Ballet I. Students experience an intensification of barre work through the use of more complex coordination of the arms and legs. Ballet II provides the student with advanced basic ballet movement for dancers with a background in fundamental placement and technique. Emphasis is placed on correct body positions and correct execution of advanced basic technique. Exercises consist of barre work, stretching, center barre work with port de bras, allegro and exercises concerning rhythm, movement coordination and dance ability.

DAA 1680
Patriot Dance Ensemble (1)
Prerequisite: DAA 1100
Classification: Parallel
This course is designed to provide performing opportunities for dancers with pervious performing experience and/or dance training. The ensemble is a modern dance repertory company that performs at CF and in the community. The main concert is in the spring and dancers are encouraged, but not required, to be involved through both the fall and spring academic semesters. Additional rehearsal hours may be required for featured dancers. The course is repeatable for credit.

DEA 1135
Dental Microbiology (1)
Prerequisite: DEA 1806L
Classification: Occupational
This course is intended to familiarize the student with the role of microorganisms in health and disease. Organisms of concern to the dental practitioner/auxiliary will receive particular attention.

DEA 1151
Dental Psychology and Communications (1)
Corequisite: DEA 1806L
Classification: Occupational
This theory course introduces students to the basic psychological theories and how they relate to dental patients and workers. The course concentrates on written and verbal communication skills, and listening skills. A portion of the study gives attention to verbal and nonverbal responses and how to use those skills working with patients and dental team members.

DEA 1805L
Dental Clinic Seminar (1)
Corequisite: DES 1800
Classification: Occupational
This course is designed to study clinical concepts of dental assisting. The course includes learning the health care delivery system and health occupations, as well as the basic concepts of microbiology and their relevance to sterilization. The course also offers a segment of legal and ethical responsibilities of the dental health care worker.

DEA 1806L
Clinic Practice I (2)
Corequisite: DES 1800 and DES 1806L
Classification: Occupational
This competency-based clinical course provides real-world experiences for students while incorporating skills learned in the lab courses. Students will perform basic skills at the beginning of the course but will continue to incorporate more advanced skills as they prove competency in various areas.

DEA 1855L
Clinic Practice II (6)
Prerequisite: DES 1806L and DES 1800
Corequisite: DES 1029
Classification: Occupational
The lab course requires the student to perform dental assisting duties in the dental clinic with patients. The student will function at the intermediate level of dental assisting.
DEA 1856
Clinic III Seminar (1)
Prerequisite: DEA 1855L
Corequisite: DEA 1856L
Classification: Occupational
This course is designed to allow students to reflect and share their experiences during DEA 1856L Clinic Practice III. Students are expected to view patient care at an advanced level and describe symptoms, treatments, recommendations and patient education from their experiences as a dental assistant.

DEA 1856L
Clinic Practice III (7)
Prerequisite: DEA 1855L
Corequisite: DEA 1856
Classification: Occupational
This course is a continuation of Clinic Practice II and provides for a realistic setting for students to practice their advanced skills as a dental assistant. Students are assigned to clinic extramural rotations and the student is expected to perform at an advanced level of dental assisting.

DEA 2033
Oral Pathology (3)
Prerequisite: DEA 1855L and DES 1020
Corequisite: DEA 1856L
Classification: Occupational
This course studies the principles of general pathology with the emphasis on those related to the oral cavity. There is a concentration on recognition of normal and abnormal conditions of the oral cavity and surrounding tissues.

DEP 2004
Human Growth and Development (3)
Prerequisite: PSY 2012
Classification: Parallel
A detailed study of the physical, cognitive and social development throughout the human life cycle. This course may be available online or as a hybrid.

DES 1029
Dental Specialties (1)
Prerequisite: DES 1800 and DEA 1806L
Corequisite: DEA 1855L
Classification: Occupational
The course introduces students to various types, functions and operations of dental operatory and laboratory equipment, especially in areas of surgical, pediatric, prosthodontic, orthodontic, and endodontic and periodontic dental operations.

DES 1030
Histology and Embryology (1)
Corequisite: DES 1020
Classification: Occupational
This course involves the histological and embryonic study of the development of the head and neck structures. Included is a study of morphology of tissues of the teeth and supporting structures.

DES 1051
Dental Pharmacology (2)
Prerequisite: BSC 1080
Classification: Occupational
The course is designed to familiarize the student with the basic concepts of pharmacology. Topics include the use of PDR, the use, administration, indications, contraindications, adverse reactions and precautions of pharmaceutics used in dentistry.

DES 1100
Dental Materials (2)
Prerequisite: DES 1800
Corequisite: DEA 1855L
Classification: Occupational
This course familiarizes the student with the nomenclature, physical and chemical properties of dental materials and the manipulations of these materials. The topics are gypsum, restorative materials, impression materials, dental waxes and acrylics.

DES 1100L
Dental Materials Lab (1)
Prerequisite: DES 1800 and DEA 1806L
Corequisite: DES 1100
Classification: Occupational
The laboratory course requires students to apply the principles learned in Dental Materials lecture theory. Students will manipulate materials and demonstrate competency in the dental materials.
DES 1200
Dental Radiology (2)
Prerequisite: DES 1800 and DES 1020
Corequisite: DES 1200L and DEA 1855L
Classification: Occupational
This theory course provides the student with the fundamental knowledge of physical and biological effects and safety methods exposing, processing, mounting and evaluating radiographs.

DES 1200L
Dental Radiology Lab (1)
Prerequisite: DES 1200 and DEA 1855L
Corequisite: DES 1200L and DEA 1855L
Classification: Occupational
This course provides the student with laboratory experiences in exposing, processing, mounting and evaluating diagnostic radiographs including digital radiographs.

DES 1502
Dental Office Management (3)
Classification: Occupational
This course introduces the student to the elements of efficient and productive dental office management, recall systems, appointment control, resume writing, inventory control, bookkeeping and insurance management. There is a computer component to the course.

DES 1600
Dental Office Emergencies (1)
Prerequisite: DEA 1855L
Classification: Occupational
This course provides the student with the knowledge base and practice in basic emergency management of dental office emergencies. The student will be able to recognize signs and symptoms of emergency conditions and understand the treatment required for the patient.

DES 1800
Introduction to Clinical Procedures (3)
Corequisite: DES 1806L
Classification: Occupational
This core course introduces the student to the practice of chairside dental assisting. The course will provide skills in recording medical/dental history, vital signs, sterilization/asepsis, intro/extra oral exams, charting and assisting the dental team for restorative and preventive dentistry.

DES 1800L
Introduction to Clinical Procedures Lab (1)
Corequisite: DEA 1806L and DES 1800
Classification: Occupational
This course is a comprehensive course designed for the student to participate in chairside assisting in a lab environment. The course is competency based and provides practice of skills necessary to function as a vital role in the dental office. Students will also demonstrate sterilization techniques, infection control, record taking, dental charting and more.

DES 1840
Preventive Dentistry (2)
Prerequisite: DEA 1806L
Corequisite: DEA 1855L
Classification: Occupational
This course introduces students to the practice of preventive dentistry by understanding the methods of plaque control, patient education and fluoride applications. There is an emphasis on developing preventive programs for the dental office and community.

DES 2832C
Expanded Functions with Lab (2)
Prerequisite: DEA 1855L and DES 1100
Corequisite: DEA 1856L
Classification: Occupational
The course will concentrate on the advanced dental duties expected of a certified dental assistant. This would include sealants, placement and removal of rubber dams, polishing of clinical crowns, fabrication of temporary crowns, placement and removal of matrix bands, and amalgam polishing.

DIG 2000
Introduction to Digital Media (4)
Prerequisite: CGS 1100
Classification: Parallel
This course introduces the theory and practice of creating art with digital tools. Students will utilize industry standard digital imaging, sound design, and animation programs. The basic theory and techniques of creating digital images with digital cameras and scanners will be covered. Capturing and editing digital audio will also be covered, plus the fundamentals of digital video. The course includes hands-on projects in image creation and editing, sound creation and editing, plus animation. It will stress the conceptual, aesthetic and technical concerns of digital media, emphasizing creativity and experimenting with the medium. The class will also provide an overview of the field of digital media art by exploring the works of prominent digital artists and a wide variety of career paths in the digital arts.

DIG 2109C
Digital Imaging and Fundamentals (4)
Prerequisite: DIG 2000
Classification: Parallel
This course introduces students to the fundamental tools and techniques of creating digital images with Adobe Photoshop and Illustrator. Students will focus on the use of the computer as a creative tool for the development of artistic images. This course emphasizes the principles of visual design, color theory and developing artistic concepts to inform your work. The course will explore how image manipulation, compositing, image capture, digital illustration, and vector graphics can be used to create unique aesthetic and conceptual experiences for a viewing audience.
EAP 0300C  
*English as a Second Language – Speech/Listening (4)*  
Classification: Prep  
This is a skill-based course for students with limited proficiency in English. Students focus on speech and listening skills as they pertain to second language education. Particular emphasis will be placed on the improvement of students’ communication skills and fluency. This course teaches pronunciation, intonation, word and sentence stress, as well as structures in everyday communication. Students will develop the ability to communicate in most social situations, clarify or rephrase statements to facilitate communication, and use language that is socially and culturally appropriate. This course incorporates the use of the interactive language laboratory for instruction and reinforcement.

EAP 0340C  
*English as a Second Language – Writing (4)*  
Classification: Prep  
ESL Writing will focus on the structure and different kinds of paragraphs. Students will develop the ability to write basic structured academic paragraphs in preparation for college preparatory and more advanced courses. This course covers the basics of developing ideas for paragraphs, writing topic, supporting and concluding sentences. Additionally, students will learn about specific kinds of paragraphs (i.e., descriptive, narrative) and practice writing them. Students will be expected to write almost daily and will have ample opportunities to revise and rewrite their work.

EAP 0360C  
*English as a Second Language – Grammar/Structure (4)*  
Classification: Prep  
This is a skill-based course for students with limited proficiency in English. It places emphasis on grammar/structure as it pertains to second language acquisition. This course is for students who need to develop their understanding of grammatical and sentence structure for academic study and communication. Students will learn to demonstrate control of structures through classroom interaction, group work and lab study. Students will utilize the interactive language lab for self-assessment and for practice and retention of skill-specific exercises.

EAP 0440C  
*English as a Second Language – Writing II (4)*  
Prerequisite: EAP 0340C  
Classification: Prep  
This course is designed for nonnative English speaking students who have passed EAP 0340C or were not required to take EAP 0340C but are not yet ready for ENC 1101. Students develop the ability to write various sophisticated, structured paragraphs and academic compositions in various rhetorical modes as well as the ability to execute other academic writing tasks. Grammar skills will be incorporated into written assignments. Does not satisfy A.A. degree communication requirements or carry credit toward an A.A. degree. Minimum of one hour per week in a lab setting is required.

**Course Descriptions**

**DIG 2280C**  
*Digital Video and Sounds (4)*  
Prerequisite: DIG 2109C  
Classification: Parallel  
This course will provide an in-depth study of digital video, animation and sound as a form of art. Students will participate in all aspects of video and audio production including scripting, storyboarding, shooting video, recording audio, editing, post-production effects, and screening of final works. Digital video is the main focus of this class, but alternative options to creating moving images will be explored as well. The course also includes the history of video as an expressive and communicative art form and exploration of the increasingly ubiquitous presence that digital video and sound play in our daily lives.

**DIG 2500**  
*Fundamentals of Interactive Design (4)*  
Prerequisite: DIG 2109C  
Classification: Parallel  
This class explores the history, theory and practice of Web-based and interactive art. The Internet has become a part of our everyday lives and has presented us with a wide array of new tools to develop and share creative content. We will utilize the tools of Web and videogame design to create experimental interactive art works that create unique aesthetic/conceptual experiences for the user. We will investigate the roles played by artists in networked environments and the manner in which their work has created new ways of thinking about interactivity. Students combine audio, video, imaging, animation and other media to build an interactive product using industry-standard software.

**DSC 1212**  
*Introduction to Emergency Management Systems (3)*  
Classification: Dual  
This course introduces students to the emergency management system that provides for federal, state and county preparedness in responding to life-threatening disasters which may confront our communities. Students learn how emergency management systems and processes are organized and directed toward preparing for and responding to hurricanes, tornadoes, flooding, wild fires, earthquakes, airline crashes, terrorist attacks, nuclear power plant incidents, environmental contamination, major health hazard events, epidemics and other threats to public safety.

**EAP 0280C**  
*English as a Second Language – Combined Skills (4)*  
Classification: Prep  
This integrated course, designed for nonnative students with varying levels of English proficiency, covers the four skills of reading, writing, grammar and speaking/listening, as well as improving pronunciation and building vocabulary. Students will develop established skills through classroom activities, multicultural interaction and interactive language software with voice-mapping technology to better prepare themselves for academic study. The course is also intended for community members with high school diplomas who wish to increase proficiency through more rigorous study.
EAP 0460C
English as a Second Language – Grammar/Structure II (4)
Vocational hours: 60
Classification: Prep
This is a skill-based course for students with limited proficiency in English. It is a continuation of EAP 0360C and utilizes the second half of the textbook. It places emphasis on grammar and structure as they pertain to second language acquisition. This course is for students who need to develop their understanding of grammar and sentence structure for communication and academic study. Students will learn to demonstrate control of structures through classroom interaction, group work, texts and lab study. Students will utilize the interactive language lab for self-assessment and for practice and retention of skill-specific exercises. Offered upon request only.

EAP 0480C
English as a Second Language – Intermediate Combined Skills II (4)
Classification: Prep
ESL Combined Skills II is a skill-based course specifically designed for ESL and international students. However, it is also recommended for all students who score 41 and below on the reading section of the CPT test. Students will develop the ability to read academic texts on contemporary and literary topics with an emphasis on extensive reading and the enhancement of critical reading skills.

ECO 2013
Principles of Economics – Macro (3)
Prerequisite: ENC 1101
Classification: Parallel
This course, macroeconomics, pertains to national income, employment, and fiscal policy, monetary policy, economic stability, and current domestic and international economic problems. It is a course in economic principles involving the overall operation of the market economy. Particular attention will be given to the effects of aggregate demand and aggregate supply on the levels of output, employment and prices. This course will also examine how the tools of fiscal and monetary policy may be used in dealing with macroeconomics problems such as unemployment, inflation and economic fluctuation. Gordon Rule applies.

ECO 2023
Principles of Economics – Micro (3)
Classification: Parallel
This course emphasizes microeconomic concepts, including the mechanics of supply and demand, the economics of the firm, the allocation of resources, returns to factors of production, and the concept of a mixed economy and current microeconomic problems.

EDF 2005
Introduction to the Teaching Profession (3)
Prerequisite: ENC 1101
Classification: Parallel
An introductory course designed for those considering entering the educational field as professionals or paraprofessionals and for others who have an interest in education as citizens, taxpayers and voters. Topics include the history of education, principles of teaching and learning, contemporary issues in education, comparative education, and the problems and rewards of the profession. This course is a prerequisite for students who plan to study education in the State University System. A minimum of 15 hours of supervised volunteer field experience in a school setting is required. Gordon Rule applies.

EDF 2085
Introduction to Diversity for Educators (3)
Classification: Parallel
This course is designed to provide students with an understanding of cultural diversity and its influence on education today. Characteristics of specific cultural groups will be discussed along with the applications of various multicultural approaches and instructional techniques and skills to use in the classroom. This course is a prerequisite for students who plan to study education in the State University System. A minimum of 15 hours of supervised volunteer field experience in a culturally diverse setting is required.

EDG 1413C
Classroom Management (3)
Classification: Parallel
This course is designed to help teachers, prospective teachers, and teacher's aides in establishing positive classroom environments and programs. Students will become familiar with a variety of classroom management strategies. Areas of study include designing the physical environment, establishing norms for behavior, encouraging student motivation and accountability, cooperative learning, principles for dealing with inappropriate behavior, working with students' families and working with students with special needs.

EDP 2002
Educational Psychology (3)
Classification: Parallel
An introduction to theories of learning and the literature dealing with education from preschool to college level, including principles of development, motivation, problem-solving, measurement, memory, intelligence and self-concept.

EEC 1000
Introduction to Child Development and Education (3)
Classification: Parallel
This course is designed to give the student an understanding of the total development of a child from conception through age 5. Theories and their practical application to young children will be examined.
**EEC 1603**  
Child Guidance (3)  
Classification: Dual  
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.

**EEC 1907**  
Observing and Recording Behavior (3)  
Classification: Dual  
The course is designed to expose the students to various assessment methods that evaluate a child's skill level. Special attention will be given to designing an individual learning prescription for each child. Students will be able to alter lesson plans based on the needs of the children and determine what activities will enhance the acquisition of skills that prepare children for kindergarten.

**EEC 1921**  
Preschool Workshop (3)  
Classification: Dual  
This course is designed to provide the student with an opportunity to plan an integrated curriculum unit with learning activities for young children. The student will plan and organize a developmentally appropriate environment for preschool children. This will give the opportunity to explore an area of curriculum that is of interest to the student.

**EEC 1931**  
Child Care Seminar (2)  
Classification: Dual  
The Child Care Seminar is designed to prepare students with knowledge, attitudes and skills in the development, care and guidance of children. This course focuses on the state 30-hour training requirement. At the completion of the course, students will register for the state exam.

**EEC 1940**  
Educational Field Experience (3)  
Classification: Dual  
This course is designed for students to participate in an internship program, working with young children in an early childhood setting. Students will have the opportunity to plan schedules and age-appropriate activities in an approved early childhood program. The student will fine tune early childhood skills and enhance preschool teaching abilities in a real-world setting.

**EEC 2001**  
Introduction to Early Childhood Education (3)  
Classification: Dual  
An overview of early childhood education and services for young children and their families. Includes historical roots, societal changes, program differentiation and future trends. Program management will be a focus.

**EEC 2200**  
Curriculum in Childhood Education (3)  
Classification: Dual  
The student will examine curricular content in early learning centers. The student will be introduced to various early learning curricula and age-appropriate activities that are in line with state voluntary pre-kindergarten standards. The student will create a resource file of age appropriate activities. The student will also make numerous materials to use with children.

**EEC 2300**  
Instructional Practices (1)  
Classification: Dual  
This course is designed to give the student one-on-one instruction in appropriate practices with children. The student will be evaluated, and helpful teaching suggestions will be offered.

**EEC 2401**  
Home and Community (3)  
Classification: Dual  
The student will examine the dynamics of the relationship of home, school and community in early childhood education. Communication techniques, parent partnerships and quality early learning programs will be covered.

**EET 1084**  
Survey Of Electronics (3)  
Prerequisite: MTB 1321 or QMB 1001 or any college-level mathematics course  
Classification: Occupational  
This course is ideal for those who wish to take one course that will introduce them to basic DC and AC electricity theory, basic transistor operation and basic digital circuit theory. Mathematical analysis is minimized. Emphasis is on hands-on circuit building and observation.

**EEX 2010**  
Survey of Disabling Conditions (3)  
Classification: Dual  
Students will examine various disabling conditions in young children. Students will have a better understanding of conditions and access for all students. Room arrangement will be reviewed in order to accommodate every child. Laws governing students with disabling conditions will be studied as well as early intervention as a key to each student's success.

**EGS 1110**  
Enterprise Graphics (3)  
Corequisite: CGS 1100  
Classification: Dual  
This course uses AutoCAD as a vehicle for providing basic instruction in geometric construction, multiview projection, sectional views, auxiliary views and descriptive geometry. A grade of C or better is required for successful completion of this course.
EME 2040
Introduction to Technology for Educators (3)
Classification: Parallel
This course is designed to introduce students to the uses of educational technology, including the Internet and World Wide Web, multimedia presentation tools, email, distance learning and contemporary issues in technology. This course is a prerequisite for students majoring in education in the State University System.

EMS 1119
Fundamentals of Emergency Medical Technology (6)
Corequisite: EMS 1119L and EMS 1431 and EMS 1354C
Classification: Occupational
This course is designed to prepare the basic Emergency Medical Technician in accordance with U.S. Department of Transportation curriculum and state of Florida EMS guidelines. Includes an introductory survey of emergency medical services including medical, legal and ethical aspects, role of the EMT, patient assessment, care of wounds and fractures, airway maintenance, medical and environmental emergencies, patient transportation, emergency childbirth, and basic extrication. Successful completion of corequisites provides eligibility to take the national and Florida state EMT certification examinations.

EMS 1119L
Fundamentals of Emergency Medical Technology Skills Laboratory (2)
Corequisite: EMS 1431 and EMS 1119 and EMS 1354C
Classification: Occupational
Lab practice and testing of basic Emergency Medical Technician skills included in the Department of Transportation EMT curriculum and state of Florida EMS guidelines. Skills include focused history, patient assessment, triage, airway maintenance, bandaging, splinting, emergency childbirth and basic extrication. Successful completion of corequisites leads to eligibility to take the national and Florida state EMT certification examinations. Health and accident insurance recommended.

EMS 1354C
Emergency Field Operations (1)
Corequisite: EMS 1119L and EMS 1119 and EMS 1431
Classification: Occupational
This course has two components. The first provides students with the required hazardous materials response training for a Level 1 responder. The second provides them with basic training in Weapons of Mass Destruction response.

EMS 1431
EMT Hospital/Field Experience (2)
Corequisite: EMS 1119 and EMS 1119L and EMS 1354C
Classification: Occupational
Practical application of EMT clinical knowledge and skills under professional supervision. Provides for directed experiences in local hospitals and health facilities, and field observation and experience in emergency vehicles. Successful completion of corequisites provides eligibility for Florida EMT certification examination. Health and accident insurance recommended. Liability insurance required. Valid driver's license required. LAE 0005 Emergency Vehicle Operator's Course (noncredit) is an additional corequisite for this course.

EMS 2010
EMS Anatomy and Physiology (3)
Classification: Occupational
This course is designed to develop the knowledge of human anatomy and physiology necessary for the student to provide prehospital care. This course meets the anatomy and physiology objectives found in the national Department of Transportation Paramedic curriculum.

EMS 2610
Introduction to Paramedic (2)
Classification: Occupational
This introductory course to the Paramedic program includes: EMS roles and responsibilities, the safety and well-being of the paramedic, injury and illness prevention, legal and ethical issues, therapeutic communication and life span development. Florida EMT certification is required prior to enrolling in this course.

EMS 2611
Paramedic Fundamentals (2)
Corequisite: EMS 2611L
Classification: Occupational
This course will provide the student with basic essential knowledge needed to perform paramedic duties. This course will include an introduction of pathophysiology. Emphasis is placed on dosage calculation and medication administration, IV therapy and IV complications. Florida EMT certification is required prior to enrolling in this course.

EMS 2611L
Paramedic Fundamentals Skills Lab (2)
Corequisite: EMS 2611
Classification: Occupational
In this course, the student demonstrates in a lab environment, the psychomotor skills necessary for being paramedics. These include use of body substance isolation equipment, medication administration, IV therapy and troubleshooting, history taking, physical assessment, documentation skills, communication skills, and the recognition and treatment of shock. Florida EMT certification is required prior to enrolling in this course.
EMS 2612
Paramedic Airway Management and Ventilation (1)
Corequisite: EMS 2612L
Classification: Occupational
This course will teach the student how to establish an airway and maintain a patient's airway, oxygenate and ventilate a patient and the safety factors involved. Also included: pulmonary circulation and respiration process, identifying respiratory distress, suctioning the airway, uses of oral and nasal airways, insertion of NG tube, using a B-V-M, use of ETT, and other advanced airway support techniques. Florida EMT certification is required prior to enrolling in this course.

EMS 2612L
Paramedic Airway Management and Ventilation Lab (1)
Corequisite: EMS 2612
Classification: Occupational
In this lab student will learn to use oxygen equipment, oral and nasal airways and intubate. Safety precautions are stressed for adults and children. Florida EMT certification is required prior to enrolling in this course.

EMS 2613
Paramedic Patient Assessment (1)
Corequisite: EMS 2613L
Classification: Occupational
This course will prepare the student to appropriately evaluate a patient and develop a treatment plan based upon the evaluation. Topics include history taking, techniques of physical examination, patient assessment, clinical decision-making, communication and documentation. Therapeutic communication will be stressed, as well. Florida EMT certification is required prior to enrolling in this course.

EMS 2613L
Paramedic Patient Assessment Lab (1)
Corequisite: EMS 2613
Classification: Occupational
In the lab, this course will provide the student the ability to practice doing patient assessment across the life span. Topics include history taking, techniques of physical examination, patient assessment, clinical decision-making for one and a group of patients, communication and documentation skills. Therapeutic communication will also be stressed. Florida EMT certification is required prior to enrolling in this course.

EMS 2614
Trauma Emergencies (2)
Corequisite: EMS 2614L
Classification: Occupational
This course is designed to give the student an in-depth study in pathophysiology and management of trauma for adults and children. The focus is assessment of the trauma patient, management of hemorrhage and shock, head and facial, thoracic, abdominal, spinal and CNS injuries, musculoskeletal injuries, multi-system trauma injuries, burns, special airway problems and current trends in trauma management. Florida EMT certification is required prior to enrolling in this course.

EMS 2614L
Trauma Emergencies Lab (1)
Corequisite: EMS 2614
Classification: Occupational
This course is designed to give the student the opportunity to effectively manage the essential skills and tasks such as assessment and management of hemorrhage, shock, burns, soft tissue trauma, head, facial, spinal, thoracic, abdominal and musculoskeletal trauma. Florida EMT certification is required prior to enrolling in this course.

EMS 2615
Medical Emergencies I (3)
Corequisite: EMS 2615L
Classification: Occupational
This course teaches emergency care of children and adults with cardiac and pulmonary problems. Pharmacological agents for these conditions are calculated. Recognition and treatment modalities for dysrhythmias are covered. Adults and children with special challenges in sensory and mobility limitations are also a focus of this class. Florida EMT certification is required prior to enrolling in this course.

EMS 2615L
Medical Emergencies Lab I (2)
Corequisite: EMS 2615
Classification: Occupational
In this lab, students will learn to use an electrocardiogram, EKG, intubation (adults and children) and ventilation equipment. Abnormal EKG readings and appropriate interventions are covered. IV administration for cardiac and pulmonary medications is practiced. Cardiac and respiratory arrest drills are held. Use of ventilators, cricothyrotomy and chest decompression are practiced. Implementation of special challenged persons' needs during life threatening situations is also practiced. Florida EMT certification is required prior to enrolling in this course.

EMS 2618
EMS Operations (1)
Classification: Occupational
This course will give the students an overview of how the EMS system is managed and specific areas of EMS operations. The course will also include medical incident command, hazardous materials incidents, rescue, and crime scene awareness. Florida EMT certification is required prior to enrolling in this course.
EMS 2619
Medical Emergencies II (3)
Corequisite: EMS 2619L
Classification: Occupational
This course focuses on the emergency care of adults and children with the following conditions: neurological, endocrine, allergies, gastrointestinal, renal, toxicology, hematology, environmental and infectious diseases. Geriatric adaptation is covered. The pharmacological agents for these conditions are also covered. Florida EMT certification is required prior to enrolling in this course.

EMS 2619L
Medical Emergencies II Lab (1)
Corequisite: EMS 2619
Classification: Occupational
This course is designed to give the students hands-on practice in the lab setting for using equipment and skills related to those topics presented in the didactic portion of Medical Emergencies II. Emphasis will be on neurology, endocrinology, allergies and anaphylaxis, gastroenterology, renal, urology, toxicology, hematology, environmental conditions, infections and communicable diseases, pediatrics and geriatrics, and acute intervention for the chronic care patient.

EMS 2628
Paramedic OB/GYN Neonatal Emergencies (1)
Corequisite: EMS 2628L
Classification: Occupational
This course is designed to instruct students in normal and abnormal obstetric deliveries, and to deal with specifics of neonatal emergencies. Covers assessment of the gynecological patient, gynecological emergencies, complications of pregnancy, routine care of the neonate, and care of the distressed infant. Florida EMT certification is required prior to enrolling in this course.

EMS 2628L
Paramedic OB/GYN Neonatal Emergencies Lab (1)
Corequisite: EMS 2628
Classification: Occupational
In this lab, students will practice the skills necessary to assess emergency GYN and OB conditions, assist with an emergency delivery and reactivate a distressed newborn. Florida EMT certification is required prior to enrolling in this course.

EMS 2630
Behavioral Emergencies (1)
Classification: Occupational
The student will learn to recognize and cope with behavioral emergencies including emotional, suicidal, chemical and drug related. Patient and personal safety methods are taught. Legal implications are discussed. Florida EMT certification is required prior to enrolling in this course.

EMS 2645
Paramedic Clinical Experience II (4)
Classification: Occupational
This course is the application of knowledge, skills and values assimilated in Medical Emergencies I and II and Trauma Emergencies. Using the background in the previous semester, the student will enhance assessment skills and treatment plans to the patients in a less-controlled environment. Clinical skills will include improving assessment skills, airway management skills, and venous access skills. In addition, the student will begin to develop field impressions and identify treatment plans appropriate to findings from patient assessment and history. Florida EMT certification is required prior to enrolling in this course.

EMS 2656
Paramedic Clinical I (4)
Classification: Occupational
This course is the application of knowledge, skills and values assimilated in patient assessment, fundamentals, behavioral emergencies and airway management classes to actual patients in structured environments. Clinical skills include patient assessments and evaluation, vital signs management, development of airway management skills, communications skills, IV skills, assessment and evaluation of patients with mental health emergencies, assessment and evaluation of obstetrical emergencies, various other skills necessary for patient care, and development of safety practices. Florida EMT certification is required prior to enrolling in this course.

EMS 2658
Paramedic Clinical Experience III (5)
Classification: Occupational
This final clinical course prepares the student to become an entry-level paramedic. With supervision, the student will learn to function independently as a team leader on a mobile intensive care unit. The student will have a variety of opportunities to hone skills and techniques to manage pre-hospital patients. Advanced Cardiac Life Support (noncredit) is also required for this course. Florida EMT certification is required prior to enrolling in this course.

ENC 0015
Developmental Writing I (3)
Corequisite: SLS 1501
Classification: Prep
An English composition course designed for the student scoring 59 or below on the CPT or the equivalent to this score on the ACT or SAT who needs to develop basic skills in word choice, parts of speech, sentence structure, sentence conventions, grammar and paragraphing. No student may enroll in this course more than three times without paying full cost of instruction.
ENC 0025  
**Developmental Writing II (3)**  
Corequisite: SLS 1501  
Classification: Prep  
An English composition course designed for the student scoring 60 to 82 on the CPT or the equivalent to this score on the ACT or SAT who needs to develop basic skills in word choice, parts of speech, sentence structure, grammar, paragraphing and essay development. No student may enroll in this course more than three times without paying full cost of instruction.

ENC 1101  
**Freshman Composition Skills I (3)**  
Classification: Parallel  
The first course in college composition designed to develop skills in writing multiparagraph essays with emphasis on exposition, including the selection, restriction, organization, development and revision of essays. The student examines selected writing samples as models of form and sources of ideas for the student’s own writing. Gordon Rule applies.

ENC 1102  
**Freshman Composition Skills II (3)**  
Prerequisite: ENC 1101  
Classification: Parallel  
This course is an introduction to the basic concepts used in reading literature and in writing about literature. Specifically, the course explores the three principal literary genres — fiction, poetry, drama — and the terms that apply to an understanding of how to read those genres. Also, it builds on the compositional skills introduced in ENC 1101 by its requirements of a literary research assignment and other writing assignments. Gordon Rule applies.

ENC 2210  
**Technical Communications (3)**  
Prerequisite: ENC 1101  
Classification: Dual  
Technical Communications familiarizes students with the methodology of technical communications and the most prevalent forms of technical writing. Students learn a variety of presentational formats as well as practical applications, such as how to write instructions, mechanical descriptions, summaries, definitions, proposals and long reports. This course is helpful for majors in business and technical fields. Gordon Rule applies.

ENL 2000  
**Honors English Literature (3)**  
Prerequisite: ENC 1101  
Corequisite: ENC 1102  
Classification: Parallel  
This course is designed for students capable of intensive study and discussion of a variety of representative selections from English literature, including works by Chaucer, Shakespeare, Milton, Johnson, Pope, Wordsworth, Shelley, Byron, Tennyson and T. S. Eliot. Selective admission. Admission to the Community of Scholars honors program or permission of instructor is required. Gordon Rule applies.

ENL 2012  
**English Literature I (3)**  
Prerequisite: ENC 1101  
Corequisite: ENC 1102  
Classification: Parallel  
This course is an introductory survey that stresses both the thematic content and structural importance of British literature from Beowulf through the 17th century. Emphasis is on poetry and drama of major authors including Chaucer, Shakespeare, Sidney, Donne, Milton, Pope and Johnson. May be taken for credit without ENL 2022. Gordon Rule applies.

