

## About the Program

The Bachelor of Applied Science (B.A.S.) degree in Computer Systems Networking provides the requisite knowledge and skills essential for management of network engineering roles within public and private organizations. For more information about this program, visit [fscj.edu/T200](https://fscj.edu/T200).

FSCJ bachelor's degree programs are part of Florida's 2+2 Program. Learn more at [fldoe.org/core/fileparse.php/3/urlt/pathways\\_to\\_success.pdf](https://fldoe.org/core/fileparse.php/3/urlt/pathways_to_success.pdf).

## Program Requirements

This degree requires a minimum of 120 credit hours including 60 transferrable college credit hours that are completed prior to applying to the program.

This program includes a **Mathematical Thinking in Context math pathway**. This pathway is intended for students in the broadest range of programs of study. In this pathway, students will explore a variety of mathematical concepts utilizing multiple ways of thinking to formulate and solve problems in context.

This program requires a **discipline-related internship** that provides students with meaningful work experience in a chosen career field. Students participate in networking projects outside the classroom to obtain cooperative education work experience. This internship requires fifty hours of on-the-job experience, including fifteen hours that are required off the job site.

## Application Procedure

To meet the minimum requirements for consideration for acceptance to this program, you must satisfy the bachelor's degree general admission requirements.

## Application Deadlines

A bachelor's degree admissions application may be submitted at any time through the term.

## Foreign Language Requirement

Baccalaureate degree-seeking students must meet a foreign language requirement before graduation. Students may fulfill the requirement by completing two college credit courses of the same foreign language or sign language. Courses in American Sign Language, Chinese, French, German, Latin and Spanish may be used to satisfy the foreign language requirement. For alternative options to satisfy the foreign language requirement, please meet with an advisor or visit the Bachelor's Degree page in the college catalog at [catalog.fscj.edu/academics/degree-certificate-programs/bachelors-degrees](https://catalog.fscj.edu/academics/degree-certificate-programs/bachelors-degrees). Courses in American Sign Language, French and Spanish are expected to be scheduled during the 2025-26 College Catalog year.

## Bachelor Degree Graduation Requirements

- ☐ Fulfill all academic requirements for the chosen program of study as outlined in the Florida State College at Jacksonville catalog and curriculum.
- ☐ Earn minimum prescribed semester hours for the selected bachelor's degree with at least a 2.0 (C) on a 4.0 scale for an all-college cumulative grade point average.
- ☐ Earn at least a C in each course used to satisfy the General Education Requirements and any other area designated with a C or higher in each course.
- ☐ Earn a minimum of 25 percent of all credits used to satisfy the baccalaureate degree course requirements from Florida State College at Jacksonville.
- ☐ Fulfill the 36-college credit Florida General Education Requirements.
- ☐ Demonstrate competency in civic literacy by:
  - ☐ Completion of one of three civic literacy courses (AMH 2010, AMH 2020 or POS 2041) with a grade of C or higher, and
  - ☐ Achievement of the standard score on a state-approved assessment.
- ☐ Fulfill the Foreign Language requirement.
- ☐ Fulfill all obligations, financial or otherwise, to the College before graduation.

## Catalog Year

**Students who enter under the 2025-26 catalog** will be assigned to the degree or certificate requirements in effect during the 2025-26 academic year. The student's assigned catalog year will remain in effect as long as the student maintains continuous enrollment. Changes to requirements as mandated by law or by rule of the District Board of Trustees may supersede this provision.

**To maintain continuous enrollment**, a student must have registration for, and successful completion of, at least one course within a three-term period. After three consecutive terms of no enrollment, the student will be discontinued from the current program of study and will need to apply to FSCJ to reenter under the same program of study. Upon readmission, the student will be assigned to the current catalog of record in the chosen program.

## Curriculum: Associate in Arts Pathway

This document has been prepared for students who have been admitted to the Bachelor of Applied Science degree in Computer Systems Networking with **2025-26 College Catalog year**. Prior to enrolling in classes, please **meet with an advisor** for specific guidance about your individual academic degree plan.

**Terms Offered** are subject to change. Please verify course availability at [fscj.edu/schedules](https://fscj.edu/schedules). **A minimum grade of C or higher is required in all General Education and Upper Division coursework.**

### General Education Coursework from A.A. Degree

|                                                                                                                                  |                     |
|----------------------------------------------------------------------------------------------------------------------------------|---------------------|
| <input type="checkbox"/> Communication State Core course, Credit Hours: 3-4. Terms Offered: Fall, Spring, Summer.                | Grade Earned: _____ |
| <input type="checkbox"/> Communication course, Credit Hours: 3. Terms Offered: Fall, Spring, Summer.                             | Grade Earned: _____ |
| <input type="checkbox"/> Communication course, Credit Hours: 3. Terms Offered: Fall, Spring, Summer.                             | Grade Earned: _____ |
| <input type="checkbox"/> Humanities State Core course, Credit Hours: 3. Terms Offered: Fall, Spring, Summer.                     | Grade Earned: _____ |
| <input type="checkbox"/> Humanities course, Credit Hours: 3. Terms Offered: Fall, Spring, Summer.                                | Grade Earned: _____ |
| <input type="checkbox"/> Mathematics State Core course, Credit Hours: 3-5. Terms Offered: Fall, Spring, Summer.                  | Grade Earned: _____ |
| <input type="checkbox"/> Mathematics course, Credit Hours: 3-5. Terms Offered: Fall, Spring, Summer.                             | Grade Earned: _____ |
| <input type="checkbox"/> Natural Sciences State Core course, Credit Hours: 3-4. Terms Offered: Fall, Spring, Summer.             | Grade Earned: _____ |
| <input type="checkbox"/> Natural Sciences course(s), Credit Hours: 3-4. Terms Offered: Fall, Spring, Summer.                     | Grade Earned: _____ |
| <input type="checkbox"/> Social and Behavioral Sciences State Core course, Credit Hours: 3. Terms Offered: Fall, Spring, Summer. | Grade Earned: _____ |
| <input type="checkbox"/> Social and Behavioral Sciences, Credit Hours: 3. Terms Offered: Fall, Spring, Summer.                   | Grade Earned: _____ |
| <input type="checkbox"/> Social and Behavioral Sciences, Credit Hours: 3. Terms Offered: Fall, Spring, Summer.                   | Grade Earned: _____ |