ENL 2022  
**English Literature II (3)**  
Prerequisite: ENC 1101  
Corequisite: ENC 1102  
Classification: Parallel  
This course is an introductory survey of British literature in the 19th and 20th centuries. Emphasis is on thematic content and structural importance of poetry, fiction and drama of major authors of the period, including Wordsworth, Byron, Blake, Keats, Tennyson, Arnold, Browning, Joyce, Lawrence and Beckett. Please note that ENL 2012 English Literature I is not a prerequisite. May be taken for credit without ENL 2012. Gordon Rule applies.

ESC 1000  
**Earth Science (3)**  
Classification: Parallel  
An introductory study of the nature, origin, composition and processes of the planet on which we live. The course presents basic concepts and current theories from the fields of geology, meteorology, and oceanography and astronomy. Students are introduced to the basic concepts and current theories in these fields. It is designed to allow students to become more aware of their physical environment and the dynamic planet on which we live.

ESC 1000L  
**Earth Science Lab (1)**  
Corequisite: ESC 1000  
Classification: Parallel  
Laboratory designed to accompany ESC 1000. Exercises designed to emphasis concepts and principles of Earth Science.

ESC 1200C  
**Earth Science for Educators (4)**  
Classification: Parallel  
A survey course of the earth sciences: geology, meteorology, oceanography and astronomy with a lab component. Emphasis on science content with pedagogy and applications for K-8 preservice and inservice teachers. Includes the development, by the participants in the course, of age-appropriate labs and activities for K-8 students along with other teaching materials.
ETD 2320C
Computer-Aided Drafting and Design (3)
Corequisite: EGS 1110
Classification: Dual
Instruction in the use of microcomputers to generate working drawings. Emphasis is on the fundamental principles of design, function and operation of a CAD system to create, display, analyze, modify and store detailed engineering and mechanical graphics.

ETD 2350C
Advanced Computer-Aided Drafting and Design (3)
Prerequisite: ETD 2320C
Classification: Dual
This course is a continuation of ETD 2320C. Students in this course learn advanced applications in AutoCAD.

ETD 2355C
Three-Dimensional Modeling (3)
Prerequisite: ETD 2320C
Classification: Dual
This course introduces students to the three-dimensional modeling features of AutoCAD. Emphasis is on the creation of 3-D wire frames, surface models and solid models. Offered upon request only.

ETD 2461
Mechanical Systems Drafting (3)
Prerequisite: EGS 1110
Corequisite: ETD 2320C
Classification: Dual
This is a survey course of specialized areas of mechanical drafting such as gear and cam drafting, electronic drafting, structural drafting, piping drafting and welding drafting.

ETD 2540C
Civil Drafting (3)
Prerequisite: ETD 2320C
Corequisite: MTB 1321
Classification: Dual
This course covers the fundamental, yet comprehensive, coverage of civil drafting technology, including mapping scales, mapping symbols, measuring distance and elevation, surveying fundamentals, location and direction, legal description and plot plans, residential subdivision plans, commercial site plans, contour lines, profiles, highway layout, earthwork, and an introduction to structural drafting and to geographic information systems. A grade of C or better is required in this course for graduation from the Drafting and Design Technology program.

ETD 2730
Industrial Drafting (3)
Prerequisite: ETD 2320C
Classification: Dual
This course covers dimensioning and tolerancing; threads, fasteners and springs; and design and working drawings. A grade of C or better is required in this course for graduation from the Drafting and Design Technology program.

ETD 2801C
Pictorial Drafting (3)
Prerequisite: ETD 2320C
Classification: Dual
This course will provide instruction in axonometric (isometric, dimetric and trimetric) projections, oblique (cavalier and cabinet) projections, and perspective (one-point, two-point and three-point) projections. This course will help the student communicate his or her design ideas using pictorial drawings that can be easily understood by persons without technical training. A grade of C or better is required for graduation from the Drafting and Design Technology program.

ETI 1117
Introduction to Quality Control (3)
Classification: Occupational
This course will provide a fundamental, yet comprehensive, state-of-the-art exploration of quality control and continuous improvement — covering not only the principles and practices but also the tools and techniques used in day-to-day quality operations. It presents tools and techniques of statistical process control, benchmarking, Quality Function Deployment, experimental design, Taguchi’s quality engineering, activity-based costing, and quality strategic planning. It also presents sufficient theory to ensure a solid understanding of basic concepts, and it reduces mathematical techniques to simple mathematics or reduces them in the form of tables and charts.

ETI 1151
Instrument Techniques and Measurement (3)
Prerequisite: ETI 1411
Classification: Parallel
This course covers the concepts and techniques of metrology as applied to the quality process. The uses and applications of measurement with various types of instruments are also covered in this course.

ETI 1411
Manufacturing Processes I (3)
Classification: Dual
A study of methods and materials used in industrial production of nonchip-producing processes, including casting, forging, welding, stamping, shearing, brake, powder, metallurgy, electrical discharge machining and high-energy rate forming.

ETI 1622
Concepts of Lean Manufacturing and Six Sigma (3)
Prerequisite: ETI 1411
Classification: Parallel
This course provides an introduction to the basic principles and theories of lean manufacturing. Lean manufacturing involves identifying and eliminating non-value-adding activities in design, production, and supply chain management. The course introduces the concepts of Juran, Demming, Taylor, Shingo, and Ohno. Course coverage also includes topics related to cost
reduction, work-free manufacturing, continuous flow, kaizen, the 5 S’s, value stream mapping, modular manufacturing, and overall equipment effectiveness.

ETI 1628
Developing and Coaching Self-Directed Work Teams (3)
Prerequisite: ETI 1411
Classification: Parallel
This course begins with an exploration of teams and how they work. Manufacturing teams create the opportunity to mix complementary technical work skills to improve the production process. Course coverage includes the principles and tools used by self-directed work teams in identifying and solving problems in the workplace.

ETI 1720C
Industrial Safety (3)
Classification: Occupational
This course addresses topics in industrial safety to improve worker safety awareness knowledge through use of the 29 CFR 1910 (General Industry Regulations) and Occupational Safety and Health Act websites. Upon completing this course, a worker will be able to recognize safety hazards, recommend strategies for compliance and cite provisions in 29 CFR. Additionally, this course will provide the necessary foundation to enter the area of analysis and design of safety programs in industry.

ETI 2610
Six Sigma for the Expert (3)
Prerequisite: ETI 1411
Classification: Parallel
This course provides an introduction to the basic principles and theories of Six Sigma as used in the continual improving process. The course examines the tools most common to Six Sigma projects and how and when to use them. The focus of the course is on measurement methods, data collection, data integrity, and graphical methods of presenting findings.

ETI 2623
Lean Enterprise for the Expert (3)
Prerequisite: ETI 1411
Classification: Parallel
This course provides an overview of lean manufacturing concepts with a working knowledge of the tools required to implement and maintain a lean manufacturing facility. Course coverage includes mistake proofing, the 5 S’s for operators, quick changeover, overall equipment effectiveness, cellular manufacturing, and the Kanban system.

ETP 1500
Alternative Energy Inventory and Analysis (3)
Classification: Occupational
This course provides students with basic principles of: conversion of energy into electricity; the requirements and conditions of power electronics converters; economics and trading of green electricity. The course will discuss evolving alternative energy policies, technologies and career areas. Alternative Energy Inventory and Analysis provides a global vision of available and potential energy sources, discusses their particular advantages and drawbacks, and helps prepare current and future generations to use energy differently and exploit new energy sources.

ETP 1500L
Alternative Energy Inventory and Analysis Lab (2)
Classification: Occupational
This course provides students with the basic principles of: building science and residential energy; the procedures used to assess the performance of new and existing buildings. The lab provides specific instructions on identifying the most effective energy conservation procedures.

ETP 1501
Introduction to Energy, Environment and Society (3)
Classification: Occupational
This course provides students with the basic principles and history of traditional and alternative energy sources; current industry and government status of geothermal, wind, solar, biomass, fuel cells and other traditional energy sources. The course will discuss evolving alternative energy policies, technologies, and career areas.

ETP 1510
Biofuels and Biomass (3)
Classification: Occupational
This course provides students with the basic principles of Biofuels and biomass systems design and installation. Students in this course will identify biofuels and biomass fuel sources (organic matter); describe biofuels and biomass technologies, applications and efficiency; analyze biofuels and biomass manufacturing, distribution and integration issues; evaluate biogas and its sources and site location; design a biofuels and biomass system and its related components; and identify various microturbines and their components.

ETP 1520
Geothermal Energy (3)
Classification: Occupational
This course provides students with the basic principles of geothermal systems design and installation. The course will discuss evolving policies, technologies and career areas. Students will analyze a site or location and evaluate it for geothermal applications and be able to describe passive heating and cooling building designs; design a geothermal system, geothermal efficiency model; analyze geothermal manufacturing issues including equipment evaluation; create a cost analysis for a geothermal project; and complete a geothermal project.
ETP 1930
Special Topics in Alternative Energy (1)
Classification: Occupational
This course centers on topics of current interest or special interest to students or instructors. Topics or focus may vary from semester to semester. Topics will be identified by ETP 1930 title published in the course schedules for each semester that the course is offered. This course may be repeated for credit.

ETP 2410
Solar Energy (3)
Classification: Occupational
This course provides students with the basic principles of photovoltaic and solar heating systems design and installation. The course will discuss evolving policies, technologies and career areas. Students will analyze a site or location and evaluate it for solar applications and be able to describe passive heating and cooling building designs; design a solar water heating system, a solar cooking device, and a solar energy efficiency mode; and diagram a solar thermal electric system, analyze solar manufacturing issues including equipment evaluation and types of collectors and filters; create a cost analysis for a solar powered project; and complete a solar energy project.

FFP 1000
Introduction to Fire Science (3)
Classification: Occupational
A study of the philosophy and history of firefighting, the history of loss of life and property by fire, the review of municipal fire defenses, a study of the organization and function of federal, state, county and private fire protection agencies, and a survey of professional fire protection career opportunities.

FFP 1302
Fire Apparatus Operation (3)
Classification: Occupational
The curriculum covers the laws, rules and driving techniques for emergency vehicles, as well as a review of fire service hydraulics. Fireground evolutions and a driving course make up the practical part of the course. The evolution portion of the course includes the use of preconnected lines, tandem pumping, drafting, relays and master streams. The student should have a basic understanding of fire stream hydraulics prior to entering this course. Students must bring gloves and proper attire for water pumping exercises.

FFP 1505
Fire Prevention Practices (3)
Classification: Occupational
A study of fire inspection practices including such items as purpose, definition, Fire Prevention Bureau activities, hazards, fire behavior, fire causes, types of construction, including structural features, flame spread, occupancy and fire load, inspection techniques, conducting inspections. (40 hours)

FFP 1510
Codes And Standards (3)
Classification: Occupational
A study of construction classification, methodology and the codes written to enforce the standards of construction. (40 hours)

FFP 1540
Private Fire Protection Systems (3)
Classification: Occupational
A study of private fire protection and detection systems such as sprinkler and standpipe systems, chemical extinguishing systems, detection systems and devices. Each system is discussed as to its need, construction, preventive maintenance and individual uses. (40 hours)

FFP 2111
Fire Chemistry (3)
Vocational hours: 45
Classification: Occupational
This course is designed to show the different features and forms of matter and energy, common substances, and how they relate to fires. The chemical formulae of flammable and combustible substances, their bondings and separations, as well as the different chemical reactions related to fire and oxidation are covered. Particular emphasis is placed on the specific substances to ignite and accelerate burnings. Note: This course may require pre/post course work. Student will be notified prior to class. (45 hours)

FFP 2120
Fire Service – Building Construction (3)
Classification: Occupational
A study of building construction in relation to fire protection. The general fire behavior of each type of building construction, including the spread of fire and the safety of the building, occupants and firefighter. (40 hours)

FFP 2301
Fire Service Hydraulics (3)
Classification: Occupational
A study of the mechanics of the flow of fluids through fire hoses, nozzles, pumps, standpipes, water mains and other devices. Includes the design, testing and use of nozzles and appliances; pumps and water distribution systems; measurement of fluid flow, and methods of determining quantities of water available from a distribution system. The course curriculum covers relationship between flow and pressure and mathematical hydraulic formulas. Students must bring a simple calculator with square root function. Course includes pump theory, pump rating, and pressure and vacuum gauges. (40 hours)
Course Descriptions

**FFP 2521**  
Construction Documents and Plan Review (3)  
Classification: Occupational  
This curriculum is geared toward teaching the student how to assimilate information contained in working, drawing and specifications as they relate to the fire inspector. The curriculum includes how to interpret conventional graphic communications. Accepted standards and conventions are introduced. Symbols, abbreviations, principles of technical projection, as well as a review of construction arithmetic and geometry, are included. Related worksheets are used to allow for applied experience of finding and interpreting information from authentic drawings. Students must bring an architectural scale. Note: This course may require work to be done prior to and/or following attendance at the course. Students will be notified prior to the class. Part of Fire Inspector I certification requirements. (40 hours)

**FFP 2604**  
Arson Investigation (3)  
Prerequisite: FFP 2630  
Classification: Occupational  
A study of the laws pertaining to arson and explosives to include identification and knowledge of explosives and incendiary devices. Emphasis is placed on interviews, statements and reports, interrogation and presenting the arson case in the courtroom. Students must have State Certification of Compliance or Fire Inspector Certification or be a registered police officer to register for this course.

**FFP 2610**  
Fire Investigations – Cause and Origin (3)  
Classification: Occupational  
The curriculum in 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, construction, ignition sources, reading fire patterns and scene reconstruction. Special topics on electrical fire investigation, woodland fires, vehicle fires, mobile home fires, RV, boat and ship fires. Additional topics include special emphasis on fire scene documentation and extinguishing/alert systems. Note: This course may require work to be done prior to and/or following attendance at the course. Students will be notified prior to the class. Students are required to have hard hat, protective boots and gloves. Part of Fire Investigator I and Fire Inspector II certification requirements. (40 hours)

**FFP 2720**  
Company Officer (3)  
Classification: Occupational  
Designed to assist fire officers in solving the varied problems and situations they will be required to manage effectively in today's ever-changing fire service. The curriculum includes a review of fire department organization and administration, management theory, leadership, communication, motivation and small-group dynamics. (40 hours)

**FFP 2740**  
Fire Service Course Delivery (3)  
Classification: Occupational  
The curriculum draws from many recognized authorities in exploring the methods and mechanics of imparting information and adult learning principles. The course emphasizes techniques which have wide application in teaching situations, as well as devices for specific areas. Also stressed are measuring teaching effectiveness, the use of media and visual aids. Note: This course may require work to be done prior to and/or following attendance at the course. Students will be notified prior to the class. Part of Fire Officer I, Fire Instructor I, Fire Instructor II and Fire Instructor III certification requirements. (40 hours)

**FFP 2770**  
Ethical and Legal Issues for the Fire Service (3)  
Vocational hours: 45  
Classification: Occupational  
This course deals with the entire spectrum of issues facing today's fire service leaders. Topics include labor relations, human rights and diversity, and conflicts of interest. Frameworks for ethical decision-making are used. Note: This course may require pre/post course work. Students will be notified prior to class. (45 hours)

**FFP 2780**  
Fire Department Administration (3)  
Classification: Occupational  
A study of the basic concepts of leadership and management as applied to a fire service organization. Emphasis is given to the development of organizational and communication skills for interdepartmental operations. Areas of instruction include personal management, fire signal systems, fire insurance, fire insurance regulations and mutual aid systems. The course is designed to present the principles of management theory, and its application in the fire service. The course is intended for officers whose area of responsibility encompasses long- and short-range planning, budgeting and administration. (40 hours)

**FFP 2810**  
Fire Fighting Tactics and Strategy I (3)  
Classification: Occupational  
The curriculum is designed to cover basic factors involved in coping with an emergency scene and determining the best use of available resources in protecting lives and property. The course emphasizes the changing nature of an emergency situation and the ways in which the fire officer can evaluate the effectiveness of his or her proposed Incident Action Plan. (40 hours)
FFP 2811
Fire Fighting Tactics and Strategy II (3)
Prerequisite: FFP 2810
Classification: Occupational
Advanced study of the fire attack. Includes study of ladder company operations, company duties and operations in a fire ground situation, engine company operations, handling of a major fire and special problem fires. Curriculum covers multiple company operations, logistics, strategy, use of mutual aid forces and conflagration control. The course is intended for officers who may be in command of fires and other emergencies involving close coordination and maximum use of large amounts of staffing and equipment. Typical tactical situations and case histories are given. The development of critical thinking skills is stressed. (40 hours)

FIL 2000
The History and Aesthetics of Cinema (3)
Prerequisite: ENC 1101
Classification: Parallel
An introduction to the critical study of motion pictures, emphasizing the history and aesthetics of cinema. Significant American and foreign films will be viewed and discussed. This course may be available online or as a hybrid. Gordon Rule applies.

FIN 2100
Personal Finance (3)
Classification: Dual
Provides comprehensive coverage of personal planning in theories of money management, career planning, taxes, consumer credit, other consumer decisions, legal protection, insurance, investments, retirement planning and estate planning.

FRE 1120
Elementary French I (4)
Classification: Parallel
This course stresses fundamentals of grammar and drills in pronunciation and reading, with special emphasis on oral expression in French. (3 hours lecture and 2 hours laboratory per week)

FRE 1121
Elementary French II (4)
Prerequisite: FRE 1120
Classification: Parallel
This course is a continuation of FRE 1120. It continues to stress fundamentals of grammar and drills in pronunciation and reading, with special emphasis on oral expression in French. (3 hours lecture and 2 hours laboratory per week)

GCO 1400C
Turfgrass For Golf and Landscaping (3)
Classification: Occupational
Identification, evaluation, establishment and maintenance of turf grasses used in golf and landscape practice.

GCO 1743
Golf Course Design and Construction (3)
Classification: Occupational
This course provides students with a comprehensive introduction to the basic elements, concepts and principles of golf course design and construction. The course emphasizes the master planning and developmental execution of a new golf course project, as well as pertinent redesign and reconstruction issues.

GCO 1930
Special Topics – Manage Machinery and Equipment (1)
Classification: Occupational
This course will prepare individuals to establish, manage and maintain golf course surfaces.

GCO 1942
Field Training in Turf Equipment Management (3)
Classification: Occupational
Field training and machinery management is a practicum providing students with real-world turf equipment technology experience. The emphasis of this course is on application of theoretical classroom concepts taught in other golf and agribusiness-related classes.

GCO 2632
Golf Course Organization and Administration (3)
Classification: Occupational
This course presents an in-depth study of golf course management practices; budgeting; record keeping; awareness of local, state and federal laws; and skills in leadership, communication, public relations and human relations.

GEA 2000
World Geography (3)
Prerequisite: ENC 1101
Classification: Parallel
A study of the relationships between population, human activities and the physical world. Representative countries are studied on a comparative basis as to the influence of geography on humans. This course may be available online or as a hybrid. Gordon Rule applies.

GEB 1011
Introduction to Business (3)
Classification: Dual
Orientation to the study of business administration. Emphasis on the environment, structure and functions of business; current and emerging problems.
GEB 2350
Introduction to International Business (3)
Classification: Dual
This is an introductory course in international business. The major topics covered are the theoretical basis for trade, cultural differences that influence business transactions, the impacts of trade regulations, exchange rates, investment in other countries and the movement of factors of production between countries.

GEB 2430
Ethics in Management (3)
Classification: Dual
This course teaches the expertise needed to make ethical business management decisions. The focus is primarily on ethical issues that corporate decision makers face in developing policies concerning employees, customers and the general public. The positions on these issues and the arguments for them are taken from a wide variety of sources, including economics and the law.

GEB 2935
Survey of Electronic Business (3)
Vocational hours: 45
Prerequisite: GEB 1011 and CGS 1100
Classification: Parallel
This course introduces the student to a range of issues facing the business person engaging in electronic commerce. Topics include business opportunities in cyberspace, a discussion of the tools of electronic commerce, security issues, and legal and multicultural considerations.

GLY 1102
Age of Dinosaurs (3)
Classification: Parallel
This course was created in response to the public fascination with dinosaurs. It is aimed at students in the nonscience fields. Concepts covered include the nature of fossils and the rock record, how geologic events are dated, plate tectonics, paleoecology, evolution, dinosaur hunters, and of course, the various groups of dinosaurs themselves. The class will also focus on three recent areas of controversy relating to dinosaurs: their "hot-bloodedness," the cause of their extinction, and the evolution of birds from dinosaurs. This course may be counted as either a biological or physical science credit.

GLY 2010C
Physical Geology with Lab (4)
Classification: Parallel
This course is an introduction to the study of the materials, structures, and features of the Earth and the processes that produced them. Topics addressed include origin and classification of rocks, volcanoes and earthquakes, glaciations, mountain building, marine geology, hydrology, weathering and erosion, plate tectonics and geologic time. A lab accompanies this course and includes rock and mineral identification and the use of topographic and geologic maps and aerial photographs in the study of Earth's structural features. (3 hours lecture and 2 hours laboratory per week)

HIM 1430
Concepts of Disease (3)
Prerequisite: HSC 2531
Classification: Occupational
This course gives an overview of common diseases and illnesses. It focuses on the anatomy and physiology, common signs and symptoms, diagnostic tests, treatment and pharmacology associated with each condition. Information gained in this course will enable students to abstract, analyze and code information from the medical record.

HIM 1453C
Health Information Technology Anatomy and Physiology I (4)
Prerequisite: HIM 1453C
Classification: Parallel
An anatomy and physiology course providing the foundation for understanding the complexities of the human body, specifically geared toward the health information technology student. It examines the cellular and tissue levels of organization as well as the following organ systems: integumentary, skeletal, muscular, nervous, endocrine. Content will be presented under the unifying theme of homeostasis, supported by relevant discussions of disruptions to homeostasis.

HIM 1454C
Health Information Technology Anatomy and Physiology II (4)
Prerequisite: HIM 1453C
Classification: Parallel
A continuation of Part I, also geared toward the health information technology student. Covers the following organ systems: cardiovascular, lymphatic, respiratory, digestive, urinary, reproductive. Emphasis on structure, function and clinical conditions of these systems. Content will be presented under unifying theme of homeostasis, supported by relevant discussions of disruptions to homeostasis.

HIM 1800
Introduction to Health Information Management I (3)
Corequisite: CGS 1100
Classification: Dual
This course is designed to introduce students to the principles of health information management. It provides an overview of the evolution of health care delivery systems, health-related associations, organizations and agencies in the United States, as well as the history of the health information management profession. The development, content and management of the hospital medical record will be discussed. Students will be introduced to forms design, filing methods, storage and retention, coding and classification systems, indexes, health information in reimbursement, health care information, and the impact of technology on health information processes.
HIM 1949
Practicum I – Acute Care Settings (3)
Vocational hours: 120
Prerequisite: HIM 1800 and HIM 2012
Classification: Occupational
This course provides students with supervised, practical experience in an acute care facility health information department. Emphasis is placed on providing opportunities for students to relate classroom theory to the actual functions of a health information department, such as record assembly and analysis, medico-legal procedures, information retention, filing and retrieval, and the use of technology. Students will become familiar with policies and procedures and understand the relationships other hospital departments have with the health information department. This course also enables students to further develop critical thinking and problem-solving skills in realistic situations.

HIM 2012
Legal Aspects of Medical Records (3)
Prerequisite: CGS 1100 and HIM 1800
Classification: Occupational
This course is designed to assist students with an understanding of the legal principles that govern the health information field. It emphasizes the legal theories underlying lawsuits involving the health care field, medical record content, access to patient records, confidentiality and informed consent, and disclosure of records in legal actions.

HIM 2201
Comparative Health Records (3)
Prerequisite: HIM 1800
Classification: Occupational
This course presents an overview of the management of health information in sites other than acute settings, including ambulatory care and specialized treatment facilities. Emphasis is on regulatory issues, documentation, reimbursement and funding modalities, information management, quality improvement, risk management issues, and the roles of health information personnel in each setting.

HIM 2211
Health Information Systems (3)
Prerequisite: CGS 1100 and HIM 1800 and HIM 1949
Classification: Occupational
The purpose of this course is to provide students with knowledge and understanding of the various computer health information systems that are encountered in health information departments. Topics for discussion include clinical data repositories (including the various registries), community health information networks, telemedicine, transcription, the computerized patient record, voice recognition technology and optical disc scanning. Use of data sets and databases, data collection methods, and the importance of data quality will be discussed.

HIM 2214
Health Care Statistics (3)
Prerequisite: QMB 1001 and HIM 1800 and CGS 1100
Classification: Occupational
The purpose of this course is to provide students with knowledge and understanding of the statistical information used in health care settings. Emphasis is placed on the terminology, definitions and formulas used to calculate common statistics, including standard rates, percentages and averages using patient data. Data collection, analysis and presentation will also be studied.

HIM 2234
Advanced Coding (3)
Vocational hours: 45
Prerequisite: HIM 2722 and HIM 2253
Classification: Dual
The student will learn to assign the Physicians’ Current Procedure Terminology (CPT) and ICD-10-CM codes to complex medical and surgical diagnoses and procedures in inpatient and outpatient settings. Current concepts and changes related to coding practice and reimbursement by prospective payment systems will be reviewed. The student will have hands-on practice using encoder software (AHIMA Competencies).

HIM 2253
CPT Coding (3)
Vocational hours: 45
Prerequisite: HSC 2531 and HIM 1453C and CGS 1100
Corequisite: HIM 1430 and HIM 1454C
Classification: Occupational
This course is an introduction to the coding principles, characteristics and conventions of coding using the Physicians’ Current Procedure Terminology (CPT) coding nomenclature. A working knowledge of medical terminology is required for this course.

HIM 2260
Medical Billing and Reimbursement (3)
Vocational hours: 45
Prerequisite: CGS 1100
Classification: Occupational
This course serves as an introduction to health insurance claims processing, carrier requirements, and applicable state and federal regulations. It acquaints students with the billing procedures used in physician offices, hospital and ambulatory surgery services. Emphasis is on electronic billing, managed care systems, worker’s compensation, Medicare, Medicaid, third-party payers, ethics and confidentiality. The students will have the opportunity to apply their knowledge in a laboratory setting utilizing billing software.
HIM 2442
Pharmacology for HIM Professionals (2)
Prerequisite: HIM 1453C and HSC 2531
Corequisite: HIM 1454C and HIM 1430
Classification: Occupational
The purpose of this course is to provide students with introductory knowledge and understanding of pharmacology. It will present a basic rationale for understanding current drug therapy.

HIM 2510
HIM Management Principles (3)
Vocational hours: 45
Prerequisite: HIM 1949 and HIM 1800
Classification: Occupational
This course is designed to introduce the student to supervision and management of the resources found in health information management settings, including staff, budget and equipment. Additionally, quality management, utilization review and risk management will be studied in depth. The basic management functions of planning, organizing, leading and controlling will be discussed as applied to health information management.

HIM 2722
ICD-10-CM Coding (3)
Vocational hours: 45
Prerequisite: HIM 1454C and HSC 2531 and HIM 1430 and HIM 2253 and CGS 1100 and HIM 1453C
Classification: Occupational
This course provides instruction in the basic principles and guidelines for using the International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) in the coding of diagnoses.

HIM 2723
ICD-10-PCS Coding (3)
Vocational hours: 45
Prerequisite: HIM 2722
Classification: Occupational
This course provides instruction in the basic principles and guidelines for using the International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) in the coding of medical procedures.

HIM 2949
Practicum II – Alternate Care Settings Co-op (3)
Vocational hours: 120
Prerequisite: HIM 1949 and HIM 2201
Classification: Occupational
This course provides students with supervised, practical experience in several of the health information departments at alternate care settings. Emphasis is placed on providing opportunities for students to relate classroom theory to the actual functions in settings other than acute care. Emphasis is on the unique regulatory requirements and record-keeping practices of these health facilities. The types of facilities in which students may gain this experience include public health departments, nursing facilities, large physician practices, hospice agencies, surgery centers, rehabilitation centers, prisons and mental health centers. This course also enables students to further develop critical thinking and problem solving skills in realistic situations.

HIS 2955
Studies Abroad in Civilization (3)
Prerequisite: ENC 1101
Classification: Parallel
An introduction to the political, intellectual and cultural history of foreign nations designed to provide a cross-cultural contact with people of other countries. Study and travel abroad are supplemented with readings and classroom lectures in Florida. May be repeated for credit. Permission of instructor or department chair is required. Gordon Rule applies.

HLP 1081
Personal Wellness Appraisal and Improvement (3)
Prerequisite: ENC 1101
Classification: Parallel
Designed to help students understand their current health status and provide them with the knowledge of a functional program for wellness. Gordon Rule applies.

HLP 1082
Wellness Applications (2)
Prerequisite: HLP 1081
Classification: Parallel
This course covers modules of the basic wellness concepts with concentration in cardiovascular fitness and personal lifestyle improvement.

HSC 1562
Issues of Aging (3)
Classification: Parallel
Examines the psychological, sociological and physiological aspects of adult aging. Emphasis is on the theories of why and how we age, lifestyles, and factors which influence healthy aging, personal needs, and issues of the later years. Offered upon request only.

HSC 2140
Drugs In Society (3)
Classification: Parallel
The course emphasizes the social, moral, psychological and physiological causes and effects of drug use and abuse in society.

HSC 2400
First Aid (3)
Classification: Parallel
Training and the immediate care given a victim of an accident or sudden illness. Emphasis is placed on skills and knowledge essential to the prevention of accidents. Certification in first aid and cardiopulmonary resuscitation (CPR) is issued upon satisfactory completion of the course.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Classification</th>
<th>Prerequisites</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>HSC 2531</td>
<td>Medical Terminology (3)</td>
<td>Parallel</td>
<td></td>
<td>This course is designed to help develop comprehensive, integrative skills in using and understanding medical terminology. Included in the course work are prefixes, suffixes, roots and combining forms. Emphasis is on pronunciation, spelling and definition of words as they relate to basic anatomy and physiology. Terms for diagnostic procedures, pathology and treatment procedures in each body system, as well as the pharmacological terms, are included. Common medical abbreviations are covered.</td>
</tr>
<tr>
<td>HSC 2654</td>
<td>End of Life Ethics (3)</td>
<td>Parallel</td>
<td></td>
<td>Introduces the origins and development of death attitudes and behaviors. Topics include grief and mourning processes, coping strategies, resources, and ethical issues related to the end of life. Emphasis is on death as a normal developmental event. Offered upon request only.</td>
</tr>
<tr>
<td>HUM 1020</td>
<td>Introduction to the Humanities (3)</td>
<td>Parallel</td>
<td></td>
<td>An exploration of the arts, ideas and values in Western culture.</td>
</tr>
<tr>
<td>HUM 1020H</td>
<td>Honors Introduction to the Humanities (3)</td>
<td>Parallel</td>
<td>ENC 1101</td>
<td>This is a beginning course in humanities, designed primarily for students admitted to the CF Community of Scholars Honors Program. Honors classes that do not have the requisite number of honors students may admit other students on a conditional basis, at the discretion of the instructor. In a small, seminar-style setting, emphasis will be placed on an in-depth analysis of the cultural and ethical values of our Western tradition, from pre-Classical to the present. Admission to the Community of Scholars program, 3.3 or higher GPA, or permission of instructor required. Gordon Rule applies.</td>
</tr>
<tr>
<td>HUM 1210</td>
<td>Introduction to the Humanities – To the Renaissance (3)</td>
<td>Parallel</td>
<td>ENC 1101</td>
<td>A chronological exploration of the arts, literature and ideas in ancient and medieval Western culture. An emphasis will be given to the role of the humanities in expressing the dominant traits and ideas of cultural periods from the Renaissance to the present. This course may be offered online or as a hybrid.</td>
</tr>
<tr>
<td>HUM 1230</td>
<td>Introduction to the Humanities – Since the Renaissance (3)</td>
<td>Parallel</td>
<td>ENC 1101</td>
<td>A chronological exploration of the arts, literature and ideas in ancient and medieval Western culture. An emphasis will be given to the role of the humanities in expressing the dominant traits and ideas of cultural periods from the Renaissance to the present. This course may be offered online or as a hybrid.</td>
</tr>
<tr>
<td>HUM 2310H</td>
<td>Honors Mythology in Art, Philosophy and Religion (3)</td>
<td>Parallel</td>
<td>ENC 1101</td>
<td>An intensive study, specifically for honor students, into the identification, underlying meaning and dynamic relation of mythological symbols in art, philosophy and religion. Admission to the Community of Scholars program, a 3.3 or higher GPA, or permission of instructor is required. Gordon Rule applies.</td>
</tr>
<tr>
<td>HUM 2418</td>
<td>Islamic Civilization (3)</td>
<td>Parallel</td>
<td>ENC 1101</td>
<td>A study of the arts, ideas, values and cultural institutions of the Islamic world from the birth of Muhammad to the present. This course is designed to increase awareness and understanding of an important culture outside of the Western tradition. Offered upon request only. Gordon Rule applies.</td>
</tr>
<tr>
<td>HUM 2450</td>
<td>American Humanities (3)</td>
<td>Parallel</td>
<td>ENC 1101</td>
<td>An introductory course in the arts, literature and ideas of American culture. The emphasis is on the role of the humanities in the historical context of the American experience. Gordon Rule applies.</td>
</tr>
<tr>
<td>HUM 2520</td>
<td>Music in the Humanities (3)</td>
<td>Parallel</td>
<td>ENC 1101</td>
<td>Study of Western music in relation to other disciplines in Western culture, including philosophy, religion, mathematics and the arts.</td>
</tr>
<tr>
<td>HUM 2532</td>
<td>Western Ideologies (3)</td>
<td>Parallel</td>
<td></td>
<td>Study of the leading ideas and doctrines that have shaped modern Western culture from the Middle Ages to the present. Gordon Rule applies.</td>
</tr>
</tbody>
</table>
HUM 2532H
Honors Western Ideologies (3)
Prerequisite: ENC 1101
Classification: Parallel
This course presents an overall view of Spanish culture and civilization by combining history, art, literature, music and customs. There is a special emphasis on the Spanish Golden Age period. This course is taught in English. Gordon Rule applies.