### Lower Division Elective Coursework from A.A. Degree

|                                                                                                                                                                                                                |                     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| <input type="checkbox"/> Lower Division Elective Coursework, Credit Hours: 15.<br>Any associate degree coursework: General Education coursework, Lower Division Elective coursework, Lower Division coursework | Grade Earned: _____ |
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### Sample Roadmap for Lower Division Coursework and Upper Division Coursework

#### Term 1

|                                                                                                                                              |                     |
|----------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| <input type="checkbox"/> CTS 1131C - Hardware Configuration, Credit Hours: 3. Terms Offered: Fall, Spring, Summer.                           | Grade Earned: _____ |
| <input type="checkbox"/> CTS 1133C - Software Configuration, Credit Hours: 3. Terms Offered: Fall, Spring, Summer.                           | Grade Earned: _____ |
| <input type="checkbox"/> ISM 3013 - Introduction to Information Technology Management, Credit Hours: 3. Terms Offered: Fall, Spring, Summer. | Grade Earned: _____ |
| <input type="checkbox"/> CET 2600C - Network Fundamentals (Cisco 1), Credit Hours: 3. Terms Offered: Fall, Spring, Summer.                   | Grade Earned: _____ |
| <input type="checkbox"/> CNT 1015C - Operating Systems Foundations, Credit Hours: 3. Terms Offered: Fall, Spring, Summer.                    | Grade Earned: _____ |

#### Term 2

|                                                                                                                                                   |                     |
|---------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| <input type="checkbox"/> CTS 1334C - Server Configuration, Credit Hours: 4. Terms Offered: Fall, Spring, Summer.                                  | Grade Earned: _____ |
| <input type="checkbox"/> CTS 2655C - Switching, Routing, and Wireless Essentials (Cisco 2), Credit Hours: 4. Terms Offered: Fall, Spring, Summer. | Grade Earned: _____ |
| <input type="checkbox"/> CTS 1120C - Fundamentals of Information Security, Credit Hours: 3. Terms Offered: Fall, Spring, Summer.                  | Grade Earned: _____ |
| <input type="checkbox"/> CTS 1154C - Technical Support, Credit Hours: 3. Terms Offered: Fall, Spring, Summer.                                     | Grade Earned: _____ |

#### Term 3

|                                                                                                                                                       |                     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| <input type="checkbox"/> CIS 3534C - Scripting for Network Professionals, Credit Hours: 4. Terms Offered: Fall, Spring, Summer.                       | Grade Earned: _____ |
| <input type="checkbox"/> CNT 4708C - Advanced Network Traffic Analysis, Credit Hours: 4. Terms Offered: Fall, Spring, Summer.                         | Grade Earned: _____ |
| <input type="checkbox"/> CNT 3014C - Enterprise Systems Integration, Credit Hours: 4. Terms Offered: Fall, Spring, Summer.                            | Grade Earned: _____ |
| <input type="checkbox"/> CNT 2102C - Enterprise Networking, Security, and Automation (Cisco 3), Credit Hours: 4. Terms Offered: Fall, Spring, Summer. | Grade Earned: _____ |

#### Term 4

|                                                                                                                                                    |                     |
|----------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| <input type="checkbox"/> CNT 3105C - Software Defined Networking, Credit Hours: 3. Terms Offered: Fall, Spring, Summer.                            | Grade Earned: _____ |
| <input type="checkbox"/> ISM 3014 - Service Support Management, Credit Hours: 4. Terms Offered: Fall, Spring, Summer.                              | Grade Earned: _____ |
| <input type="checkbox"/> CNT 4509C - Advanced Convergent Technologies, Credit Hours: 4. Terms Offered: Fall, Spring, Summer.                       | Grade Earned: _____ |
| <input type="checkbox"/> CTS 2370C - Virtual Infrastructure: Installation and Configuration, Credit Hours: 4. Terms Offered: Fall, Spring, Summer. | Grade Earned: _____ |

#### Term 5

|                                                                                                                                              |                     |
|----------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| <input type="checkbox"/> ISM 4220C - Network Management for Information Professionals, Credit Hours: 3. Terms Offered: Fall, Spring, Summer. | Grade Earned: _____ |
| <input type="checkbox"/> CNT 3403C - Firewall Configuration and Design, Credit Hours: 3. Terms Offered: Fall, Spring, Summer.                | Grade Earned: _____ |
| <input type="checkbox"/> CNT 4940 - Cooperative Education (Internship), Credit Hours: 2. Terms Offered: Fall, Spring, Summer.                | Grade Earned: _____ |
| <input type="checkbox"/> CNT 4931C - Computer Networking Capstone, Credit Hours: 4. Terms Offered: Fall, Spring, Summer.                     | Grade Earned: _____ |

## Curriculum: Associate in Science Pathway

This document has been prepared for students who have been admitted to the Bachelor of Applied Science degree in Computer Systems Networking with 2025-26 College Catalog year. Prior to enrolling in classes, please **meet with an advisor** for specific guidance about your individual academic degree plan.

**Terms Offered** are subject to change. Please verify course availability at [fscj.edu/schedules](https://fscj.edu/schedules). **General Education and Upper Division coursework must be completed with a minimum grade of C or higher.**

### General Education Coursework from A.S. Degree

The credits below are from the student's A.S. degree. **Additional General Education course requirements are listed in the sample roadmap below.**

- |                                                                                                                                                 |                     |
|-------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| <input type="checkbox"/> <b>Communication State Core course</b> , Credit Hours: 3-4. <b>Terms Offered:</b> Fall, Spring, Summer.                | Grade Earned: _____ |
| <input type="checkbox"/> <b>Humanities State Core course</b> , Credit Hours: 3. <b>Terms Offered:</b> Fall, Spring, Summer.                     | Grade Earned: _____ |
| <input type="checkbox"/> <b>Mathematics State Core course</b> , Credit Hours: 3-5. <b>Terms Offered:</b> Fall, Spring, Summer.                  | Grade Earned: _____ |
| <input type="checkbox"/> <b>Natural Sciences State Core course</b> , Credit Hours: 3-4. <b>Terms Offered:</b> Fall, Spring, Summer.             | Grade Earned: _____ |
| <input type="checkbox"/> <b>Social and Behavioral Sciences State Core course</b> , Credit Hours: 3. <b>Terms Offered:</b> Fall, Spring, Summer. | Grade Earned: _____ |

### Lower Division Coursework

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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| <input type="checkbox"/> <b>CET 2600C - Network Fundamentals (Cisco 1)</b> , Credit Hours: 3. <b>Terms Offered:</b> Fall, Spring, Summer.                            | Grade Earned: _____ |
| <input type="checkbox"/> <b>CNT 1015C - Operating Systems Foundations</b> , Credit Hours: 3. <b>Terms Offered:</b> Fall, Spring, Summer.                             | Grade Earned: _____ |
| <input type="checkbox"/> <b>CNT 2102C - Enterprise Networking, Security, and Automation (Cisco 3)</b> , Credit Hours: 4. <b>Terms Offered:</b> Fall, Spring, Summer. | Grade Earned: _____ |
| <input type="checkbox"/> <b>CTS 1120C - Fundamentals of Information Security</b> , Credit Hours: 3. <b>Terms Offered:</b> Fall, Spring, Summer.                      | Grade Earned: _____ |
| <input type="checkbox"/> <b>CTS 1131C - Hardware Configuration</b> , Credit Hours: 3. <b>Terms Offered:</b> Fall, Spring, Summer.                                    | Grade Earned: _____ |
| <input type="checkbox"/> <b>CTS 1133C - Software Configuration</b> , Credit Hours: 3. <b>Terms Offered:</b> Fall, Spring, Summer.                                    | Grade Earned: _____ |
| <input type="checkbox"/> <b>CTS 1154C - Technical Support</b> , Credit Hours: 3. <b>Terms Offered:</b> Fall, Spring, Summer.                                         | Grade Earned: _____ |
| <input type="checkbox"/> <b>CTS 1334C - Server Configuration</b> , Credit Hours: 4. <b>Terms Offered:</b> Fall, Spring, Summer.                                      | Grade Earned: _____ |
| <input type="checkbox"/> <b>CTS 2370C - Virtual Infrastructure: Installation and Configuration</b> , Credit Hours: 4. <b>Terms Offered:</b> Fall, Spring, Summer.    | Grade Earned: _____ |
| <input type="checkbox"/> <b>CTS 2655C - Switching, Routing, and Wireless Essentials (Cisco 2)</b> , Credit Hours: 4. <b>Terms Offered:</b> Fall, Spring, Summer.     | Grade Earned: _____ |

### Lower Division Elective Coursework from A.S. Degree

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|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <input type="checkbox"/> <b>Lower Division Elective Coursework</b> , Credit Hours: 15. <i>Any associate degree coursework may be used to satisfy this requirement.</i> |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|

### Sample Roadmap for Upper Division and Additional General Education Coursework

#### Term 1

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|-------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| <input type="checkbox"/> <b>CIS 3534C - Scripting for Network Professionals</b> , Credit Hours: 4. <b>Terms Offered:</b> Fall, Spring, Summer.              | Grade Earned: _____ |
| <input type="checkbox"/> <b>ISM 3013 - Introduction to Information Technology Management</b> , Credit Hours: 3. <b>Terms Offered:</b> Fall, Spring, Summer. | Grade Earned: _____ |
| <input type="checkbox"/> <b>CNT 4708C - Advanced Network Traffic Analysis</b> , Credit Hours: 4. <b>Terms Offered:</b> Fall, Spring, Summer.                | Grade Earned: _____ |
| <input type="checkbox"/> <b>Communication course</b> , Credit Hours: 3. <b>Terms Offered:</b> Fall, Spring, Summer.                                         | Grade Earned: _____ |

#### Term 2

- |                                                                                                                                           |                     |
|-------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| <input type="checkbox"/> <b>Communication course</b> , Credit Hours: 3. <b>Terms Offered:</b> Fall, Spring, Summer.                       | Grade Earned: _____ |
| <input type="checkbox"/> <b>Mathematics course</b> , Credit Hours: 3-5. <b>Terms Offered:</b> Fall, Spring, Summer.                       | Grade Earned: _____ |
| <input type="checkbox"/> <b>CNT 3014C - Enterprise Systems Integration</b> , Credit Hours: 4. <b>Terms Offered:</b> Fall, Spring, Summer. | Grade Earned: _____ |
| <input type="checkbox"/> <b>CNT 3105C - Software Defined Networking</b> , Credit Hours: 3. <b>Terms Offered:</b> Fall, Spring, Summer.    | Grade Earned: _____ |

#### Term 3

- |                                                                                                                                                             |                     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| <input type="checkbox"/> <b>Natural Sciences course(s)</b> , Credit Hours: 3-4. <b>Terms Offered:</b> Fall, Spring, Summer.                                 | Grade Earned: _____ |
| <input type="checkbox"/> <b>Social and Behavioral Sciences course</b> , Credit Hours: 3. <b>Terms Offered:</b> Fall, Spring, Summer.                        | Grade Earned: _____ |
| <input type="checkbox"/> <b>ISM 4220C - Network Management for Information Professionals</b> , Credit Hours: 3. <b>Terms Offered:</b> Fall, Spring, Summer. | Grade Earned: _____ |
| <input type="checkbox"/> <b>CNT 3403C - Firewall Configuration and Design</b> , Credit Hours: 3. <b>Terms Offered:</b> Fall, Spring, Summer.                | Grade Earned: _____ |

#### Term 4

- |                                                                                                                                             |                     |
|---------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| <input type="checkbox"/> <b>Humanities course</b> , Credit Hours: 3. <b>Terms Offered:</b> Fall, Spring, Summer.                            | Grade Earned: _____ |
| <input type="checkbox"/> <b>Social and Behavioral Sciences course</b> , Credit Hours: 3. <b>Terms Offered:</b> Fall, Spring, Summer.        | Grade Earned: _____ |
| <input type="checkbox"/> <b>ISM 3014 - Service Support Management</b> , Credit Hours: 4. <b>Terms Offered:</b> Fall, Spring, Summer.        | Grade Earned: _____ |
| <input type="checkbox"/> <b>CNT 4509C - Advanced Convergent Technologies</b> , Credit Hours: 4. <b>Terms Offered:</b> Fall, Spring, Summer. | Grade Earned: _____ |

#### Term 5

- |                                                                                                                                              |                     |
|----------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| <input type="checkbox"/> <b>CNT 4940 - Cooperative Education (Internship)</b> , Credit Hours: 2. <b>Terms Offered:</b> Fall, Spring, Summer. | Grade Earned: _____ |
| <input type="checkbox"/> <b>CNT 4931C - Computer Networking Capstone</b> , Credit Hours: 4. <b>Terms Offered:</b> Fall, Spring, Summer.      | Grade Earned: _____ |

## Course Requirements

Prerequisites, corequisites, and conditions for any course are subject to change. Students must meet the prerequisite and corequisite requirements of any course at the time the student attempts to register for that course. If you have questions about the prerequisites, corequisites, or conditions for a course, please contact any academic advisor.