HUM 2930
Spanish Culture and Civilization (3)
Prerequisite: ENC 1101
Classification: Parallel
This course presents an overall view of Spanish culture and civilization by combining history, art, literature, music and customs. There is a special emphasis on the Spanish Golden Age period. This course is taught in English. Gordon Rule applies.

HUN 1201
Human Nutrition (3)
Corequisite: ENC 1101
Classification: Dual
Students will study the basic principles of nutrition and develop skills in applying the recommended dietary allowances to all age groups. The course emphasizes food nutrients, impact of diet on disease and healthy lifestyles across the life cycle. Cultural and economic factors related to food and consumer information regarding food safety are also major topics. Students will complete a personal diet analysis.

HUS 1001
Principles and Strategies for Human Services (3)
Classification: Parallel
This course reviews the history of human services with particular emphasis on the field of maternal and child services and health. Various models of service delivery will be investigated. The roles, functions and duties of human service professionals and maternal and child specialists will be explored. The development of a professional identity and the ethics of practice will be discussed. Personal qualities essential for being an effective helping professional will be considered.

HUS 1111
Strategies for Personal Effectiveness (3)
Classification: Parallel
This course will utilize student-centered learning activities and is designed to provide students with a foundation in practical applications of psychology, sociology, counseling and human services theories and skills through individual self exploration and collaborative activities. The course will assist students in developing positive management strategies to promote lifelong learning and personal success. Topics will include learning styles, psychology of childhood and adolescence, concepts of adulthood and autonomy, psychological and physical wellness, stress management, making a plan for change, positive relationships, interpersonal communication, dealing with life challenges, the role of culture in the development of values, ethics and decision making. This course may be available online or as a hybrid.

HUS 1551
Cultural Diversity and Implications for Practice (3)
Classification: Parallel
This course addresses cultural diversity and its implications for effective counseling and human service practice. It considers the psychological impact of factors such as sex, race, ethnicity and culture, religious preference, socioeconomic status, sexual orientation and physical disability. It explores common stereotypes and out-group prejudices and how to overcome them in counseling. Finally, it reviews counseling and teaching issues and strategies for diverse families and clients.

HUS 2540
Principles for Understanding and Working with Families (3)
Classification: Parallel
This course presents family theories most often used by human service workers as the framework for working with families. Three of these theories — the ecological model of human development, family systems theory and empowerment theory — will be used to help students understand the complexity of family development and adaptation, and the impact of stress on the family system. The student will learn how these theories can be used in the development of family/professional collaboration and application of family-centered practice. Students will learn and practice skills for empowering families to assess their strengths, concerns and priorities, and to plan for how to meet their needs.

HUS 2541
Working with Families in the Early Childhood Period (3)
Classification: Parallel
This course addresses three important issues of early childhood: health, development and parenting. Common health problems of infancy and early childhood are discussed along with important health promotion and disease prevention strategies for creating safe and nurturing environments. Content will address general social, environmental and biological influences and factors that collectively impede or facilitate individual and family development, the major periods and domains of child development, and the importance of early learning experiences that enhance brain development. Students will learn about characteristics and importance of parent-child interactions as well as other cultural and social influences on parenting skills. The depth of developmental knowledge provided is intended to enhance the skills of the family health and support worker, to increase their ability to provide anticipatory guidance and teaching, and to empower the parent-child relationship.
HUS 2542
Working with Families in the Perinatal Period (3)
Classification: Parallel

Pregnancy is an exciting and important time in the life of a woman, her unborn child, and family members. This course reviews central issues that affect the family, particularly mother and child, before conception through the end of the first month after birth. Students will learn information to enhance their ability to support a woman as she gets ready for pregnancy, undergoes many changes in her body and the way she feels while pregnant, while in labor, and following delivery. The student will learn what a woman should not do when pregnant, how to enable the pregnant woman to take care of herself to have a healthy baby, warning signs of problems, and care and feeding of the new baby. Students will practice skills for assessing a mother’s emotional adjustment to the birth of her infant, the interactions and bonding behaviors with her child, and the infant’s physical adaptations and social responsiveness.

IDS 1307
Interdisciplinary Studies Math, Science and the Arts (3)
Classification: Parallel

This interdisciplinary course is an exploration of the mathematical and scientific applications within the visual and performing arts. Sample topics include wave properties as applied to music, sound and holography, symmetry, fractals and chaos.

INR 2002
International Relations (3)
Prerequisite: ENC 1101
Classification: Parallel

This course is designed to introduce the student to some of the major developments in world politics, with special reference to the place of the United States in the world community.

ISC 1004
Integrated Natural Sciences I – Honors (3)
Classification: Parallel

This course is designed to explore the frontiers of science. Students examine current scientific research and developments in both the physical and biological sciences. In this course students will have an opportunity to work with many of the science faculty which will provide an optimum environment for scientific inquiry and understanding.

ISS 1013
Introduction to the Social Sciences (3)
Classification: Parallel

An introduction to the social sciences and to the major issues facing America today. Topics include population, minorities, cities, crime, poverty, health, the environment, values and international relations. This course may be available online or as a hybrid.

ISS 2930
Special Topics in Social Sciences (3)
Classification: Parallel

This course centers on topics of current interest or special interest to students or instructors. Topics or focus may vary from semester to semester. Topics will be identified by ISS 2930 title published in the course schedules for each semester that the course is offered. This course may include a study abroad component, depending on topic. This course may be repeated for credit. Special topics credit hours are not automatically transferable. Transfer credit is the prerogative of the receiving institution.

ISS 2936
Honors Colloquium in Contemporary Social Issues (1)
Classification: Parallel

An examination of contemporary social issues making use of a variety of experiences that include guest speakers and visiting experts. Admission to the Community of Scholars Program, a 3.3 or higher GPA, or permission of instructor is required.

JOU 2100
Introduction to Journalism and Newspaper Production (3)
Classification: Parallel

Permission of instructor is required. A course designed to provide fundamental instruction and practice in mass communication writing and production. This class produces the college newspaper, The Patriot Press. May be repeated for credit. Labs require some additional time. Scholarships and tuition rebates are available, retroactively, to students who demonstrate outstanding ability and participation. (2 hours lecture and 3 hours laboratory per week)

JOU 2901
Independent Study in Journalism (1)
Classification: Parallel

This course is a companion course for journalism majors repeating JOU 2100 as editors and section editors of The Patriot Press. This independent study course requires study time in addition to JOU 2100 and allows students to intensify and broaden study in a particular field or aspect of journalism.

JOU 2902
Independent Study in Journalism (2)
Classification: Parallel

This course is a companion course for journalism majors repeating JOU 2100 as editors and section editors of The Patriot Press. This independent study course requires study time in addition to JOU 2100 and allows students to intensify and broaden study in a particular field or aspect of journalism.
JOU 2903
Independent Study in Journalism (3)
Classification: Parallel
This course is a companion course for journalism majors repeating JOU 2100 as editors and section editors of The Patriot Press. This independent study course requires study time in addition to JOU 2100 and allows students to intensify and broaden study in a particular field or aspect of journalism.

LAH 2020
Introduction to Latin American Civilization (3)
Classification: Parallel
A survey of Latin American history and culture from pre-Columbian times to the present, including developments in philosophy and the arts, as well as political and economic trends. Topics include pre-Columbian art, literature, and thought; the role of the church; the status of women; race relations; and Latin American relations with the United States.

LIN 2740
Applied Linguistics (3)
Prerequisite: ENC 1101 and ENC 1102
Classification: Parallel
Linguistics deals with the description and analysis of the constituents of language and languages, including meaning, structure, and processes, with the use and misuse of language and languages, as well as with its interaction with cognate disciplines, including but not limited to anthropology, classics, communications studies, computer science, education, English language and literature, English as a second/foreign language, mathematics, neurology and related sciences of the brain, psychology and sociology.

LIS 1002
Introduction to Library Research Skills (1)
Classification: Parallel
Students will be introduced to the core concepts of information retrieval and techniques for locating, analyzing, organizing and evaluating information resources both in print and electronic.

LIT 2110
World Literature I (Eighth Century BC-17th Century AD) (3)
Prerequisite: ENC 1101
Corequisite: ENC 1102
Classification: Parallel
This course develops understanding of the historical traditions of world literature from the Ancient World through the Renaissance. Emphasis is on development of Western literary attitudes through works, usually in translation, from the Old Testament and through such authors as Homer, Aeschylus, Euripides, Aristophanes, Virgil, Dante, Boccaccio, Chaucer, Rabelais, Cervantes, Donne and Milton. May be taken for credit without LIT 2120. Gordon Rule applies.

LIT 2120
World Literature II (17th-20th Century) (3)
Prerequisite: ENC 1101
Corequisite: ENC 1102
Classification: Parallel
This course develops understanding of the historical traditions of world literature from the Enlightenment to the present. Emphasis is on the development of Western literary attitudes and ideas through works, often in translation, by such authors as Moliere, Swift, Goethe, Tolstoy, Ibsen, Beaudelaire, Pirandello, Yeats, Kafka, Lorca and Solzhenitsyn. May be taken for credit without LIT 2110. Gordon Rule applies.

LIT 2330
Introduction to Children's Literature (3)
Prerequisite: ENC 1101
Corequisite: ENC 1102
Classification: Parallel
This course presents a survey of the field of children’s literature, with analysis of the various genres, issues and formats. Gordon Rule applies.

MAC 1105
College Algebra (3)
Prerequisite: MAT 1033 or a CLM score of at least 40
Classification: Parallel
This course is designed as a foundational course for those students who must take additional mathematics in their chosen majors and do not yet have an appropriate background. The emphasis is the study of mathematics from a functional perspective, including linear, quadratic, rational, absolute value, radical, exponential and logarithmic functions. Systems of equations and inequalities and applications such as curve fitting, mathematical modeling, optimization and exponential growth and decay are included. Gordon Rule applies.

MAC 1105L
College Algebra Laboratory (1)
Corequisite: MAC 1105
Classification: Parallel
This laboratory course is designed to provide students with the opportunity to actively experience mathematics. Students will investigate relationships among variables through experimentation, data collection and research. The laboratory topics are aligned with the concepts and skills of the College Algebra course MAC 1105.
MAC 1114
Trigonometry (3)
Prerequisite: MAC 1105 or a CLM score of at least 70
Classification: Parallel
This course is designed to assist students in developing the trigonometric background for the calculus curriculum and/or other areas that require a trigonometry course. Graphing calculator and/or computer algebraic system work is required in this course. Gordon Rule applies.

MAC 1140
Precalculus (Algebra) (3)
Prerequisite: MAC 1105 or a CLM score of at least 70
Classification: Parallel
This course is designed for students who need to develop the appropriate background for the calculus curriculum. This course includes discussion of functions (from an analytical, numerical and graphical perspective) that are needed in upper mathematics courses, conic sections, matrices and determinants, sequences and series, mathematical induction and the Binomial Theorem. Graphing calculator and/or computer algebraic system work is required in the course. Gordon Rule applies.

MAC 1147
Precalculus Algebra/Trigonometry (5)
Prerequisite: MAC 1105 or a CLM score of at least 70
Classification: Parallel
This course is a combination of MAC 1140 and MAC 1114. Graphing calculators and/or computer algebra systems will be used and required in the course. Gordon Rule applies.

MAC 2233
Calculus for Business and Social Science (3)
Prerequisite: MAC 1140 or a CLM score of at least 103
Classification: Parallel
An introduction to calculus with applications to business and the social sciences. The course includes the study of functions, limits, continuity, differentiation and integration of algebraic, logarithmic and exponential functions, rates of change and curve sketching. Emphasis is on modeling and practical applications in solving business, economic and social science problems. Graphing calculator and/or computer algebraic system work is required in the course. Gordon Rule applies.

MAC 2311
Calculus I with Analytic Geometry (5)
Prerequisite: MAC 1140 and MAC 1114, or MAC 1147 or a CLM score of at least 103
Classification: Parallel
This course includes single variable calculus covering analytic geometry of the conics, differentiation and integration of the algebraic, logarithmic, trigonometric and exponential functions. Gordon Rule applies.

MAC 2312
Calculus II with Analytic Geometry (5)
Prerequisite: MAC 2311
Classification: Parallel
This course is designed to cover single variable calculus, differential equations, applications of integration, antiderivative techniques, indeterminate forms, sequences and series, analytic geometry, parametric equations and polar coordinates. Gordon Rule applies.

MAC 2313
Calculus III with Analytic Geometry (4)
Prerequisite: MAC 2312
Classification: Parallel
This course is designed to cover calculus topics in both two and three dimensions, including vector calculus, partial differentiation, multiple integrals, line and surface integrals. Gordon Rule applies.

MAE 2801
Mathematics for Educators (3)
Vocational hours: 45
Prerequisite: MAC 1105 or MGF 1106 or MGF 1107 or a CLM score of at least 70
Classification: Parallel
This course is designed to provide a study in mathematical ideas suitable for education majors and those needing course work for teacher re-certification. The topics covered will include number sense, concepts and operations, measurement, geometry and spatial sense, algebraic thinking, data analysis and probability. The topics are in alignment with the National Council of Teachers of Mathematics standards, the Sunshine State Standards, math curriculum of Marion, Citrus and Levy counties, and the FCAT.

MAN 2021
Principles of Management (3)
Classification: Dual
A study of the principles of management including planning, organizing, directing and controlling, with emphasis on the analytical framework for solving organizational problems.

MAN 2300
Introduction to Human Resources Management (3)
Classification: Occupational
The purpose of this course is to explore the theories and practices relating to the management of human resources. The role of the human resources department will be emphasized with particular attention being focused upon the importance of department supervisors and executives with respect of human resources management.
MAP 2302
Elementary Differential Equations (3)
Prerequisite: MAC 2312
Classification: Parallel
This is a first course in ordinary differential equations and applications. This course covers homogeneous and non-homogeneous equations, linear equations with constant coefficients, power series method, Laplace transform, systems of first order differential equations and numerical solutions. Gordon Rule applies.

MAR 2011
Principles of Marketing (3)
Classification: Dual
A study of the functions, institutions and methods of marketing goods and services. Relates marketing to the total economic structure and emphasizes the importance of the consumer.

MAT 0990
Developmental Mathematics (3)
Classification: Preparatory
A developmental mathematics course designed to strengthen arithmetic, geometry and algebra skills. Successful completion of this course requires mastery of the material in nine modules covering arithmetic, algebra through quadratic equations, radical expressions and graphing techniques. In addition, successful completion of this course requires a passing score on the Florida Exit Exam for Developmental Math. This course may be repeated for up to nine credits.

MAT 1033
Intermediate Algebra (3)
Prerequisite: MAT 0990 or a PERT score of at least 113, or SAT of at least 440, or ACT of at least 19
Classification: Parallel
This course is intended to provide students with the opportunity to develop a mathematical foundation necessary to take College Algebra, Statistics and/or other Gordon Rule mathematics courses. To enroll in this course, students should have, as a minimum, a recent and substantial Algebra I course in high school or equivalent. This course counts as elective credit only. It does NOT count as mathematics credit toward the A.A. degree.

MCB 2010C
Microbiology with Lab (4)
Prerequisite: BSC 2010 or BSC 2085C or CHM 1032 or CHM 1025 or CHM 2045 or CHM 2046 or CHM 2210 or CHM 2211
Classification: Parallel
A study of microbiology that emphasizes effects of microorganisms on human systems. Topics will include microbial cell structure, function and metabolism; requirements for and control of growth; genetics, mutations, and biotechnology; a survey of bacteria, viruses, algae, fungi, protozoa and helminthes; interactions with and impact of microbes on humans, including mechanisms of pathogenicity. (3 hours lecture and 2 hours laboratory per week)

MET 1010C
Introduction to Meteorology (4)
Classification: Parallel
This course is intended to introduce the student to the Earth-atmosphere system and the meteorological processes that drive our planet’s weather and climate. The basic concepts of local, regional, and global-scale phenomena such as air masses, fronts, tropical cyclones and severe weather are tied together with recent advances in weather satellite technology to provide the student with an understanding of the atmosphere. Viewing the atmosphere as an integral part of a system, the topics of climate and climate change are made relevant to many fields of interest beyond pure science such as agriculture, economics, journalism, and government policy-making. (3 hours lecture and 2 hours laboratory per week)

MGF 1106
Liberal Arts Mathematics I (3)
Prerequisite: MAT 1033 or a CLM score of at least 40
Classification: Parallel
This course is designed for students whose majors do not require courses in Statistics, College Algebra or Pre-Calculus. MGF 1106 is not designed as a prerequisite for other mathematics courses. Topics covered in this course include systematic counting and probability, statistics, geometry, sets and logic. Some topics related to the history of mathematics are also included in the course. This course does count toward the Gordon Rule mathematics requirement for the A.A. degree. Gordon Rule applies.

MGF 1107
Liberal Arts Mathematics II (3)
Prerequisite: MAT 1033 or a CLM score of at least 40
Classification: Parallel
This course is designed for those students who do not need Statistics, College Algebra or Pre-Calculus mathematics. This course covers a selection of topics from within the following general areas: financial mathematics, linear and exponential growth, numbers and number systems, history of mathematics, elementary number theory, voting techniques, and graph theory. It is strongly suggested that students complete MGF 1106 prior to taking this course. This course does count toward the Gordon Rule mathematics requirements for the A.A. degree. Gordon Rule applies.

MGF 1108
Fundamentals of Applied Mathematics (3)
Prerequisite: MAT 1033 or a CLM score of at least 40
Classification: Parallel
A survey of mathematical topics will include technical problem solving, set theory, logic, number theory, application of functions, modular arithmetic, graph theory, the mathematics of finance, and the application of statistical methods to process and quality control. Thus, a primary objective of the course is an emphasis on decision making when addressing technical issues that is based on skills and knowledge acquired in this and related courses. The course is also suitable for those students that require additional skills development before enrolling in
MKA 2021
Sales, Marketing and Advertising (3)
Classification: Occupational
A study of the principles of effective selling, including an examination of the personal and economic aspects of selling, as well as a consideration of consumer motivation, knowledge of company and competitors' products, and techniques of successful sales presentations.

MMC 1000
Survey of Communications (3)
Classification: Parallel
A course dealing with various mass communications media, emphasizing newspapers, radio and television. Principal focus is on the development and the responsibility of these media to the public and on the differing styles of the media for writing assignments.

MMC 1101
Writing for Mass Communication (3)
Prerequisite: ENC 1101
Classification: Parallel
This is a preprofessional course designed to provide fundamental instruction and practice in writing for print and electronic news organizations, as well as for advertising and public relations. Gordon Rule applies.

MNA 2141
Basic Leadership/Supervisory Skills (3)
Classification: Dual
A study of practical applications of supervisory principles needed in a modern organizational environment including leadership techniques, communication, motivation, employee training and development, decision making and performance appraisal.

MSL 1001C
Foundations of Officership (2)
Classification: Dual
Purpose and organization of the Army Reserve Officer Training Corps and the United States Army. It includes an introduction to military customs and traditions, rank structure and the role of an Army officer. Each student must register for and attend a two-hour, weekly leadership laboratory. Laboratory consists of a two-hour block of instruction which directly supports freshman classroom instruction. Participation in at least one weekend field training session, one community service project and two Army physical fitness tests are required.

MSL 1002C
Basic Leadership (2)
Classification: Dual
Purpose and organization of the Army Reserve Officer Training Corps and the United States Army. It includes an introduction to military customs and traditions, rank structure and the role of an Army officer. Each student must register for and attend a two-hour, weekly leadership laboratory. Laboratory consists of a two-hour block of instruction which directly supports freshman classroom instruction. Participation in at least one weekend field training session, one community service project and two Army physical fitness tests are required.

MSL 2101C
Individual Leadership Studies (2)
Prerequisite: MSL 1001C or MSL 1002C
Classification: Dual
This course presents the future leader, through a combination of classroom instruction and laboratory practical application, an in-depth look at basic troop/organization leadership principles and skills. Provides training on the basics of rifle marksmanship and instruction on the principles of modern warfare and effective writing. Students must register for and attend a two-hour, weekly leadership laboratory. Laboratory consists of a two-hour block of instruction which directly supports sophomore classroom instruction. Participation in at least one weekend field training session, one community service project and two Army physical fitness tests are required.

MSL 2102C
Leadership and Teamwork Techniques (2)
Prerequisite: MSL 1001C or MSL 1002C
Classification: Dual
A continuation of MSL 2101C, this course further presents the future leader, through a combination of classroom instruction and laboratory practical application, an in-depth look at basic troop/organization leadership principles and skills. Provides additional training on the basics of rifle marksmanship and further instruction on the principles of modern warfare and effective writing. Students must register for and attend a two-hour, weekly leadership laboratory. Laboratory consists of a two-hour block of instruction which directly supports sophomore classroom instruction. Participation in at least one weekend field training session, one community service project and two Army physical fitness tests are required.

MTB 1321
Technical Mathematics (3)
Classification: Dual
This course is designed for students who wish to study in a technical field. Topics include algebra, concepts in graphing and applied geometry. This course is not recommended for transfer students.
MUC 1101
Introduction to Music Composition (2)
Classification: Parallel
Introduction to Music Composition for the serious student of music. The material will encompass basic compositional terms and techniques and enable the student to progress into MUC 1102, a repeatable course of basic/intermediate composition.

MUC 1102
Music Composition (2)
Prerequisite: MUC 1101
Classification: Parallel
Music Composition for the serious student of music. The material will encompass more advanced compositional terms and techniques and enable the student to repeat MUC 1102, a course of basic/intermediate composition. May be repeated for credit.

MUE 2040
Introduction to Music Education (3)
Classification: Parallel
This course introduces education students to the music education profession. It is the first course in the music education curriculum for students working toward a vocal, general or instrumental K-12 teaching certificate in Florida. The organization and curriculum of American music education in the total program of the school will be explored. Observation in a variety of school settings will enrich class discussion.

MUE 2450
Woodwind Techniques (2)
Classification: Parallel
Group instruction in woodwind instruments with emphasis upon basic skills of performance, as well as the appropriate teaching techniques, methods and materials necessary for public school pedagogy.

MUL 1010
Music Appreciation (3)
Prerequisite: ENC 1101
Classification: Parallel
This course includes discussions of the musical elements, forms, historical periods, and major composers' lives, styles and representative works. Gordon Rule applies.

MUN 1012
Wind Symphony (1)
Classification: Parallel
This ensemble of wind, percussion, and string instruments performs traditional wind band repertoire as well as transcriptions and arrangements of symphonic literature. Repertoire will represent various periods of western European history (Renaissance-Modern) and include also select popular styles. Membership is open to all students. Audition required. Chair placement is based on audition at the beginning of the semester.

MUN 1270
College Band (1)
Classification: Parallel
Audition and permission of instructor are required. This large ensemble studies and performs standard band repertoire. The group performs public concerts each semester. The course may be repeated for credit.

MUN 1310
Musical Theatre Ensemble (2)
Corequisite: MUN 1340
Classification: Parallel
Audition and permission of instructor required. An entertainment-oriented choral ensemble that represents the college through performance of a varied repertoire of choral music, often with choreography. Membership by audition only. The course may be repeated for credit.

MUN 1340
Concert Choir (1)
Classification: Parallel
Audition and permission of instructor required. This course includes the study and performance of works representative of a wide spectrum of literature designed for a small vocal ensemble. It is open to all students through audition and by permission of the instructor. The course may be repeated for credit and is designed for the student who enjoys serious choral literature and possesses musicianship skills.

MUN 1410
String Ensemble (1)
Classification: Parallel
This course is designed for students who desire to rehearse and perform in a string ensemble (orchestra) without winds and percussion. Until such time as there are significant numbers of strings to form a chamber orchestra, the string students will be assigned this ensemble as their major performing group. Permission of instructor is required. May be repeated for credit.

MUN 1420
Woodwind Ensemble (1)
Classification: Parallel
This small ensemble studies and performs chamber music for woodwind instruments. The course may be repeated for credit.

MUN 1430
Brass Ensemble (1)
Classification: Parallel
This small ensemble studies and performs chamber music for brass instruments. The course may be repeated for credit. Permission of instructor required.
MUN 1710
Jazz Band (1)
Classification: Parallel
Audition and permission of instructor are required. This ensemble studies and performs Big Band jazz arrangements from the 1930s to the present. Improvisation will be studied. The group performs both at campus and in the community each semester. The course may be repeated for credit.

MUN 1770
Jazz/Pop Combo Ensemble (1)
Classification: Parallel
Audition and permission of instructor are required. This select combo performs with Variations show choir in a wide variety of popular musical styles. The group performs both at campus and in the community, touring occasionally. The course may be repeated for credit.

MUT 1001
Fundamentals of Music (3)
Classification: Parallel
This course introduces the basics of music, including clefs, pitch, rhythm, scales, keys and intervals. The course is open to all students and is required for music majors with little or no previous music theory background.

MUT 1111
Music Theory I (3)
Prerequisite: MUT 1001
Concurrent: MUT 1241
Classification: Parallel
The course begins with written and analytical study of diatonic musical materials, including scales, keys, intervals, triads, seventh chords, chord progressions and non-harmonicism.
Skills needed: reading music, piano or instrument training.

MUT 1241
Sightsinging and Eartraining I (1)
Vocational hours: 30
Prerequisite: MUT 1001
Corequisite: MUT 1111
Classification: Parallel
Students begin development of eartraining, sightsinging, and dictation skills using diatonic materials.

MUT 1242
Sightsinging and Eartraining II (1)
Vocational hours: 30
Prerequisite: MUT 1241
Corequisite: MUT 1112
Classification: Parallel
Students continue development of eartraining, sightsinging, and dictation skills using diatonic materials.

MUT 2116
Music Theory III (3)
Vocational hours: 45
Prerequisite: MUT 1112
Corequisite: MUT 2246
Classification: Parallel
The course continues written and analytical study of musical materials, including chromatic material, binary and ternary forms, diatonic seventh chords and chromatic sixth chords.

MUT 2117
Music Theory IV (3)
Vocational hours: 45
Prerequisite: MUT 2116
Corequisite: MUT 2247
Classification: Parallel
The course continues written and analytical study of musical materials, including chromatic, impressionistic, and 20th century music, 9th, 11th, and 13th chords, and chords and progressions in special situations.

MUT 2246
Sightsinging and Eartraining III (1)
Vocational hours: 30
Prerequisite: MUT 2246
Corequisite: MUT 2117
Classification: Parallel
Students continue development of eartraining, sightsinging, and dictation skills including chromatic materials and modulation.

MUT 2247
Sightsinging and Eartraining IV (1)
Vocational hours: 30
Prerequisite: MUT 2246
Corequisite: MUT 2117
Classification: Parallel
Students continue development of eartraining, sightsinging, and dictation skills including chromatic and atonal music.
Applied Music Secondary Level (1)
One half-hour private lesson per week.
This course is designed for students who desire applied music instruction at the collegiate level and for music majors who must study a secondary instrument for degree requirements. Pupils study scales, chords, etudes, and standard repertoire for their respective instruments. Vocal students complete exercises and standard repertoire for each type of voice. The college charges a lab fee in addition to registration fees. The 1000-level courses are for first-year instruction. The 2000-level courses are for second-year instruction.

MVB 1211-2221 trumpet
MVB 1212-2222 horn
MVB 1213-2223 trombone
MVB 1214-2224 baritone horn
MVB 1215-2225 tuba
MVP 1211-2221 percussion
MVW 1211-2222 flute
MVW 1212-2222 oboe
MVW 1213-2223 clarinet
MVW 1214-2224 bassoon
MVW 1215-2225 saxophone
MVK 1211-2221 piano
MVK 1212-2221 voice
MVO 2220-2221 other instruments
MVS 1211-2221 violin
MVS 1212-2222 viola
MVS 1213-2223 violoncello
MVS 1214-2224 double bass
MVS 1216-2226 guitar

Applied Music Principal Level (2)
One-hour private lesson per week.
This course is designed for students who desire applied music instruction at the collegiate level and for music majors who must study a secondary instrument for degree requirements. Pupils study scales, chords, etudes, and standard repertoire for their respective instruments. Vocal students complete exercises and standard repertoire for each type of voice. The college charges a lab fee in addition to registration fees. The 1300-level courses are for first-year instruction. The 2300-level courses are for second-year instruction.

MVB 1311-2321 trumpet
MVB 1312-2322 horn
MVB 1313-2323 trombone
MVB 1314-2324 baritone horn
MVB 1315-2325 tuba
MVP 1311-2323 percussion
MVW 1311-2321 flute
MVW 1312-2322 oboe
MVW 1313-2323 clarinet

MVW 1314-2324 bassoon
MVW 1315-2325 saxophone
MVK 1311-2321 piano
MVV 1311-2321 voice
MVS 1311-2321 violin
MVS 1312-2322 viola
MVS 1313-2323 violoncello
MVS 1314-2424 double bass
MVS 1316-2326 guitar

MVK 1111
Class Piano I (1)
Classification: Parallel
Class instruction. This course is designed to teach piano skills and competencies to students in nonpiano areas of interest. It includes keyboard familiarization, note and rhythmic reading, finger techniques, ensembles and easy literature. This course is open to all students. May be repeated for credit.

MVK 1112
Class Piano II (1)
Prerequisite: MVK 1111
Classification: Parallel
Class instruction. A continuation of MVK 1111, the course includes continued work in finger technique, scales, harmonization of melodies, ensembles, and intermediate literature. The course is open to all students. May be repeated for credit.

MVK 2121
Class Piano III (1)
Prerequisite: MVK 1112
Classification: Parallel
Class instruction. For students in music fields other than keyboard principals. Sight-reading, harmonizing, transposing, improvising, accompanying, intermediate keyboard technique, repertoire and further musicianship will be accomplished.

MVK 2122
Class Piano IV (1)
Prerequisite: MVK 2121
Classification: Parallel
Class instruction. A continuation of MVK 2121. For students in music fields other than keyboard principals. Continued work in technique, scales, transposing, harmonizing, sight-reading, improvisation, accompanying and late intermediate repertoire.

MVS 1816
Class Guitar (1)
Classification: Parallel
Class Instruction. This course is designed to teach beginning guitar students to learn the fundamentals of acoustic guitar musicianship. It includes posture, note and rhythmic reading,
fingerings, chords and beginning literature. This course is open to all students.

**MVV 1111**  
*Class Voice (1)*  
Classification: Parallel  
This is a one-semester class instruction in voice designed to help the nonmusic and music major student in developing fundamental vocal and musicianship skills. Open to all students.

**NUR 1003**  
*Socialization into Nursing for LPN to ADN Bridge (2)*  
Corequisite: NUR 1004C  
Classification: Parallel  
This course builds on the education, knowledge and experience of practical nurses to increase understanding of the components of the nurse’s role. This course includes management components as they pertain to situations involving clients having difficulty meeting human needs. Emphasis will be placed on communication techniques useful in management situations and the nursing roles in the context of nursing practice and legal and ethical aspects of nursing. Application of the role components addressed in the course will be evaluated during Bridge Nursing clinical experiences. (4 hours per week for 8 weeks)

**NUR 1004C**  
*Bridge Nursing (7)*  
Prerequisite: ENC 1101 and BSC 2085C and HUN 1201 and PSY 2012 and BSC 2086C and DEP 2004 and MCB 2010C and either MAC 1105 or STA 2023  
Corequisite: NUR 1003  
Classification: Occupational  
Admission to the LPN to ADN Bridge Program required. Students will complete 5 hours of class per week (6.7 hours Summer C) and 6 hours of clinical lab per week (8 hours Summer C). Bridge Nursing is designed to facilitate the transition of the Licensed Practical Nurse to the role of the Associate Degree Nurse and to build on the PN curriculum. Nursing III and IV build on and expand from this course. In this course students gain beginning knowledge about Associate Degree Nursing and the Neuman Systems Model. The model includes client and environmental systems affected by five variables: physiological, psychological, developmental, sociocultural and spiritual. It addresses health as a continuum. The faculty designed the nursing curriculum with the Neuman Systems Model as the conceptual basis. The other major concepts are basic needs as adapted from Maslow, the nursing process, and core components of the AD nurse’s role. Students learn about holistic health care across the life span and application of the nursing process to clients and families needing primary prevention and those whose normal lines of defense have been invaded to the extent secondary and tertiary prevention. Students learn about pharmacology, pathophysiology, communication and teaching. Through laboratory and clinical experiences, students gain assessment and intervention skills with emphasis on primary prevention for the well child and secondary prevention for the adult client. Students provide care in ambulatory pediatric, community, psychiatric, and acute care facilities.