### General Education Communication Courses

Complete a minimum of 9 credits from the following courses.

**ENC 1101 - English Composition I**, Credit Hours: 3. *State Core course.*

**Note:** Students may select from ENC 1101 or ENC 1101C.

**Prerequisite(s):** Satisfactory score on the placement test for non-exempt students only. **Corequisite(s):** None. **Conditions:** This course fulfills the Gordon Rule writing requirement and must be completed with a grade of C or higher pursuant to State Board of Education Rule 6A-10.030. Effective Spring 2014, students who entered the ninth grade in a Florida public high school in the 2003-2004 school year, or any year thereafter, and earned a standard Florida high school diploma, or students who are serving as active duty members in any branch of the United States Armed Services, will not be required to take the common placement test (P.E.R.T.) or to enroll in developmental education at any Florida College System institution, including Florida State College at Jacksonville (per Senate Bill 1720, State Board Rule 6A-10.0315). These students shall be considered exempt from common placement testing and developmental education instruction, and may accordingly enroll directly in ENC 1101 or ENC 1101C. For placement in any communications course beyond ENC 1101 or ENC 1101C, exempt students will be required to take the common placement test. Effective Fall 2022, students who earn a grade of C or higher will be automatically awarded the digital badge in Fundamentals of Written Communication. **Terms Offered:** Fall, Spring, Summer.

**ENC 1101C - English Composition I Enhanced**, Credit Hours: 4. *State Core course.* **Note:** Students may select from ENC 1101 or ENC 1101C.

**Prerequisite(s):** Satisfactory score on the placement test for non-exempt students only. **Corequisite(s):** None. **Conditions:** This course fulfills category A of students' General Education requirements in Communications. The additional one-credit hour of supplemental instruction and practice will appear as an Associate in Arts elective on students' college transcripts. This course fulfills the Gordon Rule writing requirement and must be completed with a grade of C or higher pursuant to State Board of Education Rule 6A-10.030. Effective Spring 2014, students who entered the ninth grade in a Florida public high school in the 2003-2004 school year, or any year thereafter, and earned a standard Florida high school diploma, or students who are serving as active duty members in any branch of the United States Armed Services, will not be required to take the common placement test (P.E.R.T.) or to enroll in developmental education at any Florida College System institution, including Florida State College at Jacksonville (per Senate Bill 1720, State Board Rule 6A-10.0315). These students shall be considered exempt from common placement testing and developmental education instruction and may accordingly enroll directly in ENC 1101 or ENC 1101C. For enrollment in any communications course beyond ENC 1101/ENC 1101C, exempt students will be required to take the common placement test. This course is recommended for Associate in Arts degree seeking students. Associate in Science degree seeking students are advised to take ENC 1101 to avoid concerns regarding financial aid and excess hour surcharges. Effective Fall 2022, students who earn a grade of C or higher will be automatically awarded the digital badge in Fundamentals of Written Communication. **Terms Offered:** Fall, Spring, Summer.

**ENC 1102 - Writing About Texts**, Credit Hours: 3. **Prerequisite(s):** ENC 1101 or ENC 1101C each with a grade of C or higher. **Corequisite(s):** None.

**Conditions:** This course fulfills the Gordon Rule writing requirement and must be completed with a grade of C or higher pursuant to State Board of Education Rule 6A-10.030. **Terms Offered:** Fall, Spring, Summer.

**SPC 2017 - Introduction to Speech Communications**, Credit Hours: 3.

**Prerequisite(s):** ENC 1101 or ENC 1101C each with a grade of C or higher.

**Corequisite(s):** None. **Conditions:** None. **Terms Offered:** Fall, Spring, Summer.

**SPC 2065 - Speech Communication for Business and the Professions**, Credit Hours: 3. **Prerequisite(s):** ENC 1101 or ENC 1101C each with a grade of C or higher. **Corequisite(s):** None. **Conditions:** None. **Terms Offered:** Fall, Spring, Summer.

**SPC 2608 - Fundamentals of Public Speaking**, Credit Hours: 3.

**Prerequisite(s):** ENC 1101 or ENC 1101C each with a grade of C or higher.

**Corequisite(s):** None. **Conditions:** None. **Terms Offered:** Fall, Spring, Summer.

### General Education Humanities Courses

Complete 6 credits from the following courses.

**AML 2010 - Early American Literature: Colonial Times to the Civil War**, Credit Hours: 3. **Prerequisite(s):** ENC 1101 or ENC 1101C each with a grade of C or higher. **Corequisite(s):** None. **Conditions:** This course fulfills the Gordon Rule writing requirement and must be completed with a grade of C or higher pursuant to State Board of Education Rule 6A-10.030. **Terms Offered:** Fall, Spring.

**AML 2020 - Late American Literature: The Civil War to the Present**, Credit Hours: 3. **Prerequisite(s):** ENC 1101 or ENC 1101C each with a grade of C or higher. **Corequisite(s):** None. **Conditions:** This course fulfills the Gordon Rule writing requirement and must be completed with a grade of C or higher pursuant to State Board of Education Rule 6A-10.030. **Terms Offered:** Fall, Spring, Summer.

**ARH 2000 - Art in the Humanities**, Credit Hours: 3. *State Core course.*

**Prerequisite(s):** Qualify for enrollment in ENC 1101. **Corequisite(s):** None.

**Conditions:** This course fulfills the Gordon Rule writing requirement and must be completed with a grade of C or higher pursuant to State Board of Education Rule 6A-10.030. **Terms Offered:** Fall, Spring, Summer.

**ARH 2050 - Art History from Prehistory to 15th Century**, Credit Hours: 3.

**Prerequisite(s):** Qualify for enrollment in ENC 1101. **Corequisite(s):** None.

**Conditions:** This course fulfills the Gordon Rule writing requirement and must be completed with a grade of C or higher pursuant to State Board of Education Rule 6A-10.030. **Terms Offered:** Fall, Spring, Summer.