**NUR 1011**  
*Socialization into Nursing I (1)*  
Prerequisite: HUN 1201 and PSY 2012 and ENC 1101 and BSC 2085C and either MAC 1105 or STA 2023  
Corequisite: NUR 1024C  
Classification: Occupational  
This course introduces students to the core components and competencies of the Associate Degree Nurse. It is the first of three courses in which specific components are explored and expanded as the students’ nursing experience grows. In this course, students are introduced to collaboration; managing care; professional behavior, including ethical and legal aspects; scope of practice; and role of the ADN. This course introduces health care delivery systems, managed care and the five aspects of management in nursing. Applications of the content discussed in this course will be evaluated in the clinical component of Nursing I.

**NUR 1012**  
*Socialization into Nursing II (2)*  
Prerequisite: NUR 1024C and NUR 1011  
Corequisite: NUR 1730C or NUR 1733C  
Classification: Occupational  
This course builds on NUR 1011 Socialization into Nursing I and expands the student’s understanding of the components and competencies of the AD nurse. Emphasis will be places on the components of professional behavior, communication techniques useful in management situations and the nurse’s role in the context of changes in health care delivery systems. Students will address standards if nursing practice and legal and ethical aspects of nursing in greater depth. The student will consider application of the aspects of nursing management, identifying leadership traits and behaviors as they pertain to situations involving clients having difficulty meeting human needs. Students will learn about lifelong learning and career planning. Application of course content will be evaluated in the clinical component of Nursing II and Nursing IIB.

**NUR 1022C**  
*Introduction to Nursing (4)*  
Prerequisite: PSY 2012 and BSC 2085C and BSC 2086C and MCB 2010C and ENC 1101 and either MAC 1105 or STA 2023  
Corequisite: NUR 1011 and HUN 1201 and NUR 1142  
Classification: Occupational  
Prior to entry to the ADN program, students have completed all General Education prerequisite courses described in the ADN Information Session. All of the nursing courses build on and expand from Introduction to Nursing. In this course, students gain beginning knowledge about nursing and the Neuman Systems Model. The faculty designed the nursing curriculum with the Neuman Systems Model as the conceptual basis. The other major concepts are needs as adapted from Maslow and the
Nursing I (3)
Prerequisite: NUR 1022C
Corequisite: NUR 1142 and NUR 1011
Classification: Occupational
In this course, students begin to apply knowledge about nursing and the Neuman Systems Model. Students continue learning related to needs as adapted from Maslow. Students apply the nursing process in community and extended care facilities. Students care for diverse clients across the life span with emphasis on the geriatric client. Clinical application of learning accomplished in Socialization into Nursing I will be evaluated as part of the clinical component of Nursing I.

Introduction to Pharmacology (2)
Prerequisite: MAC 1105 or STA 2023
Classification: Parallel
This course is a required course for students in the Associate Degree Nursing program. It introduces pharmacology concepts that are used in the care of clients of all ages. Students will learn dosage calculation, as well as factors that affect the absorption, metabolism, distribution, and excretion of drugs, actions of drugs, drug uses, adverse effects and interactions. Within a nursing process framework, students will study classifications of drugs affecting all body systems and learn nursing considerations for those groups of drugs and their prototypes.

NUR 1011C
Nursing IIA (5)
Prerequisite: NUR 1024C and NUR 1142 and NUR 1011 and HUN 1201
Classification: Occupational
Nursing II builds on the knowledge and skills acquired in Nursing I. In the course, the student learns about holistic health care across the life span and application of the nursing process to diverse clients needing primary, secondary and tertiary preventions. Faculty designs learning experiences to assist students to identify stressors and commonly occurring responses to stressors affecting clients’ abilities to meet needs for pain management, cellular function, healing after surgery, oxygen, perception, mobility, and psychological safety. Through laboratory and clinical experiences, students continue to develop assessment and intervention skills with emphasis on primary prevention for the well child and secondary prevention for the adult client. Students learn additional nursing skills, and provide care in ambulatory pediatric, community and acute care facilities (average of 11 class and clinical hours per week, but hours per week will vary).

NUR 1730C
Nursing II (9)
Prerequisite: NUR 1024C and HUN 1201 and NUR 1011 and NUR 1142
Corequisite: NUR 1012 and DEP 2004
Classification: Occupational
Nursing II builds on the knowledge and skills acquired in Nursing I. In this course, the student learns about holistic health care across the life span and application of the nursing process to diverse clients needing primary, secondary and tertiary preventions. Faculty designs learning experiences to assist students to identify stressors and commonly occurring responses to stressors affecting clients’ abilities to meet needs for pain management, cellular function, healing after surgery, oxygen, perception, mobility, and psychological safety. Through laboratory and clinical experiences, students continue to develop assessment and intervention skills with emphasis on primary prevention for the well child and secondary prevention for the adult client. Students learn additional nursing skills, and provide care in ambulatory pediatric, community, psychiatric, and acute care facilities. Clinical application of learning accomplished in Socialization into Nursing II, will be evaluated as part of the clinical component of Nursing II (4 hours of class and 15 hours of clinical/lab per week).

NUR 1733C
Nursing IIB (5)
Prerequisite: NUR 1210C
Corequisite: NUR 1012
Classification: Occupational
Nursing IIB builds in the knowledge and skills acquired in Nursing I and IIA. In this course, students learn about holistic health care across the life span and the application of the nursing process to diverse clients needing primary prevention and those whose normal lines of defense have been invaded to the extent that secondary and tertiary preventions are necessary. Faculty design learning experiences to assist students to identify stressors and commonly occurring responses to stressors affecting the clients’ abilities to meet needs for psychological safety, self-esteem and/or love and belonging, oxygen, nutrition and elimination. Through laboratory and clinical experiences, students continue to develop assessment and intervention skills with emphasis on primary prevention for the well child and secondary preventions for the adult client. Students learn additional skills and provide care in ambulatory pediatric, community, psychiatric and acute care facilities. (average of 11 class and clinical hours per week, but hours per week will vary)
NUR 1830  
Socialization into Nursing III (2)  
Prerequisite: NUR 1012 or NUR 1003  
Corequisite: NUR 2732C or NUR 2751C  
Classification: Occupational  
This course builds on NUR 1012 and further expands the student’s understanding of the components and competencies of the ADN, with emphasis on managing care, communication, and professional behavior. Students will consider applications of the five aspects of management and further study of the ethical and legal implications of nursing practice. The nurse’s professional behavior will be considered in the context of nursing history, changes in health care delivery systems, and transition from student to practitioner of nursing. Students will plan for lifelong learning and for entering the job market. Applications of the content of this course will be evaluated in the clinical component of Nursing III and Nursing IV.  

NUR 2713C  
Nursing IVA (8)  
Prerequisite: NUR 2752C  
Classification: Occupational  
Nursing IVA builds on the knowledge and skills acquired in Introduction to Nursing, Nursing I, Nursing IIA, Nursing IIB, Nursing IIIA and Nursing IIB. Students learn to apply the nursing process in providing all levels of prevention to diverse clients across the life span and their support systems and who are experiencing responses affecting their abilities to meet complex needs for fluid and electrolytes, oxygen and/or perception and mobility. Students focus on commonly occurring responses to stressors and the interaction of problems in these need areas. Students provide care in community and acute care facilities for both pediatric and adult clients. Clinical application of learning accomplished in the Socialization into Nursing courses will be evaluated as part of the clinical component of Nursing IVA. In the role transition from student to graduate nurse, students use nursing process to manage care for selected groups of clients. Upon successful completion of this course the student is eligible to apply for licensure as a registered nurse and to take the National Council Licensure Examination for Registered Nurses. (average of 15 class and clinical hours per week, but hours per week will vary; 72 hours in the last few weeks)  

NUR 2732C  
Nursing III (9)  
Prerequisite: NUR 1730C or NUR 1004C and NUR 1012 or NUR 1003  
Corequisite: HUM 1020 and NUR 1830  
Classification: Occupational  
Nursing III builds on the knowledge and skills acquired in Nursing II. In this course students focus on application of the nursing process to provide all levels of prevention to the childbearing family and to diverse clients and their support systems for whom commonly occurring responses to stressors are having an impact on the ability to meet the needs for nutrition, elimination, sexuality, physiological and psychological safety, self-esteem, and/or love and belonging. Through clinical experiences, students learn new nursing skills, including those related to the childbearing family. Students provide nursing care in psychiatric and acute care facilities. (4 hours of class and 15 hours of clinical lab per week)  

NUR 2734C  
Nursing IV (10)  
Prerequisite: NUR 2732C and NUR 1830  
Classification: Occupational  
Nursing IV builds on the knowledge and skills acquired in Nursing I, Nursing II and III. Students learn to apply the nursing process in providing all levels of prevention to diverse clients across the life span and their support systems, and who are experiencing responses affecting their abilities to meet complex needs for fluid and electrolytes, oxygen and/or perception/mobility. Students focus on commonly occurring responses to stressors and the interaction of problems in these need areas. Students provide care in community and acute care facilities for pediatric and adult clients. Clinical application of learning accomplished in the Socialization into Nursing courses will be evaluated as part of the clinical component of Nursing IV. In the transition from student to graduate nurse, students use the nursing process to manage care for selected groups of clients. Upon successful completion of this course the student is eligible to apply for licensure as a registered nurse and to take the National Council Licensure Examination for Registered Nurses. (6 hours of class for 13 weeks and 14 hours of clinical lab per week except 72 hours in the last two weeks)  

NUR 2751C  
Nursing IIIA (5)  
Prerequisite: NUR 1733C  
Corequisite: NUR 1830  
Classification: Occupational  
Nursing IIIA builds on the knowledge and skills acquired in Nursing IIA and B. In this course students focus on use of the nursing process to providing all levels of prevention to the childbearing family and their safety and/or love and belonging needs, and to diverse clients and their support systems for whom commonly occurring responses to stressors are having an impact on the ability to meet the need for safety, self-esteem, and/or love and belonging. Through laboratory and clinical experiences students learn new nursing skills including those related to the childbearing family. Students provide nursing care in psychiatric and acute care facilities. (average of 15 class and clinical hours per week, but hours per week will vary)  

NUR 2752C  
Nursing IIB (5)  
Prerequisite: NUR 2751C  
Classification: Occupational  
Nursing IIB builds on the knowledge and skills acquired in Nursing I, Nursing IIA and B and Nursing IIIA. In this course students focus on the use of the nursing process to providing all levels of prevention to clients and their support systems for whom commonly occurring responses to stressors are having an impact on the ability to meet the needs for physiological safety, nutrition and oxygenation. Through laboratory and clinical experiences students learn new nursing skills and continue to develop assessment and interventions skills with emphasis on primary, secondary and tertiary prevention for the adult client.
Students provide nursing care in community and acute care facilities and are introduced to higher levels of specialized care. Clinical application of learning accomplished in Socialization to Nursing III will be evaluated as part of the clinical component of Nursing IIIIB. (average of 13 class and clinical hours per week, but hours per week will vary)

**OCB 1630**
**Introduction to Marine Ecology (3)**
Classification: Parallel
This course examines marine ecology from an ecosystem perspective. We begin with an overview of oceanographic dynamics that impact the formation and maintenance of marine habitats. We then focus on ecological processes and adaptations of marine organisms, and examine marine communities throughout the world ocean. Topics include oceanographic principles, food webs and trophic relationships, and human impact on the oceans.

**OCE 1001**
**Introductory Oceanography (3)**
Classification: Parallel
This course focuses on the marine environment as a unique feature of the planet Earth. Topics addressed in the course are historical perspectives of oceanography, ocean bottom topography, characteristics of sea water, waves, winds, currents, tides, coastal features and processes, life in the oceans, and man’s impact on the ocean environment. This course may be counted as either a biological or physical science credit.

**ORH 1000C**
**Introduction to Horticulture (3)**
Classification: Occupational
An introduction to the disciplines involved in the broad field of horticulture, plant and animal taxonomy, morphology, anatomy and their fundamental processes as they relate to plant growth, pests, production, maintenance and planting. Plant propagation, pest and disease control, and design are also included. This class is offered online and in the classroom.

**ORH 1020C**
**Household Plants (3)**
Classification: Occupational
Emphasis is placed on propagation and care of the more common household plants. Information is also presented on proper environmental conditions necessary for decorative plants used in the home. Sources for materials and information will be stressed. A unique feature of the course is the study of many poisonous plants found in and around the home. Interior annual and perennial plant identification make up a large portion of curriculum. This class is offered online and in the classroom.

**ORH 1113C**
**Pest and Disease Control (3)**
Classification: Occupational
Covers the identification, nature and eradication of ornamental plant pests and includes the development of a pest management program involving the proper selection and application of pesticides and herbicides. Provides technical treatment of the identification, nature and eradication of ornamental plant diseases and disorders; covers disease control management involving the proper selection and application of disease control practices. This course leads to state certification.

**ORH 1234C**
**Exterior Plant Maintenance (3)**
Classification: Occupational
This course identifies the basic principles and practices of plant maintenance within designed areas. Students will learn how to prune, shape and maintain landscape plants.

**ORH 1260**
**Greenhouse Operations (3)**
Classification: Occupational
This course is designed to orient students to the art of growing plants in the greenhouse. Greenhouse construction, heating and cooling, propagation of greenhouse plants, watering, shading, indoor disease and pest control, growing media preparation, hanging baskets, totems, use of growth regulators and dish gardens will be covered.

**ORH 1260L**
**Greenhouse Operations Laboratory (2)**
Classification: Occupational
Laboratory to accompany ORH 1260.

**ORH 1301C**
**Introduction to Irrigation (3)**
Classification: Occupational
An introduction to the history of irrigation and the analysis of the Florida water management governance system. Students will learn how to plan, install and maintain a landscape irrigation system.

**ORH 1510**
**Ornamental Plant Identification (3)**
Classification: Occupational
A practical course designed to assist those who are not trained botanists but want to know about the landscape plants they see every day. The identification of the more common grasses, flowers, shrubs and trees, along with their cultural requirements and landscape uses, is covered. Recommended for ornamental horticulture majors, nurserymen, nursery salespersons, landscapers and homeowners. This class is offered online and in the classroom.

**ORH 1601C**
**Retail and Wholesale Nursery Operations (3)**
Classification: Occupational
This course covers the history of the nursery industry, management, site selection, organization and development of a nursery. Other topics include a study of its laws and regulations, financial market, crop marketing, inventory control, and culture as related to crop production. This class is offered online and in the classroom.
ORH 1851  
Landscape Design and Maintenance (3)  
Classification: Occupational  
A practical course designed to assist those who are not trained landscape architects but want to know about landscape design and maintenance. The principles of landscape design, including the study of exterior space as it relates to different environments, selection and use of plant materials in the landscape, installation, costing and landscape maintenance are included. Irrigation design and installation make up a large portion of this class.

ORH 1851L  
Landscape Design and Maintenance Laboratory (3)  
Classification: Occupational  
This is the lab for ORH 1851, which includes hands-on designing of landscape and irrigation for residential and commercial applications.

ORH 1872C  
Interior Landscaping (3)  
Classification: Occupational  
Fundamentals of landscaping homes, businesses, commercial areas and malls. The course covers selection of plant materials, installation and maintenance. Environmental conditions, along with insect and disease control, contracts and plant leasing, will be covered.

ORH 2832C  
Advanced Landscape Design (3)  
Classification: Occupational  
This course continues building skills in landscape design, emphasizing advanced elements in both residential and commercial landscape design.

ORH 2840C  
Landscape Construction (4)  
Classification: Occupational  
A comprehensive study of the method and practices used to construct landscape projects. Students will design and construct horticulture facilities, irrigation systems and landscape projects.

OST 1100  
Professional Keyboarding I (3)  
Classification: Dual  
Course provides an introduction to keyboarding with emphasis on touch typing. Students will learn the current version of Word and its various uses to create various business-related documents, including emails, letters, memos, tables, reports and employment documents. This course is required for office administration programs of study.

OST 1100  
Professional Keyboarding II (3)  
Prerequisite: OST 1100  
Classification: Occupational  
A continuation of keyboarding skill building introduced in OST 1100, including application to more advanced styles of business communication. The current version of Microsoft Word will be used to create a variety of documents including multi-page letters and memos, reports, templates, fliers, newsletters, Web pages, and other business-related documents.

OST 1384  
Customer Service (3)  
Classification: Occupational  
This course is an introduction to the basics of customer service technology with emphasis on enhancing customer relation skills. Students will learn how to focus on building rapport with customers and improving their communication negotiation skills. In addition, students will learn how to respond to customer requirements and efficiently handle difficult situations.

OST 2335  
Business Communications (3)  
Prerequisite: ENC 1101  
Classification: Dual  
This course teaches the concepts and skills needed to communicate effectively in business. Emphasis is placed on types and tones of common business correspondence (letters, memos, email, reports) and increasing the clarity of oral business presentations.

OST 2401  
Office Administration I (3)  
Prerequisite: CGS 1100 and OST 1100  
Classification: Occupational  
To meet the demand for trained, competent office employees, this course in office administration provides students with assignments in a variety of activities performed by office employees. Due to the expanding role of employees, the ever-changing economy and the increased use of sophisticated technology, students will be taught to utilize and apply various proven approaches to the systems and procedures for the modern office.

OST 2402  
Office Administration II – Work Simulation (3)  
Prerequisite: OST 2401 and OST 1100 and CGS 1100  
Classification: Occupational  
This course provides the student with the experience of working in a simulated company and performing realistic duties assigned to an administrative assistant. The student will use word processing, spreadsheet, presentation, scheduling, and database functions in a software applications suite (Microsoft Office XP) to prepare integrated documents. The Internet and other research tools will be used.
OST 2717
Advanced Word (3)
Prerequisite: CGS 1100 or OST 1100
Classification: Occupational
Advanced (expert) word processing course. Students will learn to use advanced aspects of formatting documents, including mail merging, sorting, graphics, creating and modifying paragraphs, managing documents, workgroup collaboration, customizing tables, customizing the current version of Word and various other skills necessary for current Microsoft Office certification.

PCB 1431C
Florida Waters Part I (1)
Vocational hours: 18
Classification: Parallel
The student may take any module in a credit or noncredit mode. Each module will give one hour of science credit. Only if the student takes all four modules will he/she receive four credit hours for lecture/laboratory combinations. This series of mini-classes focuses on the surface waters: types, organisms, function, sources, ecosystems and value to the citizens in the state of Florida. Part I is Where’s All the Water? This course may be counted as either a biological or physical science credit. (18 total hours per semester)

PCB 1432C
Florida Waters Part II (1)
Vocational hours: 18
Classification: Parallel
The student may take any module in a credit or noncredit mode. Each module will give one hour of science credit. Only if the student takes all four modules will he/she receive four credit hours for lecture/laboratory combinations. This series of mini-classes focuses on the surface waters: types, organisms, function, sources, ecosystems, and value to the citizens in the state of Florida. Part II is What’s In My Water? This course may be counted as either a biological or physical science credit. (18 total hours per semester)

PCB 1433C
Florida Waters Part III (1)
Vocational hours: 18
Classification: Parallel
The student may take any module in a credit or noncredit mode. Each module will give one hour of science credit. Only if the student takes all four modules will he/she receive four credit hours for lecture/laboratory combinations. This series of mini-classes focuses on the surface waters: types, organisms, function, sources, ecosystems, and value to the citizens in the state of Florida. Part III is Florida’s Beautiful Waterlands. This course may be counted as either a biological or physical science credit. (18 total hours per semester)

PCB 1434C
Florida Waters Part IV (1)
Classification: Parallel
The student may take any module in a credit or noncredit mode. Each module will give one hour of science credit. Only if the student takes all four modules will he/she receive four credit hours for lecture/laboratory combinations. This series of mini-classes focuses on the surface waters: types, organisms, function, sources, ecosystems, and value to the citizens in the state of Florida. Part IV is Water! Water! Water! How Do I Use It? This course may be counted as either a biological or physical science credit. (18 total hours per semester)

PCB 1440C
Florida Landscape Part I (1)
Vocational hours: 18
Classification: Parallel
The student may take any module in a credit or noncredit mode. Each module will give one hour of science credit. Only if the student takes all four modules will he/she receive four credit hours for lecture/laboratory combinations. This series of mini-classes focuses on basic geological concepts: biotic and abiotic factors, energy flow, succession, influences of fire on Florida’s ecosystems, and identification of plants and animals common to the ecosystems of central Florida. Each module is comprised of 12 hours of lecture and 6 hours of laboratory/field experience. Part I is Ecosystems of Florida. This course may be counted as either a biological or physical science credit. (18 total hours per semester)

PCB 1448C
Florida Landscape Part II (1)
Vocational hours: 18
Classification: Parallel
The student may take any module in a credit or noncredit mode. Each module will give one hour of science credit. Only if the student takes all four modules will he/she receive four credit hours for lecture/laboratory combinations. This series of mini-classes focuses on basic geological concepts evident in Florida: soil types and formation, caves, and sinkholes. Special emphasis placed on the hydrologic cycle and the Florida aquifer. Each module is comprised of 12 hours of lecture and 6 hours of laboratory/field experience. Part II is The Geology of Florida. This course may be counted as either a biological or physical science credit. (18 total hours per semester)

PCB 1449C
Florida Landscape Part III (1)
Vocational hours: 18
Classification: Parallel
The student may take any module in a credit or noncredit mode. Each module will give one hour of science credit. Only if the student takes all four modules will he or she receive four hours credit for lecture/laboratory combinations. This series of mini-classes introduces the relationship between weather and climate and how it influences ecosystems. Special emphasis is placed on local and regional weather/climatic conditions. Each module is comprised of 12 hours of activities and 6 hours of laboratory/field experience. Part III is Florida’s Climate and
Weather. This course may be counted as either a biological or physical science credit. (18 total hours per semester)

**PCB 1450C**
**Florida Landscape Part IV (1)**
Vocational hours: 18  
Classification: Parallel  
The student may take any module in a credit or noncredit mode. Each module will give one hour of science credit. Only if the student takes all four modules will he or she receive four hours credit for lecture/laboratory combinations. This series of mini-classes focuses on pests and pesticides, with special emphasis on health issues related to exposure to pesticides. Each module is comprised of 12 hours of activities and 6 hours of laboratory/field experience. Part IV is Pests and Pesticides. This course may be counted as either a biological or physical science credit. (18 total hours per semester)

**PEL 1011**  
**Team Sports I (1)**  
Classification: Parallel  
Skills in team sports. Development of academic, organizational and management skills. Emphasis on present and carryover values for physical, social and academic fitness.

**PEL 1012**  
**Team Sports II (1)**  
Classification: Parallel  
A continuation of PEL 1011. Skills in team sports. Development of academic, organizational and management skills. Emphasis on present and carryover values for physical, social and academic fitness.

**PEL 2013**  
**Team Sports III (1)**  
Classification: Parallel  
Skills in teaching techniques. Emphasis on present and carryover values for physical, social and academic fitness.

**PEL 2014**  
**Team Sports IV (1)**  
Classification: Parallel  
Skills in teaching techniques. Emphasis on present and carryover values for physical, social and academic fitness.

**PEM 1101**  
**Fitness and Resistance Training Theory and Application (3)**  
Classification: Parallel  
This course is designed to develop advanced understanding of fitness and conditioning principles, and provide practice in developing sound training programs. The course includes discussion and application of exercise science fundamentals including aerobic capacity and resistance training through participation in activities demonstrating these principles.

**PEM 1141**  
**Aerobics I (1)**  
Classification: Parallel  
An introduction in aerobics with the emphasis on a variety of exercises that will stimulate heart and lung activity for healthful longevity.

**PEM 1142**  
**Aerobics II (1)**  
Prerequisite: PEM 1141  
Classification: Parallel  
An advanced course in aerobics with emphasis on varied exercises that will stimulate heart and lung activity. Emphasis placed on diagnostic testing, evaluation of progress and a study of concepts involved.

**PEO 1004**  
**Contemporary Coaching Concepts (3)**  
Classification: Parallel  
This course offers instruction in the concepts of contemporary coaching techniques and methods. This includes the organizational, administrative and motivational aspects of coaching.

**PEO 2121**  
**Skills and Practices in Golf (3)**  
Classification: Occupational  
This course is aimed at the improvement of performance skills, techniques and knowledge in golf turf maintenance and teaching of such skills for students who are planning a career in agribusiness with golf specialization.

**PET 2621**  
**Basketball Fundamentals (3)**  
Classification: Parallel  
This is a course that deals with all aspects of the game of basketball. An overall knowledge of offensive and defensive basketball will be covered, as well as off-court related activities.

**PET 1000**  
**Introduction to Physical Education (3)**  
Classification: Parallel  
This is an introductory course designed to present the history, background and development of physical education. This course interprets physical education for the prospective education and recreation major and gives an understanding and overview of the field.

**PET 2622C**  
**Care and Prevention of Athletic Injuries (3)**  
Classification: Parallel  
This is an introductory course that explores the art and science of effectively preventing and managing athletic-related injuries. The course is designed to facilitate the student's understanding for the principles related to appropriate prevention, treatment and rehabilitation in order to maximize the proper care of athletes and athletic injuries. The course includes recognition,
care, use of treatment modalities and techniques for taping and stabilizing injuries. Practical experience will be offered through the Marion County high schools and various clinic sites. (3 lecture hours and 1 laboratory hour per week)

PGY 1401C
Photography I (3)
Classification: Parallel
This is an introductory course that will cover camera parts and operation, properties of film, photographic composition and lighting, and darkroom procedures. History of photography, photojournalism, photography as an art and shooting for publication will be part of the course. Students must supply their own 35mm camera with adjustable lens.

PHH 2403
Survey of Modern Philosophy (3)
Prerequisite: PHI 2010 or PHI 2600 or HUM 2532
Classification: Parallel
Course covers a survey of major philosophers of the Early Modern period (17th and 18th centuries), including Descartes, Hobbes, Locke, Spinoza, Leibniz, Berkeley, Hume and Kant. Offered only upon request.

PHI 1100
Introduction to Logic (3)
Prerequisite: ENC 1101
Classification: Parallel
This is a beginning course in logic placing major emphasis on the practical application of critical and creative principles of reasoning to everyday problems of judgment and decisions. Both formal and informal methods of inference (including deduction, induction and abduction) will be introduced. Gordon Rule applies.

PHI 2010
Introduction to Philosophy (3)
Prerequisite: ENC 1101
Classification: Parallel
This is a beginning course for students having no previous college training in the study of philosophy. Readings from classical and contemporary thinkers used to discuss issues such as: Does God exist? Are we free? What is the nature of reality? What is truth? Is the mind separate from the brain? This course may be offered online or as a hybrid. Gordon Rule applies.

PHI 2600
Introduction to Ethics (3)
Classification: Parallel
This class is an introductory course in ethics, emphasizing the application of classical, medieval and modern ethical theories to contemporary moral issues such as abortion, euthanasia, punishment and the death penalty, sexual ethics, pornography and censorship, equality of the sexes, and population, hunger and the environment.

PHI 2631
Ethics and Business (3)
Prerequisite: ENC 1101
Classification: Parallel
An introductory course in ethics, focusing on moral issues arising in the workplace especially for business students. Discussions of ethical theories will be used to clarify and provide approaches to practical issues faced by employers and employees. This course may be offered online or as a hybrid. Gordon Rule applies.

PHT 1000
Introduction to Physical Therapy (2)
Corequisite: ENC 1101
Classification: Occupational
Introduces the history of the physical therapy profession, the American Physical Therapy Association and the role of the physical therapist assistant as well as other health care providers. Addresses organizational perspectives, communication skills, and practice issues related to both the Guide to Physical Therapy Practice and the Clinical Performance Instrument for the PTA. Key concepts related to the practice of physical therapy are also presented.

PHT 1014
Documentation for the Physical Therapist Assistant (1)
Classification: Occupational
Presents information, theories and guidelines for documenting and writing progress or interim notes in the medical record, incorporating the language of the Guide to Physical Therapist Practice. Focuses on the needs of PTAs, emphasizes the role of the PTA within the PT team, and covers major types of records including incident reports, telephone conversations, reimbursement, legal issues, functional outcomes and goals. Admission to the Physical Therapist Assistant program is required.

PHT 1130C
Data Collection Skills for the PTA (3)
Classification: Occupational
Introduces processes and procedures used to gather information through observation, measurement, and subjective, objective and functional findings. Includes range of motion, muscle strength, skin and sensory integrity, vital signs (including respiratory status), postural alignment, body mechanics and pain assessments. Admission to the Physical Therapist Assistant program is required.

PHT 1175C
Functional Anatomy and Kinesiology (3)
Classification: Occupational
This course covers the relationships between the systems that relate to functional movements of the human body. Covers all functional body movements such as mechanisms, muscle actions, planes and other relationships to body movements. Includes the upper extremities, lower extremities, face and trunk. Admission into the Physical Therapist Assistant program is required.
PHT 1210C
Therapeutic Modalities I (3)
Classification: Occupational
Admission into the Physical Therapist Assistant program for Phase II is required. Introduces patient care techniques including patient preparation and the theories, and practical application of physical therapy modalities. The physiological effects and indications/contraindications of heat, cold, radiant therapy, traction, intermittent compression, and massage are emphasized. Ethical and legal aspects will be included. (2 hours lecture and 4 hours laboratory per week)

PHT 1212C
Therapeutic Modalities II (3)
Prerequisite: PHT 1801L and PHT 1130C and PHT 1175C and PHT 1000 and PHT 1014 and PHT 1210C
Classification: Occupational
Provides a study of the rationale, contraindications, and application techniques of various electrical stimulation equipment.

PHT 1225C
Therapeutic Procedures (3)
Prerequisite: PHT 1000 and PHT 1801L and PHT 1014 and PHT 1210C and PHT 1175C and PHT 1130C
Classification: Occupational
Introduces the rationale and skills for patient therapeutic procedures. Includes traditional exercise routines such as passive, active-assistive, active and resistive ranges of motion, gait training, and other skills necessary for patient treatment.

PHT 1300
Survey of Pathological Deficits (4)
Prerequisite: PHT 1000 and PHT 1210C and PHT 1014 and PHT 1175C and PHT 1130C and PHT 1801L
Classification: Occupational
Introduces the patho-physiology of selected medical, surgical, orthopedic and neurological conditions commonly treated in physical therapy.

PHT 1801L
PTA Clinical Laboratory I (2)
Classification: Occupational
Introduces actual patient care utilizing beginning physical therapy techniques under the supervision of a licensed physical therapist. Designed to parallel classroom skills learned during concurrent and/or previous courses. The college laboratory will be utilized. Admission to the Physical Therapist Assistant program is required.

PHT 1802L
PTA Clinical Laboratory II (2)
Prerequisite: PHT 1014 and PHT 1000 and PHT 1801L and PHT 1175C and PHT 1130C and PHT 1210C
Classification: Occupational
A continuation of patient care utilizing physical therapy assessments and interventions under the supervision of a licensed physical therapist. Emphasis is on interpreting the physical therapy initial evaluation and on selecting appropriate therapeutic exercises/functional activities for assigned patients with guidance. The college laboratory will be utilized. Admission into the Physical Therapist Assistant program is required.

PHT 2162C
Rehabilitation Procedures (4)
Prerequisite: PHT 1212C and PHT 1225C and PHT 1300 and PHT 1802L
Classification: Occupational
Introduces neurological principles, pathology and specialized rehabilitation techniques for adult and pediatric conditions. Admission to the Physical Therapist Assistant program is required.

PHT 2227C
Disabilities and Therapeutic Procedures II (3)
Prerequisite: PHT 1300 and PHT 1225C and PHT 1802L and PHT 1212C
Classification: Occupational
Provides a study of the rationale, contraindications and exercise skills needed to develop appropriate exercise programs for geriatric, orthopedic and surgical conditions.