**ARH 2051 - Art History from 15th to 21st Century**, Credit Hours: 3.

**Prerequisite(s):** Qualify for enrollment in ENC 1101. **Corequisite(s):** None.

**Conditions:** This course fulfills the Gordon Rule writing requirement and must be completed with a grade of C or higher pursuant to State Board of Education Rule 6A-10.030. **Terms Offered:** Fall, Spring, Summer.

**DAN 2100 - Dance in the Humanities**, Credit Hours: 3. **Prerequisite(s):** Qualify for enrollment in ENC 1101. **Corequisite(s):** None. **Conditions:** This course fulfills the Gordon Rule writing requirement and must be completed with a grade of C or higher pursuant to State Board of Education Rule 6A-10.030. **Terms Offered:** Fall, Spring, Summer.

**ENG 2100 - Film Studies**, Credit Hours: 3. **Prerequisite(s):** Qualify for enrollment in ENC 1101. **Corequisite(s):** None. **Conditions:** This course fulfills the Gordon Rule writing requirement and must be completed with a grade of C or higher pursuant to State Board of Education Rule 6A-10.030. **Terms Offered:** Fall, Spring, Summer.

**ENL 2012 - English Literature to 1750**, Credit Hours: 3. **Prerequisite(s):** ENC 1101 or ENC 1101C each with a grade of C or higher. **Corequisite(s):** None.

**Conditions:** This course fulfills the Gordon Rule writing requirement and must be completed with a grade of C or higher pursuant to State Board of Education Rule 6A-10.030. **Terms Offered:** TBA.

**ENL 2022 - English Literature Since 1750**, Credit Hours: 3. **Prerequisite(s):** ENC 1101 or ENC 1101C each with a grade of C or higher. **Corequisite(s):** None.

**Conditions:** This course fulfills the Gordon Rule writing requirement and must be completed with a grade of C or higher pursuant to State Board of Education Rule 6A-10.030. **Terms Offered:** Fall, Spring.

**HUM 2020 - Topics in the Humanities**, Credit Hours: 3. *State Core course.*  
**Prerequisite(s):** Qualify for enrollment in ENC 1101. **Corequisite(s):** None.  
**Conditions:** This course fulfills the Gordon Rule writing requirement and must be completed with a grade of C or higher pursuant to State Board of Education Rule 6A-10.030. This course cannot be repeated for General Education or Elective Credit, regardless of the course topic, except for grade forgiveness purposes. **Terms Offered:** Fall, Spring, Summer.

**HUM 2210 - Humanities: Prehistory to the 15th Century**, Credit Hours: 3.  
**Prerequisite(s):** Qualify for enrollment in ENC 1101. **Corequisite(s):** None.  
**Conditions:** This course fulfills the Gordon Rule writing requirement and must be completed with a grade of C or higher pursuant to State Board of Education Rule 6A-10.030. **Terms Offered:** Fall, Spring, Summer.

**HUM 2230 - Humanities: Mainstreams of Cultures, 14th to 19th Century**, Credit Hours: 3. **Prerequisite(s):** Qualify for enrollment in ENC 1101.  
**Corequisite(s):** None. **Conditions:** This course fulfills the Gordon Rule writing requirement and must be completed with a grade of C or higher pursuant to State Board of Education Rule 6A-10.030. **Terms Offered:** Fall, Spring, Summer.

**HUM 2250 - Humanities: 20th & 21st Century Cultural Perspectives**, Credit Hours: 3. **Prerequisite(s):** Qualify for enrollment in ENC 1101.  
**Corequisite(s):** None. **Conditions:** This course fulfills the Gordon Rule writing requirement and must be completed with a grade of C or higher pursuant to State Board of Education Rule 6A-10.030. **Terms Offered:** Fall, Spring, Summer.

**LIT 2000 - Literature in the Humanities**, Credit Hours: 3. *State Core course.*  
**Prerequisite(s):** ENC 1101 or ENC 1101C each with a grade of C or higher.  
**Corequisite(s):** None. **Conditions:** This course fulfills the Gordon Rule writing requirement and must be completed with a grade of C or higher pursuant to State Board of Education Rule 6A-10.030. **Terms Offered:** Fall, Spring, Summer.

**LIT 2100 - Great Ideas in World Literature**, Credit Hours: 3. **Prerequisite(s):** ENC 1101 or ENC 1101C each with a grade of C or higher. **Corequisite(s):** None.  
**Conditions:** This course fulfills the Gordon Rule writing requirement and must be completed with a grade of C or higher pursuant to State Board of Education Rule 6A-10.030. **Terms Offered:** Fall, Spring, Summer.

**MUL 2010 - Music in the Humanities**, Credit Hours: 3. *State Core course.*  
**Prerequisite(s):** Qualify for enrollment in ENC 1101. **Corequisite(s):** None.  
**Conditions:** This course fulfills the Gordon Rule writing requirement and must be completed with a grade of C or higher pursuant to State Board of Education Rule 6A-10.030. **Terms Offered:** Fall, Spring, Summer.

**PHI 2010 - Philosophy in the Humanities**, Credit Hours: 3. *State Core course.*  
**Prerequisite(s):** Qualify for enrollment in ENC 1101. **Corequisite(s):** None.  
**Conditions:** This course fulfills the Gordon Rule writing requirement and must be completed with a grade of C or higher pursuant to State Board of Education Rule 6A-10.030. **Terms Offered:** Fall, Spring, Summer.

**PHI 2600 - Introduction to Ethics**, Credit Hours: 3. **Prerequisite(s):** Qualify for enrollment in ENC 1101. **Corequisite(s):** None. **Conditions:** This course fulfills the Gordon Rule writing requirement and must be completed with a grade of C or higher pursuant to State Board of Education Rule 6A-10.030. **Terms Offered:** Fall, Spring.

**REL 2000 - Religion in the Humanities**, Credit Hours: 3. **Prerequisite(s):** Qualify for enrollment in ENC 1101. **Corequisite(s):** None. **Conditions:** This course fulfills the Gordon Rule writing requirement and must be completed with a grade of C or higher pursuant to State Board of Education Rule 6A-10.030. **Terms Offered:** Fall, Spring, Summer.