PHT 2342
Medical Terminology for the Physical Therapist Assistant (2)
Prerequisite: BSC 2085C and BSC 2086C
Classification: Occupational
This course is a supervised self-study of medical terminology and abbreviations that describe the pathology of the body systems used in relationship to the practice of physical therapy. Terms associated with diagnostics, surgery, laboratory tests, pharmacology, medical orders, reports and patient care will be included.

PHT 2810
Clinical Practice II (6)
Prerequisite: PHT 2931 and PHT 2227C and PHT 2162C
Classification: Occupational
Includes treatment of patients under the supervision of a licensed physical therapist in various types of delivery systems. Problem-solving techniques are employed in the evaluation and execution of patient care plans. Various agencies in the tricounty and central Florida area that provide physical therapy services will be utilized. Students are responsible for making their own transportation arrangements for assigned clinical rotations. Admission to the Physical Therapist Assistant program is required. (40 hours clinical per week for 7 weeks)
PHT 2820  
**Clinical Practice III (6)**  
Prerequisite: PHT 2931 and PHT 2162C and PHT 2227C  
Classification: Occupational  
Focuses on advanced clinical experiences in selected agencies under the supervision of a licensed physical therapist. Emphasis is on critical thinking and problem solving in patient care. Various agencies in the tricounty and central Florida area that provide physical therapy services will be utilized. Students are responsible for making their own transportation arrangements for assigned clinical rotations. Admission to the Physical Therapist Assistant program is required. (40 hours clinical per week for 7 weeks)

PHT 2931  
**Trends in Physical Therapy (1)**  
Prerequisite: PHT 1225C and PHT 1212C and PHT 1300 and PHT 1802L  
Classification: Occupational  
Introduces other allied health and physical therapy specialties, issues and current trends. Develops topics of special interest to students or instructors.

PHY 1001  
**Physics in Industry (4)**  
Classification: Parallel  
This course is tailored for students pursuing a non-engineering technical program. It provides an introduction to the several traditional divisions of classical physics. These include mechanics, heat, material properties, molecular and atomic structure, electricity and magnetism, wave motion (including light and sound) and optics. Note: Credit will not be given for both PHY 1001 and PHY 1020.

PHY 1020  
**Elementary Physics for the Nonscience Majors (3)**  
Classification: Parallel  
This course provides a basic introduction to the several traditional divisions of classical physics. These include mechanics, heat, material properties, molecular and atomic structure, electricity and magnetism, wave motion, including light and sound, optics, radioactivity, and the basic postulates of relativity.

PHY 1053C  
**General Physics I with Lab (4)**  
Prerequisite: MAC 1105 or MAC 1140 or MAC 1147  
Classification: Parallel  
This course presents mechanics, heat and mechanical waves. Topics covered include measurements, accelerated motion, Newton’s laws, work and energy, momentum, gas laws, motion in plane, rotational motion, motion of rigid bodies, mechanical properties of matter, temperature, thermal properties of matter, thermodynamics, vibratory motion, wave motion, sound. The laboratory experiences are designed to enhance the lecture part to the course, as well as to cover various laboratory techniques. Some prior knowledge of trigonometry is strongly recommended. (3 hours lecture, 2 hours laboratory, and 1-hour problem-solving session per week)

PHY 1054C  
**General Physics II With Lab (4)**  
Prerequisite: PHY 1053C  
Classification: Parallel  
This course presents electricity, magnetism, light and modern physics. Topics covered include electric charge and electric field, electric potential and capacitance, electric current and resistance, magnetism, electromagnetic induction, alternating-current circuits, geometrical optics, optical instruments, wave optics, relativity, atomic structure, quantum mechanics, atomic nuclei. The laboratory experiences are designed to enhance the lecture part of the course, as well as to cover various laboratory techniques. (3 hours lecture, 2 hours laboratory and 1-hour problem-solving session per week)

PHY 2048C  
**General Physics with Calculus I with Lab (5)**  
Prerequisite: MAC 2311  
Corequisite: MAC 2312  
Classification: Parallel  
This course is a combined lecture/laboratory course designed primarily to meet the requirements for students in engineering and/or the physical science fields. Topics include static and dynamic mechanics, energy and power, relativity, material properties and continuum mechanics, and heat and thermodynamics. (4 hours lecture, 2 hours laboratory and 1-hour problem-solving session per week)

PHY 2049C  
**General Physics with Calculus II with Lab (5)**  
Prerequisite: PHY 2048C and MAC 2312  
Classification: Parallel  
This course is a combined lecture/laboratory course designed primarily to meet the requirements for majors in engineering or the physical sciences, as a continuation of the classical physics topics series initiated in PHY 2048C General Physics I with Calculus. The major topics introduced in the second semester are electricity and magnetism, wave motion (including sound and radiation), geometrical optics and selected topics in atomic and nuclear physics, quantum theory and solid state physics as time permits. Throughout this course, problem-solving is strongly emphasized again in homework assignments and in tests. (4 hours lecture, 2 hours laboratory and 1-hour problem-solving session per week)

PLA 1003  
**Introduction to the Paralegal Field (3)**  
Classification: Occupational  
This course is designed to provide an overview of the training and purpose of legal assistants. The course surveys the structure of the legal system and various fields of law, and discusses the ethical and professional standards that apply to legal assistants and lawyers. The course emphasizes legal procedures and terminology and introduces basic legal research and writing.
PLA 1104
Legal Research and Writing I (3)
Prerequisite: PLA 1003 and OST 1100
Corequisite: PLA 2201
Classification: Occupational
This course provides the student with an in-depth examination of the law library and the processes of legal research. It also provides information on how to write interoffice legal memoranda.

PLA 2114
Legal Research and Writing II (3)
Prerequisite: PLA 2201 and PLA 1003 and PLA 1104
Classification: Occupational
An advanced course in legal writing and research intended to familiarize the practicing and potential legal assistant with the problems and procedures in legal drafting, writing and research. It also provides information on how to prepare memorandums of law.

PLA 2201
Litigation Procedures (3)
Prerequisite: OST 1100 and PLA 1003
Classification: Occupational
This course covers the Florida rules of civil procedures. It also includes preparation for pleadings, motions and discovery documents, as well as for trial and appeals.

PLA 2273
Torts (3)
Prerequisite: PLA 1104 and PLA 1003 and PLA 2201
Classification: Occupational
This course presents the fundamental principle of tort law. It includes negligence, strict liability and other special liability theories (including products liability and non-physical harm). Emphasis is placed on damages and tort defenses.

PLA 2600
Wills, Trusts and Probate Administration (3)
Prerequisite: PLA 1003
Classification: Occupational
This is a study of the legal aspects of the preparation of wills and trusts, as well as the probating of estates. It also covers the procedures involved in accounting, administrations, gifts, life insurances and estate planning.

PLA 2610
Real Estate Law and Property Transactions (3)
Prerequisite: PLA 1003
Classification: Occupational
This course is designed to familiarize the practicing and potential legal assistant with the problems and procedures in real estate law and property transactions, and includes the drafting of various kinds of real estate contracts and agreements.

PLA 2800
Laws of Family Relations (3)
Prerequisite: PLA 1003
Classification: Occupational
This course is designed to familiarize the practicing and potential legal assistant with problems and procedures related to the laws of domestic relations and covers such topics as divorce, separation, adoption, guardianship and support.

PLS 1220
Propagation of Nursery Plants (3)
Classification: Occupational
Basic instruction that prepares individuals to propagate nursery plant materials. Covers sexual and asexual procedures; emphasizes special methods appropriate to region and/or plant groups; covers basic plant nutrition, tissue culture with emphasis on nutritional requirements and development of a fertilization program for nursery plant propagation. Course includes planning for nursery crop production.

PLS 1220L
Propagation of Nursery Plants Laboratory (3)
Classification: Occupational
Practical application of principles and practices of working in and ultimately supervising a nursery operation including, but not limited to, producing, processing and marketing nursery plants used principally for interior and exterior landscapes.

POS 2041
American National Government (3)
Prerequisite: ENC 1101
Classification: Parallel
Particular attention is devoted to the United States Constitution and political culture, political institutions, political behavior and current issues. This course may be offered online or as a hybrid. Gordon Rule applies.

PSY 2012
General Psychology (3)
Prerequisite: ENC 1101
Classification: Parallel
This course introduces the student to the study of behavior as a science, the design of experiments, statistical analysis of data, basic vocabulary, classical experiments, major contributors, and current trends in the discipline. This course may be available online or as a hybrid. Gordon Rule applies.
Course Descriptions

**PSY 2012H**  
**Honors General Psychology (3)**  
Prerequisite: ENC 1101  
Classification: Parallel  
This course is designed for students capable of intensive investigation into the study of behavior, classical experiments, major contributors, and current trends in psychology. Course includes computer simulations, requires research and completion of a Gordon Rule requirement. Admission to the Community of Scholars program, a 3.3 or higher GPA, or permission of instructor is required. Offered upon request only. Gordon Rule applies.

**PSY 2930**  
**Special Topics (3)**  
Prerequisite: PSY 2012  
Classification: Parallel  
This course centers on topics of current interest or of special interest to students or instructors. Topics or focus may vary from semester to semester. Topics will be identified by the PSY 2930 title published in the course schedules for each semester that the course is offered. The course may be repeated for credit with different topics. Special topic credit hours are not automatically transferable. Transfer credit is the prerogative of the receiving institution.

**QMB 1001**  
**College Business Mathematics (3)**  
Classification: Dual  
A study of practical application of mathematics to everyday business transactions and calculations such as percentages, interest income, interest on loans, discounts, markup, commissions, pricing, payrolls, depreciation, inventory turnover, and costing. This course provides a student with a solid foundation for other business courses.

**REA 0007**  
**Developmental Reading I (3)**  
Corequisite: SLS 1501  
Classification: Prep  
This reading course is a requirement for a student scoring 59 or below on the CPT. It focuses on reading comprehension with emphasis on literal comprehension, vocabulary skills, and study skills. The course does not satisfy any degree requirements in communications. No student may enroll in this course more than three times without paying the full cost of instruction.

**REA 0017**  
**Developmental Reading II (3)**  
Corequisite: SLS 1501  
Classification: Prep  
This reading course is a requirement for a student scoring between 60 and 82 on the CPT. Students of REA 0007, the first-level reading course, are also required to take this course with the exception of those whose exit score is equivalent to a CPT score of 83 or higher. This course focuses on expanding reading skills and strategies introduced in the first prep reading course for improvement in comprehension, vocabulary, critical thinking skills, and study skills. The second-level college prep reading course does not satisfy any degree requirement in communications. No student may enroll in this course more than three times without paying the full cost of instruction.

**RED 1010**  
**Introduction to Reading Education (3)**  
Classification: Parallel  
This course is designed to provide a study in reading concepts and strategies suitable for education majors needing course work for teacher re-certification or paraprofessional training. The topics covered will include reading foundations, phonics, vocabulary, comprehension, fluency, classroom organization, and professional collaboration. The topics are in alignment with the Sunshine State Standards, the reading curricula of Marion, Citrus, and Levy counties, and the No Child Left Behind Act.

**REL 2124**  
**Church and State (3)**  
Classification: Parallel  
A comprehensive overview of the formal and legal relations between religious movements and institutions and the branches and agencies of government in the United States. Special attention will be paid to the constitutional period of American history, the intentions of the framers, religious pluralism, constitutional guarantees of religious freedom as well as its limitation as set out in significant Supreme Court decisions, and contemporary church/state issues.

**REL 2210**  
**The Old Testament (3)**  
Classification: Parallel  
This course is an introduction to the Old Testament. It deals with the history, geography, religion and important personalities of ancient Israel and its surrounding peoples. Attention will also be given to the influence of the Bible on Western culture.

**REL 2240**  
**The New Testament (3)**  
Classification: Parallel  
An introduction to the New Testament, which involves a study of the Greco-Roman and Jewish background of early Christianity, the personality and teachings of Jesus, the work and thought of Paul, and the development of the church. Attention will also be given to the influence of the Bible on Western culture.

**REL 2300**  
**Comparative Religions (3)**  
Prerequisite: ENC 1101  
Classification: Parallel  
A beginning course for students having no previous college training in the comparative study of religion. The major features of world religions such as Hinduism, Buddhism, Taoism, Confucianism, Judaism, Christianity and Islam are studied as the means for obtaining an insight into the nature and expression of people's religious aspirations. This course may be offered online or as a hybrid. Gordon Rule applies.
Course Descriptions

REL 2300H
Honors Comparative Religions (3)
Prerequisite: ENC 1101
Classification: Parallel
An introduction to the major religions of the world, designed especially for honors students. Careful readings of primary texts will be emphasized. Admission to the Community of Scholars program, a 3.3 or higher GPA, or permission of instructor is required. Gordon Rule applies.

RTE 1000
Fundamentals of Radiologic Technology (3)
Classification: Occupational
This course is comprised of several units dealing with various topics such as: an overview of radiography and its role in health care delivery, a fundamental background in ethics and ethical behavior in a health care setting, and the biological damage produced by radiation and necessary radiation protection as it relates to patients and personnel. The student will be prepared to assume the role of a practitioner in the health care delivery system and the radiology profession as a whole. Principles, practices and policies of the health care organization(s) will be examined and discussed within the framework of professional practice for the Radiologic Technologist. Legal terminology, concepts and principles will be presented and topics will include misconduct, malpractice, legal and professional standards and the American Society of Radiologic Technologists scope of practice. The importance of proper documentation and informed consent will be emphasized.

RTE 1418C
Radiographic Imaging I (4)
Classification: Occupational
The purpose of this course is to provide the student with an introduction to radiographic, fluoroscopic, mobile and tomographic equipment requirements and design. The content also provides a basic knowledge of quality control, and is designed to provide a basis for analyzing radiographic images, including but not limited to: density, contrast, recorded detail and distortion. Included are the importance of minimum imaging standards, discussion of a problem-solving technique for image evaluation and the factors that can affect image quality.

RTE 1457C
Radiographic Imaging II (4)
Classification: Occupational
The purpose of this course is to provide the student with an understanding of the components, principles and operation of digital imaging systems found in diagnostic radiology. This content will be compared to a knowledge-base in factors that govern the image production process in film-screen imaging. Factors that impact image acquisition, display, archiving and retrieval are discussed. Guidelines for selecting exposure factors and evaluating images within a digital system assist students to bridge between film-based and digital imaging systems. Principles of digital system quality assurance and maintenance are presented. Actual images will be included for analysis including image artifacts.

RTE 1503C
Radiographic Procedures I (4)
Classification: Occupational
The purpose of this course is to provide students with the knowledge and skills necessary to perform standard imaging procedures including proper patient positioning, basic computed tomography (CT) and special studies. To successfully achieve this purpose, comprehensive didactic lessons are taught in conjunction with laboratory practicums in patient positioning. Consideration is given to the evaluation of optimal diagnostic images. This course prepares students for competency-based clinical education in correlation with American Society of Radiologic Technologists guidelines and American Registry of Radiologic Technologists content specifications.

RTE 1513C
Radiographic Procedures II (4)
Prerequisite: RTE 1503C
Classification: Occupational
The purpose of this course is to provide students with the knowledge and skills necessary to perform proper patient positioning, an understanding of anatomical structures, methods of x-ray tube alignment and beam-part-film alignment, technical standards and radiation safety measures. Students will achieve success in applying these combined skills in order to produce diagnostic quality radiographs. To successfully achieve this purpose, comprehensive didactic lessons are taught in conjunction with laboratory practicums in patient positioning and clinical preceptor instruction within the clinical arenas.

RTE 1523C
Radiographic Procedures III (3)
Classification: Occupational
The purpose of this course is to provide students with the knowledge and skills necessary to perform standard imaging procedures including proper patient positioning, basic computed tomography (CT) and special studies. To successfully achieve this purpose, comprehensive didactic lessons are taught in conjunction with laboratory practicums in patient positioning. Consideration is given to the evaluation of optimal diagnostic images. This course prepares students for competency-based clinical education in correlation with American Society of Radiologic Technologists guidelines and American Registry of Radiologic Technologists content specifications.

RTE 1804
Clinical Education I (2)
Classification: Occupational
This course offers students the opportunity to gain experience in the elementary aspects of radiology with clinical orientation to the radiology department/hospital and actual clinical education.
RTE 1814
Clinical Education II (3)
Prerequisite: RTE 1804
Classification: Occupational
Affiliation agreements with a variety of clinical education centers enable radiography students to gain valuable clinical experience in departments of radiology. During this clinical rotation students will observe and perform under direct and indirect supervision the application of those skills learned in the classroom and laboratory.

RTE 1824
Clinical Education III (1)
Prerequisite: RTE 1814
Classification: Occupational
Students will be applying positioning skills as in the previous practicum courses, including image critique of the studies submitted for interpretation. Students attend one of the program’s clinical affiliates for a designated period of time and work under the supervision of a radiographer.

RTE 2061
Radiography Seminar (3)
Classification: Occupational
The purpose of this course is to provide the student a systematic opportunity to review the entire curriculum in a structured and organized fashion. This will further assure the faculty and the student that each student is prepared to write the registry with success.

RTE 2385C
Radiation Biology (3)
Classification: Occupational
The purpose of this course is to provide the student with principles of radiation protection, and of cell radiation interaction. The student will demonstrate an awareness of his/her responsibility as a radiographer for radiation protection to patients, personnel and the public. Effective dose limits and regulatory involvement will be discussed along with radiation effects on cells and factors affecting cell response. The student will be made aware of the acute and chronic effects of radiation. Radiation Physics is recommended prior to this course. The course is a hybrid course that combines face to face instruction with Mosby’s Radiography Online.

RTE 2613
Radiation Physics I (4)
Classification: Occupational
This course will introduce the student to the fundamental principles of radiologic physics including atomic and subatomic theory. The interactions of electrons and photons with matter will be applied to radiology. Through classroom exercises, lectures and a four-unit audio-visual presentation, the student will develop a working knowledge of radiation physics.

RTE 2623
Radiation Physics II (3)
Classification: Occupational
Radiation Physics II will cover advanced imaging modalities including fluoroscopy, interventional radiology, multi-slice CT and digital imaging to include computer science, computed radiography, digital radiography and fluoroscopy, the digital image; viewing the digital image, digital display quality control and digital artifacts. Conventional tomography will be discussed very briefly.

RTE 2782
Radiographic Pathology (4)
Prerequisite: RTE 2623 and RTE 2613
Classification: Occupational
The course content is designed to provide the student with an introduction to the causation and concept of diseases with particular emphasis on the pathology commonly presented in diagnostic radiography. The brief review of anatomy and physiology, as well as medical terminology, will be presented in the study of body systems. Etiology, pathophysiological responses, clinical manifestation and radiographic appearance will be discussed. In the degenerative and additive pathologies studied, the effects on the image and technical considerations will be discussed.

RTE 2834
Advanced Clinical Education IV (3)
Prerequisite: RTE 1824
Classification: Occupational
This course is a continuation of Clinical Education III. The student is expected to continue to refine skills related to objectives listed in clinical practicums I, II and III. The student will gain experience and develop clinical competence in general radiographic procedures such as the cranium and specialized contrast studies. Advanced patient care skills, imaging and exposure techniques, radiation protection application and film processing will also be included. It covers clinical experience in all phases of fundamental radiologic procedures and image critique. Students will rotate through ancillary departments in this course.

RTE 2844
Advanced Clinical Education V (4)
Prerequisite: RTE 2834
Classification: Occupational
A continuation of Clinical Education IV, with emphasis placed on advanced radiographic procedures. The student is encouraged to spend time in areas such as mammography, ultrasound, nuclear medicine and vascular imaging.

RTE 2854
Advanced Clinical Education VI (4)
Prerequisite: RTE 2844
Classification: Occupational
In this clinical experience, students are assigned advanced procedures. Students are encouraged to perfect their procedures and to gain speed in performance.
RTE 2864
Advanced Clinical Education VII (1)
Prerequisite: RTE 2854
Classification: Occupational
This course is a continuation of RTE 2854, and the final component of the clinical sequence. Computed radiography procedures are introduced. Students further refine their knowledge of the basic procedures for head, thorax and abdomen in clinical rotations.

SBM 2000
Small Business Management (3)
Classification: Occupational
A study of the management concepts underlying the operation of a small business including planning, locating, operating, evaluating and controlling the enterprise. Fundamentals of financing, budgeting, marketing, promotion and profit analysis are examined.

SLS 1301
Career Development (1)
Classification: Parallel
This course is for students who are undecided or need clarification in choosing a major course of study at a university and/or a career path. It includes the study of foundations of career development including choice, educational and life planning, personal and environmental assessment. Emphasis is given to personal experiences of students and to skills needed for effective academic, life and career planning.

SLS 1501
College and Career Success (3)
Classification: Parallel
This course is designed to build and reinforce skills necessary for college and career success. Topics include learning styles, time management, learning skills (reading, note-taking, critical thinking and writing), people skills (understanding diversity and relationships), and career/education planning.

SLS 1502
Essential Study Skills (3)
Classification: Parallel
This interactive course will utilize student-centered learning activities and is designed to aid students in developing and utilizing a strong foundation in academic success skills for lifelong learning. Topics will include discovering and using learning styles, 12 principles of memory, time management, self-management, strengthening reading skills, using college textbooks, developing strong note-taking skills, developing visual notes and study tools, developing objective and essay test taking skills, developing study skills for math and science, and creative and critical thinking skills. (This course is open to CF students who do not have two or more college preparatory course needs.) This course may be offered online or as a hybrid.

SLS 1503
Survey of Academic Study Skills (1)
Classification: Parallel
SLS 1503 is an abbreviated version of SLS 1502 for those students who wish to strengthen their academic study skills for lifelong learning and college success. This interactive survey course will utilize student-centered learning activities to assist students in building a strong foundation in academic success skills. Topics will include discovering and using learning styles, developing basic memory skills, time management, self-management, developing listening and note-taking skills, developing test-taking skills for objective and essay exams, and strengthening reading skills. This course will be offered twice during the semester in an eight-week format. (This course is for students who do not have two or more college preparatory needs.)

SLS 2261
Leadership Development (3)
Prerequisite: ENC 1101
Classification: Parallel
This course is for individuals who wish to develop their leadership skills. It is designed to aid students in increasing their understanding of themselves and the theories and techniques of leadership and group processes. Topics include using logic and creativity in decision-making, resolving conflict, time management and leadership ethics. Gordon Rule applies.

SOW 1031
Introduction to Social Work (3)
Classification: Dual
An introduction to the field of social work for those interested in careers in the social welfare or related human service fields. Topics include the history of social welfare, values and ethics, the profession of social work, and current issues in social work.

SPC 2300
Interpersonal Communication (3)
Classification: Parallel
A survey of the field of interpersonal communication that includes a review of the theory, research and skills students can use to improve the quality of their relationships. Includes units on the communication process, conversation, self-concept, perception, language, nonverbal communication, intercultural communication, listening, expressing emotions and thoughts, relationship maintenance, communication climate and conflict management.

SPC 2594
Intercollegiate Forensic Speech (1)
Classification: Parallel
With admission by permission of instructor, SPC 2594 is a speech course designed for intercollegiate competition stressing understanding and using effective platform interpretive speaking techniques, including debate and oral interpretation. Students will compete in tournaments against other colleges. Class activities are comprised of weekly laboratory sessions during which students prepare for competition. Course may be repeated for credit up to three times.
SPC 2601
Intermediate Effective Speaking (3)
Classification: Parallel
This course continues the study and application of communication strategies in speaking extemporaneously. The student will develop informative and persuasive expertise, learn modes and techniques of delivery, use guidelines for special occasions and motivational appeals, and practice answering questions from the audience. Permission of instructor is required.

SPC 2608
Effective Speaking (3)
Classification: Parallel
The nature and basic principles of speech, with emphasis on improving speaking and listening skills common to all forms of communication through a variety of experiences in public speaking. The course will include such activities as group discussion, videotaping and student speeches to inform, to introduce, to persuade and to commemorate special occasions.

SPC 2608H
Honors Effective Speaking (3)
Classification: Parallel
This course is designed for students capable of intensive study into the historical aspects of speech communication, preparation of speeches addressing principles of argumentation and debate, and preparation and delivery of speeches that investigate the principles of reasoning and motivating, as well as the analytical skills needed to construct arguments and refutation. Acceptance into the Community of Scholars Honors program or permission of instructor is required.

SPN 1120
Elementary Spanish I (4)
Classification: Parallel
This course stresses fundamentals of grammar and drills in pronunciation and reading, with special emphasis on oral expression in the Spanish. The student is required to attend a minimum of two hours of laboratory per week in addition to classroom work. (3 hours lecture and 2 hours laboratory per week)

SPN 1121
Elementary Spanish II (4)
Prerequisite: SPN 1120
Classification: Parallel
A continuation of SPN 1120. The course continues to stress fundamentals of grammar and drills in pronunciation and reading, with special emphasis on oral expression in Spanish. The student is required to attend a minimum of two hours of laboratory per week in addition to classroom work. (3 hours lecture and 2 hours laboratory per week)

SPN 2220
Intermediate Spanish I (4)
Prerequisite: SPN 1121
Classification: Parallel
This course is designed to develop ability to read with comprehension from materials dealing with the Spanish and Spanish-American civilization. Oral practice continues in the discussion of materials. The student is required to attend a minimum of two hours of laboratory per week in addition to classroom work. Offered on a limited basis. (3 hours lecture and 2 hours laboratory per week)

SPN 2221
Intermediate Spanish II (4)
Prerequisite: SPN 2220
Classification: Parallel
This course continues to develop ability to read with comprehension from materials dealing with the Spanish and Spanish-American civilization. Oral practice continues in the discussion of materials. The student is required to attend a minimum of two hours of laboratory per week in addition to classroom work. Offered on a limited basis. (3 hours lecture and 2 hours laboratory per week)

STA 2023
Elementary Statistics (3)
Prerequisite: MAT 1033 or a CLM score of at least 40
Classification: Parallel
A study of descriptive statistics, probability theory, random variables, hypothesis tests, confidence intervals, beta errors, and comparison of two sample means. This course is designed to fulfill the statistical needs of students entering the disciplines of business, social sciences and biological/physical sciences. Gordon Rule applies.

STA 2023H
Honors Elementary Statistics (3)
Prerequisite: MAT 1033 or a CLM score of at least 40
Classification: Parallel
This is a beginning course in statistics, designed primarily for students admitted to the CF Community of Scholars honors program. Honors classes that do not have the requisite number of honors students may admit other students on a conditional basis, at the discretion of the instructor. This course will consist of a study of descriptive statistics, linear regression, probability theory, random variables, hypothesis tests, confidence intervals and comparison of two sample means. Admission to the Community of Scholars program, a 3.3 GPA or permission of instructor is required. Gordon Rule applies.
**SYG 2000**  
*Introductory Sociology (3)*  
Prerequisite: ENC 1101  
Classification: Parallel  
A course to help students better understand the evolution, structures and functions of our current society, as well as predicted trends in various social institutions, such as family, education and religion. This course helps students make connections between the larger society and their own life experiences. This course may be available online or as a hybrid. Gordon Rule applies.

**SYG 2340**  
*Human Sexuality and Society (3)*  
Classification: Parallel  
A study of the physiological, psychological and cultural factors that affect the sexual behavior of human beings. Topics include historical and cross-cultural perspectives, research methodology, sexuality as communication and an expression of love, sexuality and the mass media, gender roles, sexual development, sexual arousal and response, sexual orientation, birth control, pregnancy, childbirth, sexual dysfunctions, sexual violence, sexual harassment and sexually transmitted infections. This course may be available online and hybrid.

**SYG 2430**  
*Marriage and the Family (3)*  
Classification: Parallel  
An exploration of the diversity and complexity of intimate relationships, especially in marriage and the family where topics include dating, courtship, sexual values and behavior, communication and conflict resolution, parenting, alternative family forms and families in transition. This course may be available online or as a hybrid.

**TAX 2000**  
*Federal Income Tax I (3)*  
Classification: Occupational  
This course is designed to familiarize the student with the various rules governing and procedures used in the preparation of individual federal income tax returns.

**TAX 2010**  
*Federal Income Tax II (3)*  
Classification: Occupational  
This course examines installment and deferred payment sales, dividends, inventories, deductions for expenses, depreciation and investment credits, depletion, bad debt reduction, and income averaging. Particular emphasis is given to these and related topics in preparation of corporation income tax returns.

**THE 1000**  
*Introduction to the Theatre (3)*  
Prerequisite: ENC 1101  
Classification: Parallel  
Offers the student an appreciation of the theatre as a group art form through study of its historical development, literature and theory, with attention placed on dramatic structure, techniques and various forms and modes of dramatic composition. Gordon Rule applies.

**THE 1925**  
*Play Production (3)*  
Classification: Parallel  
Practical, hands-on study of theatre from the perspective of the technician, the actor and the director. Students will perform in a one-act play. Course requires limited work outside of class.

**THE 2925**  
*Production and Performance (1)*  
Classification: Parallel  
Participation in the production program of the curriculum with work in technical or performance aspects of major theatre productions and one-act plays. This course may be repeated for credit. Assignments and grades are based on contract with instructor.

**TPA 1200C**  
*Basic Stagecraft (3)*  
Corequisite: TPA 1290  
Classification: Parallel  
This course will explore the fundamentals of production stagecraft and shop management which are the foundation for theatrical electricians, properties artists and set production personnel. Through a survey of typical production issues students will be introduced to construction, installation, maintenance and management of scenic and lighting elements in theatrical production. Students will complete workshop assignments using standard carpentry techniques and tools and with theatrical lighting equipment.

**TPA 1290**  
*Technical Theatre Lab (1)*  
Classification: Parallel  
This course is designed to compliment technical theatre elective courses by giving students the opportunity for hands-on interaction in a structured lab setting. Students will be assigned duties appropriate for their skills that will synthesize the classroom experience. Development of practical skills are needed for working in the theatre. Course participants will work on the production aspects of the main theatre performance for that semester.
TPA 2070
Scene Painting (3)
Corequisite: TPA 1290
Classification: Parallel
This course includes the study and application of stage scenery painting technique involving equipment, preparation, mixing and layout. This course includes lab work on actual stage productions. Permission of instructor required.

TPA 2212
Sound Production for the Theatre (3)
Corequisite: TPA 1290
Classification: Parallel
This course includes the practical use of sound on the stage, including the properties of microphones, speakers, amplifiers and control systems. It also incorporates hands-on experience in sound for stage productions. The course includes a lab. Permission of instructor is required. Offered as needed.

TPA 2220
Stage Lighting (3)
Corequisite: TPA 1290
Classification: Parallel
The practical use of lighting on stage, including the properties of light and color, instruments and control systems, plus hands-on experience in lighting and designing stage productions. This course includes lab work on actual stage productions. Permission of instructor is required.

TPA 2232
Beginning Costume and Makeup (3)
Corequisite: TPA 1290
Classification: Parallel
This course is an introduction to costuming for the theatre. Subjects to be covered include safety and health issues for the costumer; job descriptions and positions in the costuming field; fabric identification; overview of patterning options; basic hand and machine-sewing techniques; measurements, fitting and alterations; costume research; preproduction and production period and budget; stage makeup (basic, old age and specialty); and portfolio development. Students will be involved in building the fall and spring show and will be expected to work outside of class when necessary.

TPP 2100
Acting I (3)
Classification: Parallel
This course includes movement, voice and acting, with primary emphasis on the performance of monologues, scenes and class exercises. Students will also read and analyze plays and study various theories of acting.

TPP 2111
Acting II (3)
Prerequisite: TPP 2100
Classification: Parallel
This course is a continuation of TPP 2100 Acting I, with emphasis on in-depth textual analysis, advanced techniques of character development, and competent breakdown of scene structure, to be developed through monologues and scene study.

WOH 2012
World Civilizations I (3)
Classification: Parallel
A survey of the past, emphasizing the intellectual, cultural, military, political and economic history of Mesopotamia, Egypt, Greece, Rome, Medieval Christendom, Islam, Africa and the Far East. This course may be available online or as a hybrid.

WOH 2012H
Honors World Civilizations I (3)
Prerequisite: ENC 1101
Classification: Parallel
An interpretive introduction to the events, ideas, movements and literature of the ancient and medieval world, this course will be conducted in seminar form, and students are expected to read and write extensively. Admission to this course is selective. Admission to the Community of Scholars program, a 3.3 or higher GPA, or permission of instructor is required.

WOH 2022
World Civilizations II (3)
Classification: Parallel
A survey of the major civilizations of the modern world. Topics include the Renaissance, the Protestant Reformation, the Age of Reason, the French Revolution, the Industrial Revolution, liberalism and socialism, European nationalism, imperialism, World War I, the Russian Revolution, fascism, national socialism, totalitarianism, World War II, nationalism in Africa and Asia, the Cold War and the post-Cold War world. This course may be available online or as a hybrid.

WOH 2022H
Honors World Civilizations II (3)
Prerequisite: ENC 1101
Classification: Parallel
An interpretive introduction to the events, ideas, movements and literature of modern world history, this course is conducted in seminar form, and students are expected to read and write extensively. Admission to this course is selective. Admission to the Community of Scholars program, a 3.3 or higher GPA, or permission of instructor is required.
WST 2010
Introduction to Women's Studies (3)
Prerequisite: ENC 1101
Classification: Parallel
An interdisciplinary study of the experiences and perceptions of women in Western culture. Readings from literature, philosophy, history, psychology and other academic disciplines will be used to examine topics such as women and politics, women in the work force, women and sexuality, and women in the arts. Gordon Rule applies.

Vocational Courses

ACR 0000
Introduction to Air Conditioning and Heating Theory (4)
Vocational hours: 120
Classification: PSAV
An orientation to air conditioning, refrigeration and heating techniques emphasizing general safety, tool utilization, work organization and systems. An introduction to air conditioning and refrigeration — the history, the refrigeration cycle, tools of the trade and principles of work management. Covers the fundamental theory of all types of conventional soldering and brazing, including the proper selection of soldering and brazing materials. (4 vocational credits/120 clock hours)

ACR 0001
Air Conditioning and Heating Fundamentals (4)
Vocational hours: 120
Classification: PSAV
A course designed to teach the physical principles of refrigeration, including the understanding of matter and heat behavior, temperature, pressure, volume, enthalpy, state and condition of refrigerant, refrigerant oil, contaminants and dehydration. Also communicates a working knowledge of heating, air conditioning and refrigeration systems, their components and accessories. (4 vocational credits/120 clock hours)

ACR 0100C
Basic Electrical Theory for Air Conditioning and Heating (4)
Vocational hours: 120
Classification: PSAV
A course designed to teach the physical principles of electricity and practices in air conditioning, heating and refrigeration systems, the laws of energy, energy equivalents, electrical components and circuits. (4 vocational credits/120 clock hours)

ACR 0106
Applied Electricity and Troubleshooting (4)
Vocational hours: 120
Classification: PSAV
A course designed to teach the advanced principles of electricity and practices in air conditioning, heating and refrigeration systems. Focuses on troubleshooting air conditioning, heating and refrigeration electrical control systems and their components along with wiring and troubleshooting electrical motors and their components. (4 vocational credits/120 clock hours)

ACR 0202
Electrical Components and Operations (3)
Vocational hours: 90
Classification: PSAV
This course presents the operation of air conditioning, heating and refrigeration testing equipment and instruments as pertaining to the testing and servicing of systems. Focuses on troubleshooting valves, regulators and metering devices used in the air conditioning, heating and refrigeration systems. (3 vocational credits/90 clock hours)

ACR 0600
Advanced Air Conditioning and Heating Operations (3)
Vocational hours: 90
Classification: PSAV
A course designed to provide training in installation, maintaining, troubleshooting, servicing and repairing the latest designed air conditioning, heating and refrigeration systems. Focuses on understanding and determining the properties of air and the measurement and testing of the same. The use of a pressure/enthalpy chart to diagram a refrigeration cycle is also presented. (3 vocational credits/90 clock hours)

ACR 0930L
Air Conditioning and Heating Skills Development Lab (3)
Vocational hours: 90
Classification: PSAV
This course is designed for students to acquire practical, hands-on experience in a laboratory setting, and may be repeated as needed. (3 vocational credits/90 clock hours)

AER 0190C
Engine Repair (3)
Vocational hours: 90
Classification: PSAV
This course is designed to teach the principles necessary to rebuild an automotive engine. It provides training in cylinder head repair, lower block repair, and front engine repair. It also provides diagnosis and repair of other engine subsystems. (3 vocational credits/90 clock hours)

AER 0299
Automatic Transmissions/ Transaxles (3)
Vocational hours: 90
Classification: PSAV
This course is designed to teach the principles and operation of automatic transmissions/transaxles. It provides practical experience in diagnosing, removing, maintaining and repairing transmissions/ transaxles as they relate to both front and rear wheel drive vehicles. (3 vocational credits/90 clock hours)
AER 0399
**Manual Transmission/Drive Lines (3)**
Vocational hours: 90
Classification: PSAV

This course is designed to teach the principles, operation, maintenance and repair of the automotive drive line including clutches, transmissions/transaxles, front and rear drive systems, and differential units. (3 vocational credits/90 clock hours)

AER 0499
**Steering, Suspension and Alignment (3)**
Vocational hours: 90
Classification: PSAV

This course is designed to teach the principles of steering systems, suspension systems and wheel alignment. It provides practical experience in the diagnosis, repair and replacement of steering and suspension components. The course also includes tire repair, balancing, safety restraint systems and the electrical circuitry associated with each system. (3 vocational credits/90 clock hours)

AER 0593C
**Brake Systems (3)**
Vocational hours: 90
Classification: PSAV

This course covers the theory of operation, diagnosis, repair and replacement of the brake system and its components. It also covers the physics of hydraulics, drum brakes, disc brakes, parking brakes, power assist units, lines and hydraulic components, electrical brake components and circuitry, and anti-lock systems. (3 vocational credits/90 clock hours)

AER 0591C
**Automotive Electrical/Electronic Systems (3)**
Vocational hours: 90
Classification: PSAV

This course covers electron theory, components, symbols, basic electrical circuits, Ohm's Law, series, parallel and complex circuits. It provides experience in the testing and diagnosis of batteries, lighting systems, warning devices, horns, wipers, switches, relays, solenoid, motors and other accessory components and wiring circuits. (3 vocational credits/90 clock hours)

AER 0692C
**Advanced Automotive Electrical/ Electronic Systems (3)**
Vocational hours: 90
Classification: PSAV

This course covers the operational theory, diagnosis, repair and replacement of the automotive battery, cranking motor and related starting components, the alternator and related charging system components. It also covers the ignition systems and related components from the points/condenser system to the direct induction systems of today. (3 vocational credits/90 clock hours)

AER 0797C
**Air Conditioning and Heating Systems (3)**
Vocational hours: 90
Classification: PSAV

This course teaches the operational principles, diagnosis, repair and replacement of both air conditioning and heating systems. It covers the environmental impact that refrigerants have on the atmosphere. It also covers the proper refrigerant recovery techniques needed to meet Environmental Protection Agency regulations. The student will also study the essentials of converting the R-12 system to a retrofitted R134A air conditioning system. (3 vocational credits/90 clock hours)

AER 0891C
**Engine Performance I (3)**
Vocational hours: 90
Classification: PSAV

This course covers the integrated systems that make the engine a performance power plant. It covers basic engine testing in regard to compression, fuel and spark delivery. The importance of a well-balanced emission system is stressed. It also covers the basic testing techniques for the ignition, fuel, electrical and emission system components of the engine. (3 vocational credits/90 clock hours)

AER 0892C
**Engine Performance II (3)**
Vocational hours: 90
Classification: PSAV

This course teaches the student the proper techniques of testing sensors, controllers and other related components of the computerized fuel injected systems of today. This course concentrates on the use of diagnostic test equipment such as the DDM, scanners, ignition analyzers, lab scopes and emission testers. (3 vocational credits/90 clock hours)

AER 0930
**Automotive Technology Skills Development Lab (3)**
Vocational hours: 90
Classification: PSAV

This course is designed for students to continue to further develop their practical skills. It may be repeated each semester to allow students to continue their skill development in any one of eight, or a combination of eight areas. (2 vocational credits/60 clock hours)

AER 0932
**Automotive Skills Development Lab (2)**
Vocational hours: 60
Classification: PSAV

This course is designed for students to continue to further develop their practical skills. It may be repeated each semester to allow students to continue their skill development in any one of eight automotive areas. (2 vocational credits/60 clock hours)
ARR 0001
Introduction to Automotive Collision Repair (3)
Vocational hours: 90
Classification: PSAV
Course covers auto body construction, basic hand and power tools, damage assessment, shop safety and procedures, metal straightening, shrinking sheet metal, filling dents. Also includes principles of metal repair using hammers, dolly blocks, and picks; principles of oxyacetylene welding equipment; setup and use of equipment and welding safety procedures. (3 vocational credits/90 clock hours)

ARR 0121
Automotive Body Refinishing (6)
Vocational hours: 180
Classification: PSAV
Course covers surface preparation for painting, metal straightening, filling dents, sanding, masking, preparing paint, matching colors, spray painting equipment, advanced techniques of sanding, seating and applying paint.

ARR 0122
Automotive Body Refinishing II (6)
Vocational hours: 180
Classification: PSAV
Course covers advanced spot repair methods, base coat/clear and tri-coat refinishing, custom finishing and advanced color match techniques.

ARR 0125L
Repair and Refinishing Skill Development Lab I (3)
Vocational hours: 90
Classification: PSAV
Covers overall refinishing preparation, color-coat/clear-coat refinishing, acrylic-enamel and polyurethane preparation and application, auto detailing, troubleshooting the paint finish, color matching, paint formulation, fillers and their application. Course allows students to acquire practical, hands-on experience in a laboratory setting, and may be repeated as needed.

ARR 0126L
Repair and Refinishing Skill Development Lab II (5)
Vocational hours: 150
Classification: PSAV
Covers overall refinishing preparation, color-coat/clear-coat refinishing, acrylic-enamel and polyurethane preparation and application, auto detailing, troubleshooting the paint finish, color matching, paint formulation, fillers and their application. Course allows students to acquire practical, hands-on experience in a laboratory setting, and may be repeated as needed.

ARR 0292
Automotive Body Repair II (6)
Vocational hours: 180
Classification: PSAV
Course includes damage assessment, straightening panels, replacing fenders and panels, cutting and welding, auto body maintenance, and shop safety procedures.

ARR 0293
Automotive Repair III (6)
Vocational hours: 180
Classification: PSAV
A course designed to teach replacement and repair of body panels, auto glass, hoods and deck lids, doors, door hardware, interior strip and weather strip, seats and windows, moveable roof panels, and convertible and vinyl tops.

ARR 0330
Unibody and Frame Straightening (6)
Vocational hours: 180
Classification: PSAV
Course designed to teach repairing and straightening damaged vehicles frames, front suspension alignment, and associated tasks.

BSC 0070
Anatomy and Physiology for Health Occupations (3)
Vocational hours: 45
Classification: PSAV
Anatomy and Physiology for Health Occupations is a non-lab course which essentially covers the basic elements of human anatomy and physiology. Students will learn to name, locate and describe all organs, and describe the functions of body systems and their organs.

CJD 0781
Crossover to Law Enforcement (1)
Vocational hours: 30
Classification: PSAV
In this course, students will receive instruction in topics they did not have in the Corrections Academy. Topics include civil and criminal liability, arrest laws, probable cause, search and seizure, etc. Objectives are addressed as specified by the Criminal Justice Standards and Training Commission.

CJK 0007
Introduction to Law Enforcement (1)
Vocational hours: 11
Classification: PSAV
This is a basic course which provides an introductory overview of the criminal justice system, ethics and criminal justice values. Objectives are addressed as specified by the Criminal Justice Standards and Training Commission.
CJK 0008
Legal (2)
Vocational hours: 69
Classification: PSAV
This is a basic course in which the U.S. Constitutional Law and its application to public and officers are examined. Law, including evidence procedures, arrest law, search and seizure, and various statutory laws that are common to police, is studied. Various civil law applications are covered. Objectives are addressed as specified by the Criminal Justice Standards and Training Commission.

CJK 0011
Human Issues (1)
Vocational hours: 40
Classification: PSAV
This is a basic course in which the student will be provided with information about mental retardation and mental illness and how to deal with these illnesses. The student will also be provided information concerning alcohol and substance abuse, persons with physical disabilities, dealing with the elderly population, dealing with juveniles, and crisis intervention techniques. Objectives are addressed as specified by the Criminal Justice Standards and Training Commission.

CJK 0017
Communications (3)
Vocational hours: 79
Classification: PSAV
This is a basic course in which the student will be introduced to report writing, interviewing, taking statements, and the use of telecommunications. Objectives are addressed as specified by the Criminal Justice Standards and Training Commission.

CJK 0020
Vehicle Operations (1)
Vocational hours: 48
Classification: PSAV
This is a basic course in which the components of the police driving environment are explored, and practical exercises on the driving range are conducted. Objectives are addressed as specified by the Criminal Justice Standards and Training Commission.

CJK 0031C
First Aid for Criminal Justice Officers (1)
Vocational hours: 40
Classification: PSAV
This course prepares the student to apply basic first aid knowledge and techniques to emergencies.

CJK 0040
Firearms (3)
Vocational hours: 80
Classification: PSAV
This course will introduce the student in the use of firearms including handguns and shotguns. Safety procedures and ammunition use are covered in lecture format. Instruction includes the practical exercises. Objectives are addressed as specified by the Criminal Justice Standards and Training Commission.

CJK 0051
Defensive Tactics (3)
Vocational hours: 80
Classification: PSAV
This is a basic course which includes the techniques used for an officer’s personal safety and those necessary to subdue and then transport resisting individuals. The use of restraining devices, impact weapons, and pressure points are covered. In addition the student will receive instruction in the use of chemical agents, with practical exercises included. Objectives are addressed as specified by the Criminal Justice Standards and Training Commission.

CJK 0061
Patrol I (2)
Vocational hours: 58
Classification: PSAV
This is a basic course which addresses the daily skills and techniques that are necessary for officers to do patrol tactics and respond to various types of calls. Objectives are addressed as specified by the Criminal Justice Standards and Training Commission.

CJK 0062
Patrol II (1)
Vocational hours: 40
Classification: PSAV
This is a basic course which is a continuation of Patrol I which includes techniques that are necessary for officers to respond to various types of calls, to include criminal street gangs, extremist groups, hazmat, and bombs and weapons of mass destruction. Objectives are addressed as specified by the Criminal Justice Standards and Training Commission.

CJK 0071
Criminal Investigations (2)
Vocational hours: 56
Classification: PSAV
This is a basic course which includes methods and skills for conducting an initial investigation of crimes against persons and property; interviewing witnesses, victims and suspects and preparing investigation reports; identifying the causes and effects of domestic violence, referral procedures; court procedures including testifying in court. The objectives are addressed as specified by the Criminal Justice Standards and Training Commission.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Vocational hours</th>
<th>Classification</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CJK 0076</td>
<td>Crime Scene Investigations (1)</td>
<td>24</td>
<td>PSAV</td>
<td>This is a basic course which includes methods and skills for conducting a crime scene investigation, scene protection, evidence collection and handling. Objectives are addressed as specified by the Criminal Justice Standards and Training Commission.</td>
</tr>
<tr>
<td>CJK 0082</td>
<td>Traffic Stops (1)</td>
<td>24</td>
<td>PSAV</td>
<td>This is a basic course which includes methods and skills for stopping a vehicle for violation or lawful reason, procedures for making a felony stop, and legal issues regarding traffic laws. The objectives are addressed as specified by the Criminal Justice Standards and Training Commission.</td>
</tr>
<tr>
<td>CJK 0083</td>
<td>DUI Traffic Stops (1)</td>
<td>24</td>
<td>PSAV</td>
<td>This is a basic course which includes methods and skills for stopping a vehicle for a possible DUI violation, procedures for making a DUI stop and administering standardized field sobriety exercises. The objectives are addressed as specified by the Criminal Justice Standards and Training Commission.</td>
</tr>
<tr>
<td>CJK 0086</td>
<td>Traffic Crash Investigations (1)</td>
<td>32</td>
<td>PSAV</td>
<td>This is a basic course in which the student will study the concepts of traffic crash investigation, scene management, and reporting procedures. The objectives are addressed as specified by the Criminal Justice Standards and Training Commission.</td>
</tr>
<tr>
<td>CJK 0095</td>
<td>Criminal Justice Special Topics (1)</td>
<td>20</td>
<td>PSAV</td>
<td>This course is for students to demonstrate skills that were learned in law enforcement or corrections modules.</td>
</tr>
<tr>
<td>CJK 0096</td>
<td>Physical Fitness Training for Law Enforcement (2)</td>
<td>60</td>
<td>PSAV</td>
<td>This is a basic course in which the student will be exposed to the benefits of being physically fit and the importance of proper nutrition. The student will participate in a physical fitness training program.</td>
</tr>
<tr>
<td>CJK 0100</td>
<td>Criminal Justice Interpersonal Skills I (2)</td>
<td>60</td>
<td>PSAV</td>
<td>This is a basic course in which community relations techniques and courtesy are addressed. Intervention techniques for various situations including suicide and crisis are studied. Stress recognition and reduction are included. Cultural and human diversity are studied. Objectives are addressed as specified by the Criminal Justice Standards and Training Commission.</td>
</tr>
<tr>
<td>CJK 0101</td>
<td>Criminal Justice Interpersonal Skills II (2)</td>
<td>60</td>
<td>PSAV</td>
<td>This is a basic course in which the interpersonal skills needed by officers to understand the incarcerated society are explored with emphasis upon supervision methods. Inmate adjustment and the various segments of the society are studied. Includes the study of homosexuality, female inmates, deception and manipulation by inmates and institutional criminalities. Objectives are addressed as specified by the Criminal Justice Standards and Training Commission.</td>
</tr>
<tr>
<td>CJK 0102</td>
<td>Criminal Justice Corrections Operations (2)</td>
<td>60</td>
<td>PSAV</td>
<td>This is a basic course in which the operation of correctional facilities is studied including the intake of new inmates, all aspects of their daily care, institutional procedures, and techniques utilized by officers to perform daily tasks. Objectives are addressed as specified by the Criminal Justice Standards and Training Commission.</td>
</tr>
<tr>
<td>CJK 0204</td>
<td>Crossover CMS Law Enforcement to Traditional Correctional — Introduction (2)</td>
<td>59</td>
<td>PSAV</td>
<td>This course contains the topics of Legal I, Legal II, Communications and Interpersonal Skills I which are required by the Criminal Justice Standards and Training Commission for completion of the law enforcement to correctional officer crossover program.</td>
</tr>
<tr>
<td>CJK 0212</td>
<td>High Liability — Crossover Corrections to Law Enforcement (1)</td>
<td>8</td>
<td>PSAV</td>
<td>This course is designed for the certified corrections officer to cross over to law enforcement. This course focuses on high liability areas containing course material from CJK 0031C First Aid and CJK 0040 Firearms. It prepares prospective officers to apply basic first aid knowledge and techniques to emergencies. It includes firearms safety procedures; use of force; and basic</td>
</tr>
</tbody>
</table>
handling procedures for the handgun and the long gun. It also covers the common type of ammunition used in law enforcement.

CJK 0221
Correctional Crossover to Law Enforcement – Introduction and Legal (1)
Vocational hours: 47
Classification: PSAV
This course is designed for the certified correctional officer to cross over to law enforcement. This course focuses on ethics, professionalism, sexual harassment, legal concepts, criminal law, use of force, civil and criminal liability, and juvenile law. The objectives addressed as specified by CJSTC. Each student must have completed the Correctional Basic Recruit Training Program prior to enrollment in this course.

CJK 0222
Correctional Crossover to Law Enforcement – Communications (2)
Vocational hours: 56
Classification: PSAV
This course is designed for the certified correctional officer to cross over to law enforcement. This course focuses on interpersonal communications, radio communications, note taking, report writing, interviewing and human interaction. The objectives addressed as specified by CJSTC. Students must have completed the Correctional Basic Recruit Training Program prior to enrollment in this course.

CJK 0223
Correctional Crossover to Law Enforcement – Human Issues (1)
Vocational hours: 32
Classification: PSAV
This course is designed for the certified correctional officer to cross over to law enforcement. This course focuses on working with diverse and special populations. The objectives addressed as specified by CJSTC. Students must complete the Correctional Basic Recruit Training program prior to enrollment in this course.

CJK 0270
Criminal Justice Legal I (1)
Vocational hours: 30
Classification: PSAV
This is a basic course which provides an overview of the criminal justice system and a history of corrections. The foundation and basic components of law are studied, with focus upon officer application. The philosophies of corrections and probation and parole are studied. Objectives are addressed as specified by the Criminal Justice Standards and Training Commission.

CJK 0280
Physical Fitness Training for Criminal Justice Officers (1)
Vocational hours: 40
Classification: PSAV
This is a basic course which includes the student being exposed to benefits of being physically fit and the importance of proper nutrition. The student will participate in a physical fitness training program.

CJK 0285
Criminal Justice Legal II (1)
Vocational hours: 30
Classification: PSAV
This is a basic course in which the U.S. Constitutional law and its application to correctional officers are examined. Evidence rules and concepts are studied. Objectives are addressed as specified by the Criminal Justice Standards and Training Commission.

CJK 0286
Criminal Justice Communications (1)
Vocational hours: 30
Classification: PSAV
This is a basic course in which interpersonal communication skills are covered along with radio and telephone procedures. The report-writing process from the interview, statement taking, and note taking, through the final report is covered with practical exercises included. Emphasis is in the field of corrections. Objectives are addressed as specified by the Criminal Justice Standards and Training Commission.

CJK 0300
Introduction to Corrections (1)
Vocational hours: 32
Classification: PSAV
This is a basic course in which the overview of the correctional officer training program, basic criminal justice values and ethics, ways to demonstrate professionalism when interacting with others, the command structure, state and federal laws, and agency policy and procedures are studied. Objectives are addressed as specified by the Criminal Justice Standards and Training Commission.

CJK 0305
Communications (1)
Vocational hours: 40
Classification: PSAV
This is a basic course in which practical communication skills that will assist the new correctional officer in managing and supervising inmates, giving directions, answering questions, and interacting with others in a professional and safe manner are studied. Interpersonal communications, telecommunications, interviewing, note taking, and report writing are also studied. Objectives are addressed as specified by the Criminal Justice Standards and Training Commission.
CJK 0310
Officer Safety (.5)
Vocational hours: 12
Classification: PSAV
This is a basic course in which the knowledge and understanding of the facilities policies and procedures as well as being prepared to respond appropriately to minimize safety and security concerns are studied. Objectives are addressed as specified by the Criminal Justice Standards and Training Commission.

CJK 0315
Facilities and Equipment (.5)
Vocational hours: 12
Classification: PSAV
This is a basic course in which the use of standard equipment used including weapons, hazardous materials, and sensitive supplies are studied. The safe and efficient operation of this equipment to provide a safe environment for all staff and inmates is also studied. Objectives are addressed as specified by the Criminal Justice Standards and Training Commission.

CJK 0320
Intake and Release (.5)
Vocational hours: 18
Classification: PSAV
This is a basic course in which the intake and release procedures for inmates are studied. Fingerprinting, photographing and classification of inmates are also studied. Objectives are addressed as specified by the Criminal Justice Standards and Training Commission.

CJK 0325
Supervising in a Correctional Facility (1)
Vocational hours: 40
Classification: PSAV
This is a basic course in which the care, custody, and control of inmates is studied. The development of good observation skills, practicing officer safety guidelines, and following agency policy and procedures to ensure the safe operation of the facility are also studied. Objectives are addressed as specified by the Criminal Justice Standards and Training Commission.

CJK 0330
Supervising Special Populations (1)
Vocational hours: 20
Classification: PSAV
This is a basic course in which the supervision of special population inmates is studied. The ability of the officer to categorize, approach, and redirect these inmates to ensure officer safety and effective communication is also studied. Objectives are addressed as specified by the Criminal Justice Standards and Training Commission.

CJK 0335
Responding to Incidents and Emergencies (.5)
Vocational hours: 16
Classification: PSAV
This is a basic course in which the officer learns to apply knowledge, training, and reasonable judgment to assure the safety and security of all persons at the facility during an emergency. The officer's ability to recognize signs that an incident could develop into an emergency and how to appropriately respond to different types of emergencies is also discussed. Objectives are addressed as specified by the Criminal Justice Standards and Training Commission.

CJK 0340
Officer Wellness and Physical Abilities (1)
Vocational hours: 30
Classification: PSAV
This is a basic course in which physical fitness and wellness is studied. The student will also be required to be physically evaluated using the physical fitness standards. Objectives are addressed as specified by the Criminal Justice Standards and Training Commission.

CJK 0422
Dart Firing Stun Gun (1)
Vocational hours: 8
Classification: PSAV
This is a basic course which will provide an introductory overview of the history, nomenclature, maintenance, care and storage of the dart-firing stun gun. The student will receive instruction on the deployment options and the proper verbal skill to de-escalate a situation.

CJK 0480
Criminal Justice Emergency Preparedness (1)
Vocational hours: 30
Classification: PSAV
This is a basic course in which the skills needed for riot and disturbance control and firefighting principles are studied and practiced. Lecture includes methods of riot prevention, handling of unusual occurrences, what to do if taken hostage, and emergency procedures. Objectives are addressed as specified by the Criminal Justice Standards and Training Commission.

COS 0001
Introduction to Cosmetology (4)
Vocational hours: 120
Classification: PSAV
Introduction to Cosmetology covers school rules and regulations, familiarization with the department, facilities and equipment. Also covers personal and public hygiene, proper sanitizing procedures for tools and equipment, diagnosis and recognition of hair and scalp disorders, selection and application of appropriate treatments and scalp manipulations. (4 vocational credits/120 clock hours)
COS 0080
Cosmetology/Barbering Lab (3)
Vocational hours: 90
Classification: PSAV
Instruction and learning activities are provided in a laboratory setting using hands-on experience with chemicals, implements and equipment appropriate to the program's content and in accordance with current practices in the trade. This course may be repeated for credit. (3 vocational credits/90 clock hours)

COS 0081
Cosmetology/Barbering Lab II (4)
Vocational hours: 120
Classification: PSAV
Instruction and learning activities are provided in a laboratory setting using hands-on application of intermediate-level skills. May be repeated to attain required credits. (4 vocational credits/120 clock hours)

COS 0082
Cosmetology/Barbering Lab III (4)
Vocational hours: 120
Classification: PSAV
Instruction and learning activities are structured to prepare students for the school-to-work transition. May be repeated to attain required credits. (4 vocational credits/120 clock hours)

COS 0320
Shaves, Beards and Mustache Trim (4)
Vocational hours: 120
Classification: PSAV
Identify a suitable design for the mustache and/or beard in relation to the client’s nose and face. Procedures examined for trimming a mustache or beard including preparing the client, performing the shaving and/or trimming and performing final cleansing of face and neck. (4 vocational credits/120 clock hours)

COS 0400
Hair Design (4)
Vocational hours: 120
Classification: PSAV
Provides proper identification, care and use of hair shaping implements, basic sectioning for shaping; various guidelines, elevation and thinning techniques; related instruction including study of various hair textures and cutting techniques. Includes basic procedures for finger waves, pin curls, and rollers for wet sets; heat styling with blower, curling irons, pressing combs or electric rollers; elements of comb-out techniques, related instruction including study of features and hair textures. (4 vocational credits/120 clock hours)

COS 0500
Introduction to Barbering (4)
Vocational hours: 120
Classification: PSAV
Provides students with beginning theoretical and practical procedures of barbering. The basic topics and tasks to be covered are history of barbering, professional image and ethics, bacteriology, sterilization and sanitation, safe and efficient work practices, implements, tools and equipment, skin, scalp and hair structure, disorders and treatments of hair and skin, massage and facial treatments. Students are required to perform an oral presentation on the history of barbering, make presentations in cooperative learning groups. (4 vocational credits/120 clock hours)

COS 0644
Chemical Hair and Restructuring (4)
Vocational hours: 120
Classification: PSAV
Covers basic permanent-waving including hair and scalp analysis and study of the chemical processes involved; variations of rod sizes; blocking; wrapping techniques; processing, test curls, and neutralizers; special problems in permanent waving; record keeping; safety and sanitation. Also covers basic chemical relaxing procedures, including hair and scalp analysis and study of the chemical processes involved; applying, processing and neutralizing chemical relaxers; special problems in relaxing; related instruction including chemistry of cold waving, heat waving, chemical break down and rebonding of hair; and chemistry of relaxers. (4 vocational credits/120 clock hours)

COS 0700
Hair Color and Bleach (4)
Vocational hours: 120
Classification: PSAV
Focuses on identification of temporary, semi-permanent and permanent hair color and bleach and the application of each. Patch testing, strand testing, hair and scalp analysis, and use of conditioners; record-keeping, safety and sanitation, mixing of chemicals, related instruction covering basic laws of color, procedures for virgin heads, retouch applications for color and bleach, color level system; stages for bleaching, various strengths and types of bleach and their uses; chemistry of color and bleach. Provides hands-on experience. (4 vocational credits/120 clock hours)

COS 0870
Salon Management (2)
Vocational hours: 60
Classification: PSAV
Includes setup and operation of a cosmetology salon, operating budget, site location, equipment list and physical layout design; also, marketing, advertising plans, appropriate accounting system and insurance plan. Course also includes employability skills, job interview, entrepreneurship, advantages and disadvantages of business ownership.
CSP 0006
Diseases and Disorders of the Skin (4)
Vocational hours: 120
Classification: PSAV
Includes hands-on lab experience and instruction including histology of the skin, disorders and diseases of the skin, operation of electric equipment, hair removal, and the study of cells, anatomy and physiology. (4 vocational credits/120 clock hours)

CSP 0010
Manicure and Pedicure (4)
Vocational hours: 120
Classification: PSAV
Provides techniques for French manicure, pedicures; study of the nail and its diseases and disorders; hands-on experience and workshops. New products and techniques are added continually to update course content. (4 vocational credits/120 clock hours)

PMT 0102
Introduction to Welding (4)
Vocational hours: 120
Classification: PSAV
An introduction to metal, industrial practices and procedures, various testing techniques, arc welding in the flat position, using various thickness of metal. Includes structure of the welding program and history of welding with emphasis on shop safety, welding safety, and oxyacetylene safety. Course also covers blueprint reading for welders. (4 vocational credits/120 clock hours)

PMT 0111
Oxyacetylene Welding (4)
Vocational hours: 120
Classification: PSAV
Course covers brazing, soldering, metalizing, and welding steel with the oxyacetylene torch; cutting steel of all thickness with oxy fuel equipment; plasma cutting process; and welding theory. (4 vocational credits/120 clock hours)

PMT 0121
Shielded Metal Arc Welding (4)
Vocational hours: 120
Classification: PSAV
Course covers welding processes, safety and terminology, electric welding in horizontal, vertical and overhead positions, using various thickness of metal and joint design. May be repeated for credit. (4 vocational credits/120 clock hours)

PMT 0131
Gas Tungsten Arc Welding (3)
Vocational hours: 90
Classification: PSAV
A course in the fundamentals of tungsten inert gas welding including setup and adjustment of the TIG welding machine, selection of proper tungsten electrodes, selection of filler metals, use of various shielding gases, practical experience in TIG welding basic welded joints on stainless and mild carbon steel, aluminum sheet and casting, and magnesium casting. (3 vocational credits/90 clock hours)

PMT 0134
Gas Metal Arc Welding (4)
Vocational hours: 120
Classification: PSAV
Introduction to metallic inert gas welding. Emphasizes the principles involved in the operating of MIG equipment. Covers MIG welding of steel and aluminum. (4 vocational credits/120 clock hours)

PMT 0161
Pipe Welding (3)
Vocational hours: 90
Classification: PSAV
This course teaches the student to fabricate and weld pipe joints and to perform fabrication using welding skills. The student will develop proficiency in welding pipes in all positions. This course may be repeated for credit. (3 vocational credits/90 clock hours)

PMT 0930L
Welding Skills Development Lab (2)
Vocational hours: 60
Classification: PSAV
This course allows students to acquire hands-on experience in a laboratory setting. It includes welding skill development in oxyacetylene welding, flux cored arc welding, shielded metal arc welding, gas metal arc welding and gas tungsten arc welding. This course may be repeated for credit. (2 vocational credits/60 clock hours)

PRN 0000C
Fundamentals for Practical Nursing (10)
Vocational hours: 300
Corequisite: PRN 0020 and PRN 0500 and PRN 0070
Classification: PSAV
Within the role of the practical nurse, PN, and using the nursing principles as the framework, students will apply knowledge and nursing skills needed for basic nursing care of diverse adults in long-term and acute care settings. Standard precautions, comfort, a safe environment, as well as therapeutic skills will be included. The student will also demonstrate communication skills, medication calculation, medication administration and basic computer skills. A basic introduction to the practical nurse's role in health care and its accompanying legal and ethical roles, and the PN as a lifelong learner are explored. The class concludes with pre- and post-op nursing care. (an average of 20 contact hours per week; 16-week semester)
PRN 0010
Vocational Relations (1)
Vocational hours: 30
Prerequisite: PRN 0381C
Corequisite: PRN 0382C
Classification: PSAV
The practical nursing, PN, student will recognize and apply the principles of human relationships and resultant behavior to the discipline. The student will identify his/her responsibilities concerning the legal and ethical aspects of practical nursing, economic security, and trends in nursing and employability. (2 contact hours per week)

PRN 0020
Human Growth and Development through the Lifespan (1)
Vocational hours: 30
Corequisite: PRN 0040
Classification: PSAV
In this class, normal human growth and development from prenatal through geriatric are explored. Physical, psychological, sociocultural and spiritual issues unique to each age are identified. (2 contact hours per week)

PRN 0030
Pharmacology I for Practical Nursing (1)
Vocational hours: 30
Prerequisite: PRN 0000C
Corequisite: PRN 0381C
Classification: PSAV
Students begin the study of drug therapy. This course includes the PN scope of practice in medication administration as defined by the Florida Nurse Practice Act. Besides reviewing the principles of pharmacology, the course will focus on medication categories: anti-infectives, antineoplastics, endocrine, gastrointestinal, immune system, allergy and respiratory, pain relief, reproductive, and urology. Application to disease conditions, allergic responses to medication therapy and nursing interventions are also included. Clinical experience is included in Medical/Surgical I and II as well as Maternal Nursing and Pediatric Nursing. (3 contact hours per week for 10 weeks)

PRN 0031
Pharmacology II for Practical Nursing (1)
Vocational hours: 30
Prerequisite: PRN 0030
Corequisite: PRN 0382C
Classification: PSAV
This course is a continuation of the study of medications as it relates to the PN role as defined by the Florida Nurse Practice Act. The specific focus is medications used in the treatment of patients with cardiovascular, dermatological, musculoskeletal, neurological, respiratory and sensory disorders. Common supplements are also addressed. These objectives are also evaluated during Medical Surgical II clinical experience. (2 contact hours per week)

PRN 0040
Personal, Family and Community Health (1)
Vocational hours: 30
Corequisite: PRN 0020
Classification: PSAV
In this class, the student explores the concept of health as it relates to the individual, the family and the community. The wellness/illness continuum is discussed. Principles of microbiology and contagious diseases are explored. Physiological and mental health concepts are incorporated. Immunity and its relationship to disease prevention are discussed. (2 contact hours per week)

PRN 0070
Practical Nursing Nutrition (1)
Vocational hours: 30
Corequisite: PRN 0020
Classification: PSAV
Introduction to basic nutrition includes an overview of nutrition and nutritional needs of diverse persons throughout the life cycle. Impact of nutrients on various conditions and illnesses and therapeutic nutrition are discussed. (2 contact hours per week)

PRN 0100
Maternal Nursing (2.5)
Vocational hours: 75
Prerequisite: PRN 0000C
Corequisite: PRN 0110
Classification: PSAV
In Maternal Nursing, students study the appropriate nursing care for patients during the antepartal, labor, postpartal and neonatal stages. Care during normal conditions, awareness of abnormal signs and symptoms, and appropriate practical nursing care measures are studied.