**REL 2300 - World Religions**, Credit Hours: 3. **Prerequisite(s):** Qualify for enrollment in ENC 1101. **Corequisite(s):** None. **Conditions:** This course fulfills the Gordon Rule writing requirement and must be completed with a grade of C or higher pursuant to State Board of Education Rule 6A-10.030. **Terms Offered:** Fall, Spring, Summer.

**THE 2000 - Theatre in the Humanities**, Credit Hours: 3. *State Core course.*  
**Prerequisite(s):** Qualify for enrollment in ENC 1101. **Corequisite(s):** None.  
**Conditions:** This course fulfills the Gordon Rule writing requirement and must be completed with a grade of C or higher pursuant to State Board of Education Rule 6A-10.030. **Terms Offered:** Fall, Spring, Summer.

### General Education Mathematics Courses

Complete a minimum of 6 credits from the following courses.

**MAC 1105 - College Algebra**, Credit Hours: 3. *State Core course.* **Note:** Students may select from MAC 1105 or MAC 1105C. **Prerequisite(s):** MAT 1033 with a grade of C or higher or a satisfactory score on the placement test.  
**Corequisite(s):** None. **Conditions:** This course fulfills the Gordon Rule computation requirement and must be completed with a grade of C or higher (pursuant to State Board of Education Rule 6A-10.030). Effective Spring 2014, students who entered the ninth grade in a Florida public high school in the 2003-2004 school year, or any year thereafter, and earned a standard Florida high school diploma, or students who are serving as active duty members in any branch of the United States Armed Services, will not be required to take the common placement test (P.E.R.T.) or to enroll in developmental education at any Florida College System institution, including Florida State College at Jacksonville (per Senate Bill 1720, State Board Rule 6A-10.0315). These students shall be considered exempt from common placement testing and developmental education instruction, and may accordingly enroll directly in MAT 1033 or MGF 1130 or MGF 1131. For placement in any college-credit math course beyond MAT 1033 or MGF 1130 or MGF 1131, exempt students will be required to take the common placement test. This course may require proctored testing at an approved location. Students may be charged testing fees at off-campus and virtual testing locations. For additional information and resources, please see the College's Online Learning website. **Terms Offered:** Fall, Spring, Summer.

**MAC 1105C - College Algebra Enhanced**, Credit Hours: 5. *State Core course.*  
**Note:** Students may select from MAC 1105 or MAC 1105C. **Prerequisite(s):** MAT 1033 with a grade of D or higher or MAC 1105 with a grade of D or lower or a satisfactory score on the placement test. **Corequisite(s):** None. **Conditions:** This course fulfills the Gordon Rule computation requirement and must be completed with a grade of C or higher (pursuant to State Board of Education Rule 6A-10.030). Effective Spring 2014, students who entered the ninth grade in a Florida public high school in the 2003-2004 school year, or any year thereafter, and earned a standard Florida high school diploma, or students who are serving as active duty members in any branch of the United States Armed Services, will not be required to take the common placement test (P.E.R.T.) or to enroll in developmental education at any Florida College System institution, including Florida State College at Jacksonville (per Senate Bill 1720, State Board Rule 6A-10.0315). These students shall be considered exempt from common placement testing and developmental education instruction, and may accordingly enroll directly in MAT 1033 or MGF 1130 or MGF 1131. For placement in any college-credit math course beyond MAT 1033 or MGF 1130 or MGF 1131, exempt students will be required to take the common placement test. This course may require proctored testing at an approved location. Students may be charged testing fees at off-campus and virtual testing locations. For additional information and resources, please see the College's Online Learning website. **Terms Offered:** Fall, Spring, Summer.

**MAC 1114 - College Trigonometry**, Credit Hours: 3. **Prerequisite(s):** MAC 1105 or MAC 1105C each with a grade of C or higher. **Corequisite(s):** None. **Conditions:** A strong high-school Algebra background is recommended. This course fulfills the Gordon Rule computation requirement and must be completed with a grade of C or higher (pursuant to State Board of Education Rule 6A-10.030). **Terms Offered:** Fall, Spring, Summer.

**MAC 1140 - Precalculus Algebra**, Credit Hours: 4. **Prerequisite(s):** MAC 1105 or MAC 1105C each with a grade of C or higher or a satisfactory score on the placement test. **Corequisite(s):** None. **Conditions:** This course fulfills the Gordon Rule computation requirement and must be completed with a grade of C or higher (pursuant to State Board of Education Rule 6A-10.030). **Terms Offered:** Fall, Spring, Summer.

**MAC 1147 - Precalculus Algebra and Trigonometry**, Credit Hours: 5.

**Prerequisite(s):** MAC 1105 or MAC 1105C each with a grade of B or higher or satisfactory score on the placement test. **Corequisite(s):** None. **Conditions:** This course fulfills the Gordon Rule computation requirement and must be completed with a grade of C or higher (pursuant to State Board of Education Rule 6A-10.030). **Terms Offered:** Fall, Spring, Summer.

**MAC 2233 - Calculus for Business and Social Sciences**, Credit Hours: 3.

**Prerequisite(s):** MAC 1105 or MAC 1105C or MAC 1140 each with a grade of C or higher or a satisfactory score on the placement test. **Corequisite(s):** None. **Conditions:** Appropriate technology is required. This course does not satisfy degree requirements for students majoring in mathematics or engineering. This course fulfills the Gordon Rule computation requirement and must be completed with a grade of C or higher (pursuant to State Board of Education Rule 6A-10.030). **Terms Offered:** Fall, Spring, Summer.

**MAC 2311 - Calculus With Analytic Geometry I**, Credit Hours: 4. *State Core course.*

**Prerequisite(s):** MAC 1140 and MAC 1114 each with a grade of C or higher or MAC 1147 with a grade of a C or higher. **Corequisite(s):** None. **Conditions:** This course fulfills the Gordon Rule computation requirement and must be completed with a grade of C or higher (pursuant to State Board of Education Rule 6A-10.030). **Terms Offered:** Fall, Spring, Summer.

**MAC 2312 - Calculus With Analytic Geometry II**, Credit Hours: 4.

**Prerequisite(s):** MAC 2311 with a grade of C or higher. **Corequisite(s):** None. **Conditions:** This course fulfills the Gordon Rule computation requirement and must be completed with a grade of C or higher (pursuant to State Board of Education Rule 6A-10.030). **Terms Offered:** Fall, Spring, Summer.

**MAC 2313 - Calculus With Analytic Geometry III**, Credit Hours: 4.

**Prerequisite(s):** MAC 2312 with a grade of C or higher. **Corequisite(s):** None. **Conditions:** This course fulfills the Gordon Rule computation requirement and must be completed with a grade of C or higher (pursuant to State Board of Education Rule 6A-10.030). **Terms Offered:** Fall, Spring, Summer.

**MAP 2302 - Differential Equations**, Credit Hours: 3. **Prerequisite(s):** MAC 2312

with a grade of C or higher. **Corequisite(s):** None. **Conditions:** This course fulfills the Gordon Rule computation requirement and must be completed with a grade of C or higher (pursuant to State Board of Education Rule 6A-10.030). **Terms Offered:** Fall, Spring, Summer.

**MGF 1130 - Mathematical Thinking**, Credit Hours: 3. *State Core course.*

**Prerequisite(s):** Satisfactory score on the placement test for non-exempt students. **Corequisite(s):** None. **Conditions:** This course fulfills the Gordon Rule of Computation requirement and must be completed with a grade of C or higher (pursuant to State Board of Education Rule 6A-10.030). Effective Spring 2014, students who entered the ninth grade in a Florida public high school in the 2003-2004 school year, or any year thereafter, and earned a standard Florida high school diploma, or students who are serving as active duty members in any branch of the United States Armed Services, will not be required to take the common placement test or to enroll in developmental education at any Florida College System institution, including Florida State College at Jacksonville (per State Board Rule 6A-10.0315). These students shall be considered exempt from common placement testing and developmental education instruction, and may accordingly enroll directly in MAT 1033 or MGF 1130 or MGF 1131, depending on their program of study requirement. For placement in any math course beyond MAT 1033 or MGF 1130 or MGF 1131, exempt students will be required to take the common placement test. **Terms Offered:** Fall, Spring, Summer.

**MGF 1131 - Mathematics in Context**, Credit Hours: 3.

**Prerequisite(s):** Satisfactory score on the placement test for non-exempt students. **Corequisite(s):** None. **Conditions:** This course fulfills the Gordon Rule of Computation requirement and must be completed with a grade of C or higher (pursuant to State Board of Education Rule 6A-10.030). Effective Spring 2014, students who entered the ninth grade in a Florida public high school in the 2003-2004 school year, or any year thereafter, and earned a standard Florida high school diploma, or students who are serving as active duty members in any branch of the United States Armed Services, will not be required to take the common placement test (P.E.R.T.) or to enroll in developmental education at any Florida College System institution, including Florida State College at Jacksonville (per Senate Bill 1720, State Board Rule 6A-10.0315). These students shall be considered exempt from common placement testing and developmental education instruction, and may accordingly enroll directly in MAT 1033 or MGF 1130 or MGF 1131. For placement in any college-credit math course beyond MAT 1033 or MGF 1130 or MGF 1131, exempt students will be required to take the common placement test. **Terms Offered:** Fall, Spring, Summer.

**STA 2023 - Elementary Statistics**, Credit Hours: 3. *State Core course.*

**Prerequisite(s):** Satisfactory score on placement test or successful completion of MAT 1033 with a grade of C or higher. **Corequisite(s):** None. **Conditions:** This course fulfills the Gordon Rule computation requirement and must be completed with a grade of C or higher (pursuant to State Board of Education Rule 6A-10.030). **Terms Offered:** Fall, Spring, Summer.

**General Education Natural Sciences**

Complete a minimum of 6 credits from the following courses.

**AST 1002 - Introduction to Astronomy**, Credit Hours: 3. *State Core course.*

**Prerequisite(s):** None. **Corequisite(s):** None. **Conditions:** Suggested course: AST 1002L (course may be taken following or concurrent with AST 1002L). This course may require proctored testing at an approved location. Students may be charged testing fees at off-campus and virtual testing locations. For additional information and resources, please see the College's Online Learning website. **Terms Offered:** Fall, Spring, Summer.

**AST 1002L - Astronomy Lab**, Credit Hours: 1. **Prerequisite(s):** None.

**Corequisite(s):** None. **Conditions:** Suggested course: MAT 0028. Also recommended: AST 1002 or following AST 1002. **Terms Offered:** Fall, Spring, Summer.

**BOT 1010C - Introduction to Botany**, Credit Hours: 4. **Prerequisite(s):** None.

**Corequisite(s):** None. **Conditions:** None. **Terms Offered:** Fall, Spring, Summer.

**BSC 1005 - Life in Its Biological Environment**, Credit Hours: 3. *State Core course.*

**Prerequisite(s):** None. **Corequisite(s):** None. **Conditions:** This course may require proctored testing at an approved location. Students may be charged testing fees at off-campus and virtual testing locations. For additional information and resources, please see the College's Online Learning website. **Terms Offered:** Fall, Spring, Summer.

**BSC 1005L - Biology Laboratory**, Credit Hours: 1. **Prerequisite(s):** BSC 1005.

**Corequisite(s):** BSC 1005. **Conditions:** None. **Terms Offered:** Fall, Spring, Summer.

**BSC 2010C - Principles of Biology I**, Credit Hours: 4. *State Core course.*

**Prerequisite(s):** None. **Corequisite(s):** None. **Conditions:** This course fulfills the General Education Requirements and the laboratory requirement needed by many students who plan to transfer to a four-year institution. **Terms Offered:** Fall, Spring, Summer.

**BSC 2011C - Principles of Biology II**, Credit Hours: 4. **Prerequisite(s):** BSC 2010C.

**Corequisite(s):** None. **Conditions:** None. **Terms Offered:** Fall, Spring, Summer.

**BSC 2020C - Human Biology**, Credit Hours: 4. **Prerequisite(s):** None.

**Corequisite(s):** None. **Conditions:** None. **Terms Offered:** Fall, Spring, Summer.

**BSC 2050 - Biology of Environmental Systems**, Credit Hours: 3.

**Prerequisite(s):** None. **Corequisite(s):** None. **Conditions:** None. **Terms Offered:** TBA.

**BSC 2085C - Human Anatomy and Physiology I**, Credit Hours: 4. *State Core course.* **Prerequisite(s):** None. **Corequisite(s):** None. **Conditions:** High School Chemistry taken within the past five years. High School Biology taken within the past five years. This course may require proctored testing at an approved location. Students may be charged testing fees at off-campus and virtual testing locations. For additional information and resources, please see the College's Online Learning website. **Terms Offered:** Fall, Spring, Summer.