PRN 0110
Pediatric Nursing (2.5)
Vocational hours: 75
Prerequisite: PRN 0000C
Corequisite: PRN 0100
Classification: PSAV
Based on the knowledge learned in PRN 0020, Human Growth and Development Through the Life Span, and in conjunction with knowledge learned in Medical/Surgical I, appropriate nursing care of diverse children is studied and administered. Clinical learning sites include acute care and well child clinics.
PRN 0381C
Medical Surgical Nursing I (6)
Vocational hours: 180
Prerequisite: PRN 0000C
Corequisite: PRN 0030
Classification: PSAV
This course addresses the physical, psychological, sociocultural, developmental and spiritual nursing measures for common diseases and disorders of patients with medical surgical conditions. The patient population includes those with gastrointestinal, endocrine, urinary, reproductive and immunity disorders. Nursing care of patients with needs related to pain and the patient with cancer are also included in this course. (12 contact hours per week)

PRN 0382C
Medical Surgical Nursing II (15.5)
Vocational hours: 465
Prerequisite: PRN 0381C
Corequisite: PRN 0031
Classification: PSAV
This course addresses the patient’s physical, psychological, sociocultural, developmental and spiritual needs and nursing measures to address needs for those with common diseases and disorders. The patient population includes those with respiratory, cardiovascular, neurological, sensory, integumentary (including burns) and musculoskeletal diseases/disorders.

PRN 0500
Gerontological Nursing (1)
Vocational hours: 30
Corequisite: PRN 0020
Classification: PSAV
The physiological, psychological, sociocultural, developmental and spiritual needs of healthy elders, from well to ill, or at various points on the wellness-illness continuum including the acute and chronic diseases and disorders of the elderly, are discussed. This class is the foundation for first-semester clinical experience in long-term care agencies. (2 contact hours per week)

SLS 0341
Successful Employment Techniques (3)
Vocational hours: 90
Classification: PSAV
This course is structured to enhance employability skills necessary for successful employment. It includes nontechnical, cross-occupational competency study related to getting and keeping a job.

STS 0003
Introduction to Surgical Technology (17)
Vocational hours: 510
Classification: PSAV
Acceptance to the Surgical Technology program and current CPR/BLS certification are required. The student will be introduced to the school’s program, philosophy, and requirements. Interpersonal relationship techniques, medical terminology, and weights and measures are stressed. An understanding and appreciation for the role of a surgical technologist in the operating room, delivery room and related areas will be obtained. The student will be introduced to self, professional and workplace management skills. The student will become aware of the surgery patient’s total needs and ethical, moral and legal patient care concepts for the surgical patient: physical, social, psychological, and spiritual. Surgical consent, pre-operative routine, and laboratory reports are covered and the student learns to interpret these reports. Pharmacology and principles of anesthesia administrations are stressed, with emphasis on the care and handling of drugs and solutions used in surgery, pre-operative meds, side effects, drug reactions and emergency measures used to counteract these reactions. The individuality and uniqueness of each patient is discussed. The student will learn to understand and use skills in the operating room, including principles of aseptic technique, correct procedure for scrubbing, gowning, and gloving (self and others), draping, handling of specimens, care and counting of sponges, sharps and instruments. The student will identify, demonstrate care, assembly and handling of instruments and specialty equipment. The student will obtain experience in handling drains, dressings, instruments, duties of scrub, circulator, second assist, surgical preps, positions, syringes, needles, sutures and stapling devices. The student will also learn to set up a basic mayo stand, back table, and perform both skills as a team member during skills lab practice. After successful completion of 240 hours and passing an instrumentation test, the student will have demonstrated an occupational completion point of Central Supply Technician. Students must also pass a skills performance test to successfully complete this course. The student will also understand and use principles of sanitation, sterilization and disinfection. Laboratory practice is an integral part of this course. The student will obtain a basic understanding of anatomy, physiology and pathophysiology. Introduction to the structure and function of the body, anatomical positions and planes of the body, systems of the body and their interrelationships are studied. Principles of pathology and reaction of injury and pathogenesis of disease are discussed. Introduction to microbiology, the infectious process, body defenses against disease and wound healing are studied. Microorganisms as agents of disease and host-parasite are studied as they apply to the practice of surgery. Maintenance of health and prevention of disease is emphasized. The student will obtain clinical experience in the surgical environment. Students will actively participate as a scrub person during surgical procedures. Emphasis is on skills development learned in skills laboratory.

STS 0810
Surgical Technology I (18)
Vocational hours: 550
Prerequisite: STS 0003
Classification: PSAV
Satisfactory clinical evaluation in STS 0003, current CPR/BLS certification and OSHA/AIDS/Bloodborne Pathogens/TB/Infection Control and Biohazardous Waste Certificate are required. This course focuses on expanding the basic principles from STS 0003 to include specific patient
preparation. Information is obtained on operative procedures, pathology that indicates surgical intervention, methods of anesthesia, the different types of incisions, special equipment, instruments and supplies. Also covered are diagnostic procedures and complications of each surgical procedure, and information associated with emergency situations and radiation. Information is obtained on employability skills. This course is designed to provide the student with standard level of competency in clinical areas. Clinical practice is coordinated with didactic content. The student will demonstrate learned skills and practice safety in the operating room while scrubbing, assist circulating and second assisting in the following specialty areas: general surgery, obstetrics and gynecology, gastrointestinal, genitourinary, otorhinolaryngology, ophthalmology, orthopedic, plastic, oral, dental, maxillofacial, thoracic, peripheral vascular, cardiovascular, neurosurgery, pediatric, endoscopic, laser and transplant. The student will first scrub assisted or solo on 125 cases. Thirty-five cases must be solo. Of the 35 solo roll cases, 10 should be Level I Core, 10 should be Level II Core, 10 should be Level I Specialty, and five should be Level II Specialty.

STS 0820
Surgical Technology II (9)
Vocational hours: 270
Prerequisite: STS 0810
Classification: PSAV
Satisfactory clinical evaluation in STS 0810, current CPR/BLS certification and OSHA/AIDS/Bloodborne Pathogens/TB/Infection Control and Biohazardous Waste Certificate are required. This course focuses on continuance of surgical theory of endoscopic procedures, MIS or MAS. Basic concepts of physics, electricity and robotic surgery are introduced. It provides study of special problems which coordinate with the individual needs of students during clinical practice, trauma, death and dying, transplant, procurement, case studies, and preparation to write the National Certification Examination. Clinical supervised practice is an integral part of this course. Students will be able to demonstrate competent, entry-level clinical skills for employment. After successful completion of the program, a student will demonstrate an occupational completion point of Surgical Technologist.

TRA 0081
Commercial Vehicle Driving (11)
Vocational hours: 320
Classification: PSAV
The purpose of this program is to prepare students for employment as tractor trailer/truck drivers. This program also provides supplemental training for persons previously or currently employed in these occupations. The course content includes operation of large semi-truck tractor vehicles, loading and unloading cargo, reporting delays or accidents on the road, verifying load against shipping papers, record keeping, and federal and state motor carrier and safety regulations. Note: Students entering this program must exhibit a safe driving record, be at least 21 years of age, and comply with state and federal licensing requirements. Applicants must pass the Florida Department of Transportation physical and drug screening.

Baccalaureate-Level Courses

ACG 3024
Accounting for Nonfinancial Majors (3)
Prerequisite: MAC 1105 or higher, or a CLM score of at least 40
Classification: Baccalaureate
This course addresses the use of accounting information by nonfinancial managers. Emphasis is placed on the interpretation of accounting information and the language of financial accounting to effectively participate in activities such as planning, investment, control and managerial decision-making.

AEB 3015
Economic Development and Growth in Agribusiness (3)
Classification: Baccalaureate
This course emphasizes the role of agriculture and economics. The topics include the hows and whys of their influence on food prices and the world food situation, the environment, natural resources and government policy, and economic issues, including inflation and money.

AEB 3146
Financial Planning for Agribusiness (3)
Classification: Baccalaureate
This course is an introduction to basic financial and managerial decision-making for small agribusinesses.

AEB 3300
Agribusiness Marketing and Sales (3)
Classification: Baccalaureate
This course is an examination of agricultural and food marketing from both a system and individual firm perspective. Problems and issues associated with marketing functions and institutions at the industry level and with objectives and strategies of farms and agribusiness firms which market agricultural commodities and food products are explored.

AEB 3933
Special Topics: Applied Crop and Plant Production (1)
Classification: Baccalaureate
This course covers the current trends of crop and plant production, especially in regard to land management and biotechnology. Crop production and plant science produce products for direct human consumption, indirect human consumption through animals or for visual benefit.

AEB 4223
Agricultural Policy and Regulations (3)
Classification: Baccalaureate
This course helps develop an understanding of the basic concepts of common and statutory law. Topics include identity of current legal issues of importance at the personal and professional level; developing an understanding of risk and the solutions for managing risk; relating the concepts of risk management and law in limiting exposure to legal liability.
AEB 4931
Capstone Project in Agribusiness (3)
Classification: Baccalaureate
This course integrates the skills and knowledge gained from Agribusiness Management. Students will select a topic from the instructor’s list and develop a project outline, conduct and write a review, develop a thesis, culminating in a written manuscript relevant to Agribusiness Management.

AOM 3073
Safety in Agriculture (3)
Classification: Baccalaureate
This course identifies safety concepts, principles, practices, rules and regulations as they relate to agriculture. Learning objectives include developing and conducting safety programs. Conducting safety inspections and accident investigations are other aspects of the course.

AOM 4015
Agricultural Operations and Systems (3)
Classification: Baccalaureate
This course examines the agricultural operations management, combines emerging technologies with business principles to improve the environment, agricultural production, technical sales and the constructed environment of facilities and operations.

ASG 3930
Special Topics: Applied Animal Industries – Equine (1)
Classification: Baccalaureate
While not classified as farm animals, horses contribute significantly to agricultural enterprises, through open space preservation, animal feed production, veterinary services and farm equipment. This course covers the current trends and topics relevant to the equine industry. Relevant and controversial topics such as unwanted horses, reproductive biotechnology, direct and indirect economic impact and ethical use of horses are relevant and controversial subjects that will be discussed in this course.

ASG 3931
Special Topics: Applied Animal Industries – Food Animal Production (1)
Classification: Baccalaureate
Food producing animal species provide milk, eggs and meat for human nutrition. This course covers the current trends in the beef cattle, dairy cattle, poultry, swine and aquaculture industries. Topics such as food safety, animal welfare, resource needs, economic development and biotechnology will be discussed.

BUL 3130
The Legal and Ethical Environment of Business (3)
Prerequisite: BUL 2241
Classification: Baccalaureate
This course explores the legal and ethical environments of business. Emphasis is placed on the legal and ethical responsibilities to both external and internal groups in business. Topics include the legal, ethical and judicial environment, business and the Constitution, business torts, contracts, and employment law.

CGS 4854
Website Administration (3)
Classification: Baccalaureate
This course will cover the installation of Windows and Linux servers, the installation, configuration, and administration of Internet information services (IIS) and Apache Web server, Microsoft SQL server and MYSQL database management systems, and the Microsoft Exchange Server, and sending email.

CJL 3510
Prosecution and Adjudication (3)
Classification: Baccalaureate
This course is an examination of the structure and process involved in the prosecution, adjudication and sentencing of criminal defendants. The exercise of prosecutorial and judicial discretion is analyzed, with emphasis placed on understanding the influence of legal, organizational and environmental contexts on decision-making.

COM 3120
Organizational Communications (3)
Classification: Baccalaureate
This course will examine the process of communication within organizations. The topics of message dissemination, interpersonal communication, work group interaction, and nonverbal communication will be analyzed as to their impact on individuals and the organization. Emphasis will be placed on practical application techniques for diagnosing and resolving organizational communication problems. This course will also have a major writing requirement focusing on practical business writing techniques.

DSC 3079
Foundations of Public Safety (3)
Classification: Baccalaureate
This course emphasizes the importance of effective emergency communications ranging from a conflict to communications during a catastrophic event including reporting, writing, radio and alternative communication technologies, as well as effective public communications.

DSC 3215
Emergency Planning (3)
Prerequisite: DSC 1212
Classification: Baccalaureate
This course studies the process and implementation of comprehensive emergency management plans for incident management continuity of operations for all levels of government and all sectors of the community.
DSC 4013  
**Capstone Thesis Project in Public Safety (6)**  
Classification: Baccalaureate  
This course focuses on the integration of knowledge, skills and abilities learned in the program through a capstone project. To be taken during the last semester of the program.

DSC 4226  
**National Incident Management (3)**  
Classification: Baccalaureate  
This course examines the standards and requirements for full implementation of National Incident Management standards and the development of National Response Plans.

DSC 4755  
**National Security (3)**  
Classification: Baccalaureate  
Examination and discussion of all aspects of national security and how strategic issues affect public safety administration and operations. Topics include national security preparedness, terrorism and counter-terrorism, critical infrastructure, disaster management and strategic communications for local and regional governments.

DSC 4931  
**Selected Topics in Public Safety (3)**  
Classification: Baccalaureate  
This course provides advanced students an opportunity to examine current issues and themes in public safety administration.

EDG 4410  
**Classroom Management and Child Guidance (3)**  
Prerequisite: EEX 4201 and EEC 4301 and EME 2040 and EDF 2085 and EEC 4404 and EDP 4503 and EEC 4624 and LAE 4416 and EEX 4231 and EEC 4219  
Corequisite: EEC 4940  
Classification: Baccalaureate  
This course examines classroom management as the interrelationship of appropriate curricula, methods, materials, student behavior, and the Teacher Behavior Continuum. Students in this course will examine appropriate and developmentally sensitive strategies for managing behavior in typically and atypically developing children ages 3 to 8 years old. In addition to class meetings, a minimum of 10 hours in an age-3 to grade-12 setting is required. Successful completion of this course is a grade of C or better. This is a reading endorsement and ESOL endorsement infused class.

EDP 4503  
**Assessment, Evaluation and Diagnosis of the Young Child (3)**  
Prerequisite: EDF 2085 and EDF 2005 and EME 2040  
Corequisite: EEX 4231  
Classification: Baccalaureate  
Students in this course will be introduced to a philosophic overview of the assessment process, including reading assessment, transdisciplinary assessment teams and provisions for appropriate information gathering techniques (formal and informal) which include the construction, selection, interpretation and evaluation of diagnostic instruments. The role of technology in testing and record maintenance will be discussed. Teachers will understand how to select and administer appropriate assessments and analyze data to inform reading instruction to meet the needs of all students. Teachers will engage in the systematic problem-solving process. In addition to class meetings, a minimum of 10 hours in an age-3 to grade-12 setting is required. Successful completion of this course is a grade of C or better. This is a reading endorsement and ESOL endorsement infused class.

EEC 3400  
**Family Literacy and Young Children (3)**  
Prerequisite: EDF 2085 and EDF 2005 and EME 2040  
Classification: Baccalaureate  
Students in this course will learn how to work with families and practice how to use materials in the home and community environment to foster development and the acquisition of disciplinary literacy skills. Students will engage in the systematic problem-solving process as they scaffold learning by applying the principles of research-based reading instruction and integrating the six components of reading across disciplines. In addition to class meetings, a minimum of 10 hours of field experience in a diverse clinical setting are required. Successful completion of this course is a grade of C or better. This is an ESOL infused and reading endorsement infused class.

EEC 4219  
**Integrated Math and Science for Young Children (3)**  
Prerequisite: EME 2040 and EDF 2085 and EDF 2005  
Classification: Baccalaureate  
Students will focus on instruction and integration of mathematics and science content and methodology in the areas of emergent numeracy and mathematical and scientific principles. Students will scaffold student learning and engage in the systematic problem-solving process through disciplinary literacy by applying the principles of research-based reading instruction, integrating the six components of reading; and differentiate process, product and context. In addition to class meetings, a minimum of 10 hours of field experience in a diverse age-3 to grade-12 setting is required. Successful completion of this course is a grade of C or better. This is an ESOL infused and reading endorsement infused class.

EEC 4301  
**Cognitive Experiences for Young Children (3)**  
Prerequisite: EME 2040 and EDF 2085 and EDF 2005  
Corequisite: LAE 4416  
Classification: Baccalaureate  
Students will identify developmentally appropriate and integrated content and methodology in the area of emergent numeracy and mathematical thinking; physical development; science; social studies; the arts; and emergent and beginning literacy, developing substantive understanding of six components of reading as a process. Disciplinary texts and developmentally appropriate methods, materials, activities and assessment for each area will be introduced through practical
Applications and strategies that are based on current research. In addition to class meetings, a minimum of 10 hours of field experience in a diverse age-3 to grade-3 setting is required. Successful completion of this course is a grade of C or better. This is an ESOL infused and reading endorsement infused class.

**EEC 4404**

*Relations Across Family, School and Community (3)*

Prerequisite: EDF 2005 and EME 2040 and EDF 2085  
Classification: Baccalaureate

Students in this course will engage in the systematic problem-solving process as they study how to promote maximum growth and psychological safety of young children. Emphasis is placed on the indicators and procedures to ameliorate child abuse and neglect; social systems; and the supports to families to increase their child’s reading skills. Sources of community support and resources to support prevention and family strength will be highlighted. Students will examine information that can create a vital link among school, community, and home in our multi-ethnic society. In addition to class meetings, a minimum of 10 hours of field experience in a diverse age-3 to grade-3 setting is required. Successful completion of this course is a grade of C or better. This is a reading endorsement and ESOL endorsement infused class.

**EEC 4624**

*Creative and Effective Experiences for Young Children (3)*

Prerequisite: EDF 2085 and EDF 2005 and EME 2040  
Classification: Baccalaureate

Students will select, create, organize and use materials, activities, and environments that support developmentally appropriate practices. These practices will include arrangement of class environment, learning through play, facilitation of learning through technology, discovery learning and problem-solving, creative expression, and developing the abilities of all children to be reflective thinkers and lifelong learners. Teachers will have a broad knowledge of students from differing profiles in order to understand and apply research-based instructional practices by differentiating process, product and context. Teachers will engage in the systematic problem-solving process. In addition to class meetings, a minimum of 10 hours of observation and participation in a diverse age-3 to grade-3 setting are required. Successful completion of this course is a grade of C or better. This is a reading endorsement and ESOL endorsement infused class.

**EEC 4940**

*Internship in Early Childhood (6)*

Prerequisite: EEX 4201 and EEC 4301 and EME 2040 and EDF 2085 and EDF 2005 and LAE 4416 and EEC 4404 and EDP 4503 and EEC 4624 and EEC 3400 and EEC 4219  
Corequisite: EDG 4410  
Classification: Baccalaureate

This course offers a comprehensive review and practical application of educational philosophy, methods, and strategy through a 10-week full-time internship in a diverse setting where students implement all learned competencies and skills. Students are admitted to internship with a 2.5 GPA in all professional courses. Successful completion of this course is a grade of C or better, and a passing score on the PreK/3 Subject Area Examination. This is an ESOL infused and reading endorsement infused class.

**EEX 4201**

*Young Children with Special Needs (3)*

Prerequisite: EME 2040 and EDF 2085 and EDF 2005  
Classification: Baccalaureate

This course will guide students in determining a child’s developmental readiness, learning styles and social-emotional needs. The history of exceptional education will be explored in conjunction with the educational and social issues relative to the field. Students will learn ways of adapting the classroom to meet the needs of children who have special requirements and will explore collaborative community services to meet the special needs of all children and their families. Students will have a broad knowledge of students from differing profiles in order to understand and apply research-based instructional practices by differentiating process, product and context. Students will engage in the systematic problem-solving process. In addition to class meetings, a minimum of 10 hours of field experience in a diverse age-3 to grade-3 setting are required. Successful completion of this course is a grade of C or better. This is an ESOL infused and reading endorsement infused class.

**EEX 4231**

*Assessing the Progress of Young Children with Special Needs (3)*

Prerequisite: EDF 2005 and EDF 2085 and EME 2040  
Corequisite: EDP 4503  
Classification: Baccalaureate

This course will familiarize students to methods and instruments to assess young children with exceptionalities. Students learn to use assessment data to plan interventions and instruction. Topics include formal and informal evaluation techniques, as well as the interpretation, application and communication of results. The role of technology in testing, record maintenance and composition of IEP/IFSP will be discussed/modeled. Teachers will understand how to select and administer appropriate assessments and analyze data to inform reading instruction to meet the needs of all students. Teachers will engage in the systematic problem-solving process. In addition to class meetings, a minimum of 10 hours of observation and participation in a diverse age-3 to grade-3 setting is required. Successful completion of this course is a grade of C or better. This is a reading endorsement and ESOL endorsement infused class.

**ENT 4003**

*Principles of Entrepreneurship (3)*

Classification: Baccalaureate

This course provides an overview of the multiple elements associated with starting and operating a small business. There will be a wide range of fundamentals covered, including identifying needs of the marketplace, researching and assessing market opportunities, identifying and analyzing risk, creating a value proposition, designing an introductory marketing platform, obtaining financing, cash flow strategies, operating a small business, growing a small business and relevant best practices.
GEB 4891
Strategic Management and Decision Making (3)
Classification: Baccalaureate
This course teaches strategic planning and strategy implementation in an organization. Students learn how to perform internal and external audits, identify problems, and formulate goals and objectives, develop action plans, and evaluate the effectiveness of the plan. Case studies are used to develop decision-making abilities.

HSA 3111
Survey of American Health Care Systems (3)
Classification: Baccalaureate
An overview of American health care systems that includes an historical perspective of their growth and development, and an assessment and analysis of their current status and future prospects. It provides a basic understanding of diverse and complex subsystems; respective professional and allied health roles; conflicts and contributions in the political, legislative and economic domains, and their complex interdependencies.

HSA 3170
Health Care Financial Management (3)
Prerequisite: HSA 3111
Classification: Baccalaureate
For nonfinancial managers who need basic knowledge of financial management and health care finance, and also serves as an introductory course for those who will be more directly involved in the financial aspects of health care. It includes an overall explanation of financial accounting terminology and how it works, review of financial reports (e.g., income statements, balance sheets, budgets, subsidiary ledgers and cost reports), and the managerial component that is necessary for everyday management in a health care setting. 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.

HSA 3340
Human Resource Management for Health Care (3)
Prerequisite: HSA 3111
Classification: Baccalaureate
Emphasizes principles, methods and procedures in human resource management and labor relations. Topics include job analysis, job description, employee motivations, performance appraisal, as well as coverage of the various personnel functions and the nature of union management relations as they evolve within the business organization. Internet access required.

HSA 4110
Management Foundations for Health Care Administration (3)
Prerequisite: HSA 3111
Classification: Baccalaureate
Integrates the current thinking about the management of health care organizations. It is a multidisciplinary approach covering leadership, motivation, work design, power, influence and organizational change.

HSA 4421
Policy and Legal Aspects of Health Care (3)
Prerequisite: HSA 3111
Classification: Baccalaureate
Provides an introduction to law and the legal process as it relates to health administration. It includes areas of public accountability; liability and health care providers; rights of patients; and administrative and business law for health care organizations.

HSA 4922
Capstone Project in Health Care Management (6)
Prerequisite: HSC 3652 and HSA 4110 and HSA 3340 and HSA 3111 and HSA 4421
Classification: Baccalaureate
Requires that the student synthesize and integrate the knowledge gained through the health care administration curriculum. May include a practicum, project, and/or critical review of current literature for written and oral presentation.

HSC 3652
Health Care Ethics (3)
Prerequisite: HSA 3111
Classification: Baccalaureate
Addresses the application of ethics to various components of the health care delivery system, including health care providers as well as administration in institutions. It discusses codes of ethics and handling of ethical problems.

ISM 3011
Introduction to Information Systems Management (3)
Prerequisite: CGS 1100
Classification: Baccalaureate
This course provides an introduction to the use of information technology in the business environment. The language, concepts, structures, processes involved in management of information systems will be discussed. This course will have an applications component where software will be used to support managerial decision-making.

ISM 3113
Information Systems Analysis and Design (3)
Prerequisite: CGS 1100 and CGS 2540
Classification: Baccalaureate
The course introduces fundamental concepts and methods related to the management of information systems in organizations.
ISM 3930
Special Topics in Management Information Systems (1)
Prerequisite: CGS 1100
Classification: Baccalaureate
This course covers the fundamental knowledge areas related to successful project management, security and emerging technologies. Topics include project selection and initial, work breakdown structure and scope management, scheduling, budgeting and cost analysis, quality control, project communication plans, project risk analysis, resource leveling and procurement issues. Students will take the course three times to cover all topics.

ISM 4212
Management Information Systems (Database) (3)
Prerequisite: CGS 1100 and CGS 2540
Classification: Baccalaureate
This course discusses the fundamentals and application of database management in the management of information systems.

ISM 4233
Information Systems Interface Design (Visual Basic) (3)
Prerequisite: COP 1332 and CGS 1100
Classification: Baccalaureate
Fundamental concepts of human perception and cognition are studied in order to develop effective human-computer interfaces. Various types of interfaces are examined. Students will develop human-computer interfaces via state-of-the-art development language and systems.

ISM 4330
Capstone in Management Information Systems (3)
Classification: Baccalaureate
Applied course in system analysis in which the student is involved in real projects on a variety of systems problems.

ISM 4382
Global Information System (3)
Prerequisite: CGS 2557 and CGS 1100
Classification: Baccalaureate
This course presents the role of information technology in global business organization systems to enable global operations.

LAE 4416
Children's Literature for Educators (3)
Prerequisite: EME 2040 and EDF 2085 and EDF 2005
Corequisite: EEC 4301
Classification: Baccalaureate
This course examines content and teaching strategies for teaching reading through the use of children's literature. Emphasis is on the identification of high-quality literature and the development of disciplinary literacy. Students will learn to scaffold student learning by applying the principles of research-based reading instruction and integrating the six components of reading. Students will engage in the systematic problem-solving and will plan for multilevel classrooms with learners from diverse backgrounds using researched-based strategies aligned to standards. In addition to class meetings, a minimum of 10 hours of field experience in a diverse age-3 to grade-12 setting are required. Successful completion of this course is a grade of C or better. This is an ESOL infused and reading endorsement infused class.

MAN 3240
Applied Organizational Behavior (3)
Classification: Baccalaureate
This course is a study of individual and group behavior in organizations. Students will develop an understanding of how organizations can be managed more effectively. Course content includes motivation, group dynamics, conflict resolution, goal-setting and rewards, job design, work stress, power/politics, and organizational change and development.

MAN 3303
Management and Leadership (3)
Classification: Baccalaureate
This course presents the basic concepts, principles and techniques of business leadership. Emphasis will be on the student developing a solid leadership foundation while entering them in the real themes, demands, and opportunities of an evolving and dynamic business workplace. This course will incorporate basic leadership skill development as it relates to the core aspects of management practice.

MAN 3860
Nonprofit Organizational Management (3)
Classification: Baccalaureate
This course will provide the student with an introduction to the principles of philanthropy and the history of the creation of not-for-profit organizations. Attention will be given to strategic planning as an essential executive management tool for the growth and survival of not-for-profit organizations. This includes the understanding of the purpose of a strong mission and vision statement. Also, students will be introduced to the role of a board of trustees and the importance of volunteer management. Attention will also be given to the executive manager's role in evaluating, setting and implementing financial goals for the organization's sustainability. This course includes a brief introduction to the most common types of fund development plans.

MAN 4162
Customer Relations for Managers (3)
Classification: Baccalaureate
This course examines relationship building for all customers of an organization. The impact of culture and diversity on business relationships, successful negotiation strategies, and promotion of the organization through media relations are discussed.
MAN 4301  
**Human Resource Management (3)**  
Classification: Baccalaureate  
This course is a study of the functions of human resource management including recruitment, selection, benefits and compensation, performance evaluation, development of employees, and formulation of human resource procedures. The strategic role of human resources and current issues will be discussed.

MAN 4900  
**Capstone in Organizational Management (3)**  
Classification: Baccalaureate  
This course teaches the integration of knowledge, skills and abilities learned in the Organizational Management program through a capstone project.

MAN 4940  
**Internship in Business and Organizational Management (3)**  
Classification: Baccalaureate  
Field experiences that provide practical applications in appropriate work settings are the focus of this course. Internships require a time commitment equivalent to full-time employment, with credit allotted on the basis of one credit hour for each week of full-time involvement.

MAR 3802  
**Marketing for Managers (3)**  
Classification: Baccalaureate  
This course helps develop the marketing knowledge and skills necessary for the successful manager of a technology organization. Students will understand marketing concepts, including the development of and execution of a marketing strategy. The course focuses on business-to-business and business-to-government marketing as well as the marketing of services.
Directory

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<th>Institution(s)</th>
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223
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JACKSON, Johnnie  
Groundskeeper, Citrus Campus

JACOBS, Jermele  
Director, Hampton Center
<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
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<tbody>
<tr>
<td>JACOLA, Rhonda</td>
<td>Specialist, Cafeteria Services</td>
</tr>
<tr>
<td>JENKINS, Keith</td>
<td>Public Safety Coordinator, Appleton Museum of Art</td>
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<td>JERNIGAN, Donna</td>
<td>Enrollment Specialist, Admissions and Records</td>
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<td>JOHNSON, Amber C.</td>
<td>Technical Support Specialist, Information Technology</td>
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<td>Technology Specialist, Information Technology</td>
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<td>JOHNSON, Marvin E.</td>
<td>Groundskeeper, Plant Operations</td>
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<td>JONES, June</td>
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<td>JONES, Tammy R.</td>
<td>Staff Assistant IV, Academic Foundations</td>
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<td>JONES, Vincent</td>
<td>Systems Analyst, Information Technology</td>
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<td>JOYNER, Teresa</td>
<td>Staff Assistant IV, Hampton Center</td>
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<td>JUSTICE, Kevin</td>
<td>Manager, Facility Operations and Construction Projects</td>
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<td>KALFS, Patricia I</td>
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<td>KELLEY, Kathleen E.</td>
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<td>KELLY, Tonya B.</td>
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<td>KERN-LADNER, Marilyn</td>
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</tr>
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<td>KIELTY, Ronald E.</td>
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<td>KLEPFER, Jennifer</td>
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<td>KNIERIM, Richard</td>
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<td>KNIGHT, Lynn</td>
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<td>KUSZYNHSKI, Lawrence J.</td>
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<td>LAMB, Karol J.</td>
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</tr>
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<td>LAMBERT, Heather</td>
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<td>LAPHAM-ALCORN, Gwen</td>
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<td>LARGEN, Jean A.</td>
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</tr>
<tr>
<td>LAWTER Jr., Vernon</td>
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</tr>
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<td>LIGHTSEY, Eric J.</td>
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</tr>
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<td>LITTLE-BERRY, Ruthie</td>
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<td>LORD, Rebecca</td>
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<td>LUTZ, Lana</td>
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<td>MAASH, Patricia</td>
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<td>MacDONALD, Rickie</td>
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<tr>
<td>MACKEY, Debra</td>
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<tr>
<td>Name</td>
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<tr>
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Ocala Campus Map
Index

A
About College of Central Florida • 4
Academic Dismissal • 63
Academic Information • 52
Academic Integrity and Honor Code • 62
Academic Progress • 61
Academic Requirements • 52
Academic Warning, Probation and Suspension • 50, 63
Access Services for Students with Disabilities • 89
Accident Insurance • 78
Accounting Technology • 94, 96
Accounting Technology Management • 97
Accession and Memberships • 14
ACG 2021 • 142
ACG 2021L • 142
ACG 2071 • 142
ACG 2100 • 142
ACG 2360 • 142
ACG 2450 • 142
ACG 3024 • 214
ACO 1807 • 142
ACR 0000 • 203
ACR 0001 • 203
ACR 0100C • 203
ACR 0106 • 203
ACR 0202 • 203
ACR 0600 • 203
ACR 0930L • 203
Add/Drop and Withdrawal Periods • 38
Admission and Staff • 226
Admission and Readmission of Students with a Violent Criminal Record • 48
Admission Procedures • 28
Admissions and Registration • 20
Admissions Philosophy • 20
Admissions Requirements for Baccalaureate Programs • 23
AEB 1941 • 142
AEB 2137C • 143
AEB 3015 • 214
AEB 3146 • 214
AEB 3300 • 214
AEB 3933 • 214
AEB 4223 • 214
AEB 4931 • 215
AER 0190C • 203
AER 0299 • 203
AER 0399 • 204
AER 0499 • 204
AER 0593C • 204
AER 0691C • 204
AER 0692C • 204
AER 0797C • 204
AER 0891C • 204
AER 0892C • 204
AER 0930 • 204
AER 0932 • 204
AER 1081 • 143
AER 1198 • 143
AER 1498 • 143
AER 1598 • 143
AER 1690 • 143
AER 1798C • 143
AER 2298 • 143
AER 2330 • 143
AER 2695C • 143
AER 2820C • 143
AER 2840C • 143
AGG 2001 • 144
Agribusiness Management — Horticulture/Equine Specialization • 94, 97
AICE Policy • 29
AIDS and Bloodborne Pathogens • 50
Air Conditioning, Refrigeration and Heating Technology • 95, 126
Alternative Certification Program • 94
AMH 2010 • 144
AMH 2020 • 144
AMH 2070 • 144
AMH 2091 • 144
AML 2010 • 144
AML 2010H • 144
AML 2020 • 144
AML 2600 • 144
ANS 1003 • 144
ANS 1018C • 144
ANS 1073C • 145
ANS 1220 • 145
ANS 1222 • 145
ANS 1223 • 145
ANS 1236 • 145
ANS 1237C • 145
ANS 1238C • 145
ANS 1315 • 145
ANS 1531C • 145
ANS 1930 • 145
ANS 2072C • 145
ANS 2074 • 146
ANS 2075 • 146
ANS 2076C • 146
ANS 2221 • 146
ANS 2232C • 146
ANS 2403 • 146
ARI 2000 • 146
ARI 2140 • 146
ARI 2203C • 149
ARI 2301C • 149
ARI 2401 • 149
ARI 2501C • 149
ARI 2601C • 149
ARI 2701C • 149
ARI 2702C • 149
ARI 2750C • 149
ARI 2751C • 149
Articulation Officers • 60
AOM 3073 • 215
AOM 4015 • 215
AP Policy, AP • 30
APA 1111 • 147
Appealing to the Articulation Coordinating Committee • 60
Appleton Museum of Art • 16, 17
Application and Application Fee • 21
Applied Academics for Adult Education (APA) Support Center • 89
Applied Music Principal Level (2) • 184
Applied Music Secondary Level (1) • 184
Applied Technology Diploma • 95, 125
Applied Welding Technologies • 95, 131
ARC 1115 • 147
ARC 1301 • 147
ARC 1302 • 147
ARC 1701 • 147
ARC 1702 • 147
ARC 2171 • 147
ARC 2172 • 147
ARC 2180 • 147
ARC 2201 • 147
ARC 2303 • 147
ARC 2304 • 148
ARC 2461 • 148
Area Vocational Education School (Occupational Certificate Programs) • 26
ARH 2050 • 148
ARH 2051 • 148
ARH 2840 • 148
ARH 2930 • 148
ARH 2942 • 148
ARH 2950 • 148
ARR 0001 • 205
ARR 0121 • 205
ARR 0122 • 205
ARR 0125L • 205
ARR 0126L • 205
ARR 0292 • 205
ARR 0293 • 205
ARR 0330 • 205
ART 1201C • 148
ART 1300C • 148
ART 1400 • 148
ART 1500C • 149
ART 2203C • 149
ART 2301C • 149
ART 2401 • 149
ART 2501C • 149
ART 2701C • 149
ART 2702C • 149
ART 2750C • 149
ART 2751C • 149
ASG 3910 • 215
ASG 3931 • 215
ASL 1140 • 149
ASL 1150 • 149
Associate in Arts Degree • 94
Associate in Arts Degree Requirements • 53, 56
Associate in Arts Guarantees • 59
Associate in Science Degree and College Credit Certificate Programs • 94
Associate in Science Degree Requirements • 60
Associate in Science Degree, Applied Technology Diploma, College Credit Certificate and Postsecondary Adult Vocational Certificate Programs • 94
AST 1002 • 149
Attendance Policy • 64
Audit Students • 23
Authority for Acceptance of Equivalent Courses • 141
Automotive Collision Repair and Refinishing • 95, 126
Automotive Service Management Technology • 98
Automotive Service Technology • 94, 95, 127

Baccalaureate Degree Requirements • 61
Baccalaureate Degrees • 96, 132
Baccalaureate-Level Courses • 214
Bachelor of Applied Science in Business and Organizational Management • 132
Bachelor of Science in Early Childhood Education • 96, 135
Barbering • 95, 127
BCN 1230 • 150
Board of Trustees • 4
BSC 0070 • 205
BSC 1020 • 150
BSC 1020L • 150
BSC 1050 • 150
BSC 1050L • 150
BSC 1051 • 150
BSC 1080 • 150
BSC 1080L • 150
BSC 2010 • 150
BSC 2010L • 150
BSC 2011 • 151
BSC 2013 • 151
CJ 1020 • 151
CJ 1020L • 151
CJ 1032 • 152
CJ 1032L • 152
CJ 2045 • 154
CJ 2045L • 154
CJ 2046 • 154
CJ 2046L • 154
CJ 2210 • 154
CJ 2210L • 154
CJ 2211 • 154
CJ 2211L • 154
CJ 2330 • 155
CJ 2600 • 155
CJK 0007 • 205
CJK 0008 • 206
CJK 0011 • 206
CJK 0012 • 206
CJK 0020 • 206
CJK 0031C • 206
CJK 0040 • 206
CJK 0051 • 206
CJK 0061 • 206
CJK 0062 • 206
CJK 0071 • 206
CJK 0076 • 207
CJK 0082 • 207
CJK 0083 • 207
CJK 0095 • 207
CJK 0096 • 207
CJK 0100 • 207
CJK 0101 • 207
CJK 0102 • 207
CJK 0204 • 207
CJK 0212 • 207
CJK 0221 • 208
CJK 0222 • 208
CJK 0223 • 208
CJK 0270 • 208
CJK 0280 • 208
CJK 0285 • 208
CJK 0286 • 208
CJK 0300 • 208
CJK 0305 • 208
CJK 0310 • 209
CJK 0315 • 209
CJK 0320 • 209
CJK 0325 • 209
CJK 0330 • 209
CJK 0335 • 209
CJK 0340 • 209
CJK 0422 • 209
CJK 0480 • 209
CHM 1025 • 153
CHM 1025L • 154
CHM 1032 • 154
CHM 1032L • 154
CHM 2045 • 154
CHM 2045L • 154
CHM 2046 • 154
CHM 2046L • 154
CHM 2210 • 154
CHM 2210L • 154
CHM 2211 • 154
CHM 2211L • 154
CIS 2321 • 155
Citrus Campus • 16
Citrus Campus Map • 234
CJC 1000 • 155
CJD 0781 • 205
CJE 2061 • 155
CJE 2330 • 155
CJE 2600 • 155
CJK 1002 • 155
CJK 0007 • 205
CJK 0008 • 206
CJK 0011 • 206
CJK 0017 • 206
CJK 0020 • 206
CJK 0031C • 206
CJK 0040 • 206
CJK 0051 • 206
CJK 0061 • 206
CJK 0062 • 206
CJK 0071 • 206
CJK 0076 • 207
CJK 0082 • 207
CJK 0083 • 207
CJK 0095 • 207
CJK 0096 • 207
CJK 0100 • 207
CJK 0101 • 207
CJK 0102 • 207
CJK 0204 • 207
CJK 0212 • 207
CJK 0221 • 208
CJK 0222 • 208
CJK 0223 • 208
CJK 0270 • 208
CJK 0280 • 208
CJK 0285 • 208
CJK 0286 • 208
CJK 0300 • 208
CJK 0305 • 208
CJK 0310 • 209
CJK 0315 • 209
CJK 0320 • 209
CJK 0325 • 209
CJK 0330 • 209
CJK 0335 • 209
CJK 0340 • 209
CJK 0422 • 209
CJK 0480 • 209

| Business Administration — Small Business/Entrepreneurship • 100 |
| Business and Organizational Management • 96, 132 |
| Business and Organizational Management — Agribusiness Management Specialization • 133 |
| Business and Organizational Management — Health Care Management Specialization • 134 |
| Business and Organizational Management — Management Information Systems Specialization • 133 |
| Business and Organizational Management — Public Safety Administration Specialization • 134 |
| Business Management — Event Planning • 95, 102 |
| Business Management, Marketing and Administration • 98 |
| Business Operations • 101 |

C
Campus and Community Involvement • 92
Campus Environment • 51
Career Center • 90
Career Pathways • 22, 88
CCJ 1020 • 151
CCJ 2010 • 151
CCJ 2013 • 151
CET 1171 • 151
CET 1178C • 152
CET 1179 • 152
CET 1611 • 152
CET 2172 • 152
CET 2180 • 152
CF Arts and Culture • 16
CF Conference Centers • 16
CF Foundation • 40
CF Institutional Learning Outcomes • 52
CF Testing Center • 93
CF Transcripts • 49
CF Unit of Credit • 61
CF University Center • 16
CGS 1062 • 152
CGS 1100 • 152
CGS 1122 • 152
CGS 1820 • 152
CGS 2103 • 152
CGS 2540 • 153
CGS 2557 • 153
CGS 2871 • 153
CGS 2930 • 153
CGS 4854 • 215
CHD 1339 • 153
CHD 1440C • 153
CHD 1441C • 153
CHI 1120 • 57, 153
CHI 1121 • 153
Child Care • 88
Child Care Students • 23
CJL 2130 • 155
CJL 3510 • 215
CLEP Policy • 23, 31
CLP 2140 • 155
College Calendar • 6, 21, 37, 38
College Credit Certificate in Child Care Center Management • 108
College Credit Certificate in Child Development Early Intervention • 108
College Credit Certificate in Office Management • 122
College Credit Certificate in Office Specialist • 122
College Credit Certificate in Office Support • 121
College Credit Division • 20, 61
College Credit Certificate in Child Care Center Management • 108
College Credit Certificate in Child Development Early Intervention • 108
College Credit Certificate in Office Management • 122
College Credit Certificate in Office Specialist • 122
College Credit Certificate in Office Support • 121
College Credit Division • 20, 61
COLLEGE OF CENTRAL FLORIDA • 1
College of Central Florida/Foundation Scholarships and Talent Grants • 84
College Preparatory (Remedial) Courses • 81
College Preparatory Program — Academic Foundations • 58
College Resources • 88
COM 3120 • 215
Commercial Vehicle Driving • 14, 95, 128
Commercial Vehicle Driving • 14, 95, 128
Community of Scholars • 68
Computer Information Technology • 95, 102
Computer Information Technology — Information Technology Analysis • 103
Computer Information Technology — Information Technology Support Specialist • 103
Conference Services • 90
Computer Information Technology — Information Technology Support Specialist • 103
Cooperative Education Program • 139
COP 1332 • 155
COP 2250 • 156
Correctional Officer • 14, 95, 128
Correctional Officer • 14, 95, 128
Correspondence and Extension Courses • 36
COS 0001 • 209
COS 0080 • 210
COS 0081 • 210
COS 0082 • 210
COS 0320 • 210
COS 0400 • 210
COS 0500 • 210
COS 0644 • 210
COS 0700 • 210
COS 0870 • 210
Cosmetology • 95, 129
Course Classification • 140
Course Descriptions • 140, 142
Courses at Nonregionally Accredited Institutions • 142
CPO 2001 • 156
Credit for Certified Professional Secretary Examination • 37
Credit for Correctional Officer Training School • 36
Credit for Law Enforcement Officer Training School • 37
Credit for MCSE Certification • 36
Credit for Networking + Certification • 36
Credit for Server + Certification • 36
Criminal Justice Students • 23
Criminal Justice Technology • 23, 95, 104
CRW 2001 • 156
CRW 2002 • 156
CSP 0006 • 211
CSP 0010 • 211
CTS 2120 • 156
CTS 2134 • 156
CTS 2136 • 156
CTS 2142 • 156
CTS 2143 • 156
D
DAA 1000 • 157
DAA 1100 • 157
DAA 1200 • 157
DAA 1201 • 157
DAA 1680 • 157
DANTES Policy • 33
DEA 1135 • 157
DEA 1151 • 157
DEA 1805L • 157
DEA 1806L • 157
DEA 1855L • 157
DEA 1856 • 158
DEA 1856L • 158
DEA 2033 • 158
Definition of an Award Year • 81
Degree-Seeking Students • 23
Dental Assisting • 14, 95, 125
Dental Assisting Technology and Management • 95, 104
DEP 2004 • 158
DES 1020 • 158
DES 1029 • 158
DES 1030 • 158
DES 1051 • 158
DES 1100 • 158
DES 1100L • 158
DES 1200 • 159
DES 1200L • 159
DES 1502 • 159
DES 1600 • 159
DES 1800 • 159
DES 1806L • 159
DES 1840 • 159
DES 2832C • 159
DIG 2000 • 159
DIG 2109C • 159
DIG 2280C • 160
DIG 2500 • 160
Directory • 221
District Board of Trustees • 221
Drafting and Design Technology • 95, 105
Drafting and Design Technology — Architectural • 105
Drafting and Design Technology — Drafting • 107
Drafting and Design Technology — Mechanical • 106
Dreamkeepers • 91
Drug-Free Campus and Workplace • 50
DSC 1212 • 160
DSC 3079 • 215
DSC 3215 • 215
DSC 4013 • 216
DSC 4226 • 216
DSC 4755 • 216
DSC 4931 • 216
Dual Enrollment • 22
Early Admission • 22
Early Alert Referral Program • 90
Early Childhood Education • 95, 107
Earning Credit While Suspended • 63
ECO 2013 • 161
ECO 2023 • 161
EDF 2005 • 161
EDF 2085 • 161
EDG 1413C • 161
EDG 4410 • 216
EDP 2002 • 161
EDP 4503 • 216
Educational Programs and Services • 15
Educational Trusts • 47
Educator Preparation Institute • 94, 137
EEC 1000 • 161
EEC 1603 • 162
EEC 1907 • 162
EEC 1921 • 162
EEC 1931 • 162
EEC 1940 • 162
EEC 2001 • 162
EEC 2200 • 162
EEC 2300 • 162
EEC 2401 • 162
EEC 3400 • 216
EEC 4219 • 216
EEC 4301 • 216
EEC 4404 • 217
EEC 4624 • 217
EEC 4940 • 217
EET 1084 • 162
EEG 2010 • 162
EEG 4201 • 217
EEX 2010 • 162
EEX 4201 • 217
Equine Studies — Equine Assistant Management • 113
Equine Studies — Equine Exercise Physiology • 112
ESC 1000 • 166
ESC 1000L • 166
ESC 1200C • 166
Establishing Residency • 24
ETD 2320C • 167
ETD 2350C • 167
ETD 2355C • 167
ETD 2461 • 167
ETD 2540C • 167
ETD 2730 • 167
ETD 2801C • 167
ETI 1117 • 167
ETI 1151 • 167
ETI 1411 • 167
ETI 1622 • 167
ETI 1628 • 168
ETI 1720C • 168
ETI 2610 • 168
ETI 2623 • 168
EUP 1500 • 168
EUP 1500L • 168
EUP 1501 • 168
EUP 1510 • 168
EUP 1520 • 168
EUP 1930 • 169
EUP 2410 • 169
Example of Course Identifier • 140
Exceptions to the General Rule for Equivalency • 141
Excess Hours Advisory Statement • 38
Experiential Learning • 35

F
Faculty • 221
Fall 2012 • 6
Federal Pell Grant • 83
Federal Supplemental Educational Opportunity Grant • 83
Federal Work Study • 85
Fee Waivers and Exemptions • 78
Fees and Refunds • 69
FFP 1000 • 169
FFP 1302 • 169
FFP 1505 • 169
FFP 1510 • 169
FFP 1540 • 169
FFP 2111 • 169
FFP 2120 • 169
FFP 2301 • 169
FFP 2521 • 170
FFP 2604 • 170
FFP 2610 • 170
FFP 2720 • 170
FFP 2740 • 170
FFP 2770 • 170
FFP 2780 • 170
FFP 2810 • 170
FFP 2811 • 171
FIL 2000 • 171
FIN 2100 • 171
Final Grades • 66
Financial Aid Application Instructions • 82
Financial Aid Programs Available • 83
Financial Information • 69
Fire Science Technology • 14, 95, 113
Florida Bright Futures Scholarship Program • 84
Florida Education and Training Placement Information Program and Gainful Employment Data • 94
Florida Prepaid Tuition Plan • 78
Florida State Employee Fee Waivers • 78
Florida Student Assistance Grant • 83
Florida’s Statewide Course Numbering System • 140
Focus Student Development Learning Outcomes • 40
Food Services • 90
Foundation Funded Programs • 45
FRE 1120 • 171
FRE 1121 • 171
FSAG-CE • 84

G
GCO 1400C • 171
GCO 1403 • 171
GCO 1930 • 171
GCO 1942 • 171
GCO 2632 • 171
GEA 2000 • 171
GEB 1011 • 171
GEB 2350 • 172
GEB 2430 • 172
GEB 2935 • 172
GEB 4891 • 218
General Admission • 59
General College Fees • 69
General Courses • 142
General Education Common Core • 52, 60
General Education Core
A Statement of Purpose • 52
General Education Course Requirement • 54, 57, 94
General Electives • 56
General Eligibility Requirements • 80
General Information • 40
General Rule for Course Equivalencies • 141
GLY 1102 • 172
GLY 2010C • 172
Grade Appeal Process Guidelines • 66
Grade Forgiveness Policy • 23, 66
Grade Point Average • 64
Grade Point Deficit • 61
Grading Scale • 65, 137
Grading System • 64
Graduation • 67
Graduation Requirements • 67
Grants • 83
Guiding Principles and Major Directions • 4

H
Hampton Center • 17
Health Information Technology • 14, 95, 114
Health Services • 90
Hepatitis B/Meningitis Awareness • 51
High School and Transfer Students • 21
HIM 1430 • 172
HIM 1453C • 172
HIM 1454C • 172
HIM 1800 • 172
HIM 1949 • 173, 174
HIM 2012 • 173
HIM 2201 • 173
HIM 2211 • 173
HIM 2214 • 173
HIM 2234 • 173
HIM 2253 • 173
HIM 2260 • 173
HIM 2442 • 174
HIM 2510 • 174
HIM 2722 • 174
HIM 2723 • 174
HIM 2949 • 174
HIS 2955 • 174
History • 14
HLP 1081 • 174
HLP 1082 • 174
Honors Programs • 68, 84
Honors Recognition • 68
Hours of Operation • 10
HSA 3111 • 218
HSA 3170 • 218
HSA 3340 • 218
HSA 4110 • 218
HSA 4421 • 218
HSA 4922 • 218
HSC 1562 • 174
HSC 2140 • 174
HSC 2400 • 174
HSC 2531 • 175
HSC 2654 • 175
HSC 3652 • 178
HUM 1020 • 175
HUM 1020H • 175
HUM 1210 • 175
HUM 1230 • 175
HUM 2310 • 175
HUM 2310H • 175
HUM 2418 • 175
HUM 2450 • 175
HUM 2520 • 175
HUM 2532 • 175
HUM 2532H • 176
HUM 2930 • 176
HUN 1201 • 176
HUS 1001 • 58, 176
HUS 1111 • 176
HUS 1551 • 176
HUS 2540 • 176
HUS 2541 • 176
HUS 2542 • 177
I
I Grades • 65
IB Policy • 34
ID Cards • 47
IDS 1307 • 177
Important Information for Students, Employees and Guests • 18
INR 2002 • 177
Institutional Need Grant • 84
International Students • 16, 21, 22
ISC 1004 • 177
ISM 3011 • 218
ISM 3113 • 218
ISM 3930 • 219
ISM 4212 • 219
ISM 4233 • 219
ISM 4330 • 219
ISM 4382 • 219
ISS 1013 • 177
ISS 2930 • 177
ISS 2936 • 177
J
JOU 2100 • 177
JOU 2901 • 177
JOU 2902 • 177
JOU 2903 • 178
L
Laboratory Fees • 74
LAE 4416 • 219
LAE 2400 • 178
Landscape and Horticulture Technology • 95, 114
Landscape and Horticulture Technology — Horticulture Specialization • 114
Landscape and Horticulture Technology — Horticulture Technician • 115
Landscape and Horticulture Technology — Landscape Design Option • 115
Landscape and Horticulture Technology — Landscape Technician • 116
Law Enforcement Officer • 14, 23, 95, 129
Learning Outcomes • 40
Learning Resources Centers • 91
Learning Support Centers • 88
Learning Theme at CF • 40
Levy Center • 17
LIN 2740 • 178
LIS 1002 • 178
LIS 2004 • 178
LIT 2110 • 178
LIT 2120 • 178
LIT 2330 • 178
Lost and Found • 47
M
MAC 1105 • 178
MAC 1105L • 178
MAC 1114 • 179
MAC 1140 • 179
MAC 1147 • 179
MAC 2233 • 179
MAC 2311 • 179
MAC 2312 • 179
MAC 2313 • 179
MAE 2801 • 179
MAN 2021 • 179
MAN 2300 • 179
MAN 3240 • 219
MAN 3303 • 219
MAN 3860 • 219
MAN 4162 • 219
MAN 4301 • 220
MAN 4900 • 220
MAN 4940 • 220
MAP 2302 • 180
MAR 2011 • 180
MAR 3802 • 220
MAT 0990 • 180
MAT 1033 • 180
MCE 2010C • 180
MTE 1010C • 180
MGF 1106 • 180
MGF 1107 • 180
MGF 1108 • 180
Military Honoree Tuition Waiver • 79
Mission Statement • 4
MKA 2021 • 181
MMC 1000 • 181
MMC 1101 • 181
MNA 2141 • 181
MSL 1001C • 181
MSL 1002C • 181
MSL 2101C • 181
MSL 2102C • 181
MTB 1321 • 181
MUC 1101 • 182
MUC 1102 • 182
MUE 2040 • 182
MUE 2450 • 182
MUL 1010 • 182
MUN 1012 • 182
MUN 1270 • 182
MUN 1310 • 182
MUN 1340 • 182
MUN 1410 • 182
MUN 1420 • 182
MUN 1430 • 182
MUN 1710 • 183
MUN 1770 • 183
MUT 1001 • 183
MUT 1111 • 183
MUT 1112 • 183
MUT 1241 • 183
MUT 1242 • 183
Index
Index

N
NUR 1003 • 118, 185, 187
NUR 1004C • 185
NUR 1011 • 185
NUR 1012 • 185
NUR 1024C • 185
NUR 1142 • 186
NUR 1210C • 186
NUR 1730C • 186
NUR 1830 • 187
NUR 2713C • 187
NUR 2732C • 187
NUR 2734C • 187
NUR 2751C • 187
NUR 2752C • 187
Nursing • 14, 95, 116
Nursing — Associate Degree • 116
Nursing — Licensed Practical Nurse to Associate Degree Nursing Bridge • 14, 118

O
Ocala Campus Map • 233
OCB 1630 • 188
OCE 1001 • 188
Office Administration • 95, 119
Office Administration — Legal Office Specialization • 119
Office Administration — Medical Office Administration • 119
Office Administration — Office Management • 120
Office Administration — Office Software Applications • 121
ORH 1000C • 188
ORH 1020C • 188
ORH 1113C • 188
ORH 1234C • 188
ORH 1260 • 188
ORH 1260L • 188
ORH 1301C • 188
ORH 1510 • 188
ORH 1601C • 188
ORH 1851 • 189
ORH 1851L • 189
ORH 1872C • 189
ORH 2832C • 189
ORH 2840C • 189
OST 1100 • 189
OST 1110 • 189
OST 1384 • 189
OST 2335 • 189
OST 2401 • 189
OST 2402 • 189
OST 2717 • 190
Other Employment • 85
Other Scholarships Offered by the Florida Department of Education • 85
Outside Private Scholarships • 85

P
Paralegal • 95, 122
Parent Loan for Undergraduate Students • 86
Parking • 47
Payment of Financial Aid • 81
PCB 1431C • 190
PCB 1432C • 190
PCB 1433C • 190
PCB 1434C • 190
PCB 1440C • 190
PCB 1448C • 190
PCB 1449C • 190
PCB 1450C • 191
PEL 1011 • 191
PEL 1012 • 191
PEL 2013 • 191
PEL 2014 • 191
PEM 1101 • 191
PEM 1141 • 191
PEM 1142 • 191
PEO 1004 • 191
PEO 2121 • 191
PEO 2621 • 191
PET 1000 • 191
PET 2622C • 191
Petition to Withdraw with a Refund • 67
Petitions, Grievances and Academic Review • 24, 67
PGY 1401C • 192
PHH 2403 • 192
PHI 1100 • 192
PHI 2010 • 192
PHI 2600 • 192
PHI 2631 • 192
PHT 1000 • 192
PHT 1014 • 192
PHT 1130C • 192
PHT 1175C • 192
PHT 1210C • 193
PHT 1212C • 193
PHT 1225C • 193
PHT 1300 • 193
PHT 1801L • 193
PHT 1802L • 193
PHT 2162C • 193
PHT 2227C • 193
PHT 2342 • 193
PHT 2810 • 193
PHT 2820 • 194
PHT 2931 • 194
PHY 1001 • 194
PHY 1020 • 194
PHY 1053C • 194
PHY 1054C • 194
PHY 2048C • 194
PHY 2049C • 194
Physical Therapist Assistant • 14, 95, 123
PLA 1003 • 194
PLA 1104 • 195
PLA 2114 • 195
PLA 2201 • 195
PLA 2273 • 195
PLA 2600 • 195
PLA 2610 • 195
PLA 2800 • 195
PMT 1002 • 211
PMT 1011 • 211
PMT 1012 • 211
PMT 1031 • 211
PMT 1034 • 211
PMT 1061 • 211
PMT 0930L • 211
POS 2041 • 195
POS 2112 • 195
Postsecondary Adult Vocational Certificate Programs • 85
Postsecondary Adult Vocational Certificate Programs (PSAV) • 126
Postsecondary Adult Vocational Grant • 84
Postsecondary Adult Vocational Programs • 88
Practical Nursing • 14, 95, 130
President's Message • 5
PRN 0000C • 211
PRN 0010 • 212
PRN 0020 • 212
PRN 0030 • 212
PRN 0031 • 212
PRN 0040 • 212
PRN 0070 • 212
PRN 0100 • 212
PRN 0110 • 212
PRN 0381C • 213
PRN 0382C • 213
PRN 0500 • 213
Program Admission • 59
Programs • 88
Programs of Study • 94
Provisions for Appeal • 64
PSY 2012 • 195
PSY 2012H • 196
PSY 2930 • 196
Purpose of Financial Aid • 80

Q
QMB 1001 • 96, 97, 98, 99, 100, 101, 102, 103, 105, 107, 112, 114, 115, 116, 119, 120, 121, 122, 123, 162, 173, 196
Index

R
Radiography (In Cooperation with CTAE) • 95, 124
REA 0007 • 196
REA 0017 • 196
RED 1010 • 196
Refund Policy • 79
Registration • 37
REL 2124 • 196
REL 2210 • 196
REL 2240 • 196
REL 2300 • 196
REL 2300H • 197
Religious Holiday Observance • 47
Residency Requirements • 24
Rights and Responsibilities of the Financial Aid Recipient • 87
RTE 1000 • 197
RTE 1418C • 197
RTE 1457C • 197
RTE 1503C • 197
RTE 1513C • 197
RTE 1523C • 197
RTE 1804 • 197
RTE 1814 • 198
RTE 1824 • 198
RTE 2061 • 198
RTE 2385C • 198
RTE 2613 • 198
RTE 2623 • 198
RTE 2782 • 198
RTE 2834 • 198
RTE 2844 • 198
RTE 2854 • 198
RTE 2864 • 199

S
Satisfactory Academic Progress for Financial Aid Purposes • 81
SBM 2000 • 199
Scheduling of Classes • 38
Senior Institute/RSVP • 88
Servicemember’s Opportunity College • 23, 36
Services • 88
Sexual Offenders on Campus • 47
SLS 0341 • 213
SLS 1301 • 199
SLS 1501 • 199
SLS 1502 • 199
SLS 1503 • 199
SLS 2261 • 199
Social Security Number Collection, Usage and Release • 48
SOW 1031 • 199
SPC 2300 • 199
SPC 2594 • 199
SPC 2601 • 200
SPC 2608 • 200
SPC 2608H • 200
Special Fees and Charges • 47, 70, 88
Special Requirements • 23
Special Short Courses, Seminars, Institutes and Workshops • 78
SPN 1120 • 200
SPN 1121 • 200
SPN 2220 • 200
SPN 2221 • 200
Spring 2012 • 7
STA 2023 • 200
STA 2023H • 200
STEPS, Scholarships Taking Elementary Promising Students to CF • 45
STS 0003 • 213
STS 0810 • 213
STS 0820 • 214
Student Advising • 89
Student Assistance Program • 91
Student Financial Aid • 80
Student Privacy • 48
Student Support Services • 92
Subsidized Stafford Loan • 86
Substitutions for Eligible Students with Disabilities • 21
Summer 2012 • 8
Support Services Summer Program • 92
Surgical Technology • 14, 95, 131
Suspended Students • 24
SYG 2000 • 201
SYG 2340 • 201
SYG 2430 • 201

T
TAX 2000 • 201
TAX 2010 • 201
Telephone Directory • 12
Testing Information • 27
THE 1000 • 201
THE 1925 • 201
THE 2925 • 201
THE 2927 • 201
The Course Prefix • 141
The Educational Opportunity Center • 92
The Office of Student Life • 92
Third-Party Authorization/Florida Prepaid Program • 78
Time Requirements • 50
TPA 1200C • 201
TPA 1290 • 201
TPA 2070 • 202
TPA 2212 • 202
TPA 2220 • 202
TPA 2232 • 202
TTP 2100 • 202
TTP 2111 • 202
TRA 0081 • 214
Transfer Students • 24
Transferring to CF with Grade Points • 63
Transient Students • 24

U
University (Transfer) Admission Appeals • 60
Unsatisfactory Attendance in Vocational Programs • 50
Unsubsidized Stafford Loan • 86

V
VA Deferments • 49
VA Grades • 50
VA Standards of Progress • 50
Veterans • 64
Veterans Information • 49, 64
Vision Statement • 4
Vocational Courses • 203

W
William D. Ford Federal Direct Loans • 85
Withdrawal • 66
Withdrawals and Repayment of Title IV Funds • 80
WOH 2012 • 202
WOH 2012H • 202
WOH 2022 • 202
WOH 2022H • 202
Workforce Admissions Procedure • 26
Workforce Certificate Students • 64
Writing Center • 88
WST 2010 • 203