**BSC 2086C - Human Anatomy and Physiology II**, Credit Hours: 4. **Prerequisite(s):** BSC 2085C with a grade of C or higher. **Corequisite(s):** None. **Conditions:** High School Chemistry taken within the past five years. High School Biology taken within the past five years. This course may require proctored testing at an approved location. Students may be charged testing fees at off-campus and virtual testing locations. For additional information and resources, please see the College's Online Learning website. **Terms Offered:** Fall, Spring, Summer.

**CHM 1020 - Chemistry for Liberal Arts**, Credit Hours: 3. *State Core course.* **Prerequisite(s):** None. **Corequisite(s):** None. **Conditions:** This course may require proctored testing at an approved location. Students may be charged testing fees at off-campus and virtual testing locations. For additional information and resources, please see the College's Online Learning website. **Terms Offered:** Fall, Spring, Summer.

**CHM 1025C - Introduction to General Chemistry**, Credit Hours: 4. **Prerequisite(s):** None. **Corequisite(s):** MAC 1105 or MAC 1105C or higher-level MAC course or MAP 2302. **Conditions:** This course meets the prerequisite for CHM 2045C. This course may require proctored testing at an approved location. Students may be charged testing fees at off-campus and virtual testing locations. For additional information and resources, please see the College's Online Learning website. **Terms Offered:** Fall, Spring, Summer.

**CHM 1032C - Principles of General Chemistry**, Credit Hours: 4. **Prerequisite(s):** None. **Corequisite(s):** MAT 1033 or higher. **Conditions:** This course does not meet the prerequisite for CHM 2045C. This course may require proctored testing at an approved location. Students may be charged testing fees at off-campus and virtual testing locations. For additional information and resources, please see the College's Online Learning website. **Terms Offered:** Fall, Spring, Summer.

**CHM 2045C - General Chemistry and Qualitative Analysis I**, Credit Hours: 4. *State Core course.* **Prerequisite(s):** MAC 1105 or MAC 1105C or higher-level MAC prefix course or MAP 2302, and CHM 1025C with a grade of C or higher. **Corequisite(s):** None. **Conditions:** Passing score on the Toledo Chemistry test may substitute for CHM 1025C prerequisite requirement. **Terms Offered:** Fall, Spring, Summer.

**CHM 2046C - General Chemistry and Qualitative Analysis II**, Credit Hours: 4. **Prerequisite(s):** CHM 2045C with a grade of C or higher. **Corequisite(s):** None. **Conditions:** None. **Terms Offered:** Fall, Spring, Summer.

**ESC 1000 - Earth and Space Science**, Credit Hours: 3. *State Core course.* **Prerequisite(s):** None. **Corequisite(s):** None. **Conditions:** None. **Terms Offered:** Fall, Spring, Summer.

**ESC 1000L - Earth and Space Science Laboratory**, Credit Hours: 1. **Prerequisite(s):** ESC 1000. **Corequisite(s):** ESC 1000. **Conditions:** None. **Terms Offered:** Fall, Spring, Summer.

**EVR 1001 - Introduction to Environmental Science**, Credit Hours: 3. *State Core course.* **Prerequisite(s):** None. **Corequisite(s):** None. **Conditions:** This course fulfills the General Education Physical Science requirement. **Terms Offered:** Fall, Spring, Summer.

**GLY 1010C - Physical Geology and Laboratory**, Credit Hours: 4. **Prerequisite(s):** None. **Corequisite(s):** None. **Conditions:** This course may require proctored testing at an approved location. Students may be charged testing fees at off-campus and virtual testing locations. For additional information and resources, please see the College's Online Learning website. **Terms Offered:** TBA.

**ISC 1075 - Principles of Science and Investigation**, Credit Hours: 3. **Prerequisite(s):** None. **Corequisite(s):** None. **Conditions:** This course may require proctored testing at an approved location. Students may be charged testing fees at off-campus and virtual testing locations. For additional information and resources, please see the College's Online Learning website. **Terms Offered:** Fall, Spring, Summer.

**MCB 2010C - Microbiology**, Credit Hours: 4. **Prerequisite(s):** CHM 1020 or CHM 1025C or CHM 1032C or CHM 2045C or other College level chemistry course or placement into CHM 2045C or higher by the chemistry placement exam. **Corequisite(s):** None. **Conditions:** It is recommended that students successfully complete BSC 1005 or BSC 2010C or BSC 2085C or BSC 2086C prior to enrollment in this course. **Terms Offered:** Fall, Spring, Summer.

**OCB 2000C - Fundamentals of Marine Biology**, Credit Hours: 4. **Prerequisite(s):** None. **Corequisite(s):** None. **Conditions:** None. **Terms Offered:** TBA.

**OCE 2001 - Survey of Oceanography**, Credit Hours: 3. *State Core course.* **Prerequisite(s):** None. **Corequisite(s):** None. **Conditions:** This course may require proctored testing at an approved location. Students may be charged testing fees at off-campus and virtual testing locations. For additional information and resources, please see the College's Online Learning website. **Terms Offered:** TBA.

**OCE 2001L - Oceanography Laboratory**, Credit Hours: 1. **Prerequisite(s):** None. **Corequisite(s):** None. **Conditions:** None. **Terms Offered:** TBA.

**PHY 1020C - Physics for Liberal Arts with Laboratory**, Credit Hours: 3. *State Core course.* **Prerequisite(s):** MAT 1033 or higher. **Corequisite(s):** MAT 1033 or higher. **Conditions:** This course may require proctored testing at an approved location. Students may be charged testing fees at off-campus and virtual testing locations. For additional information and resources, please see the College's Online Learning website. **Terms Offered:** Fall, Spring, Summer.

**PHY 2048C - Physics I with Calculus**, Credit Hours: 4. **Prerequisite(s):** MAC 2311. **Corequisite(s):** MAC 2312. **Conditions:** This course may require proctored testing at an approved location. Students may be charged testing fees at off-campus and virtual testing locations. For additional information and resources, please see the College's Online Learning website. **Terms Offered:** Fall, Spring, Summer.

**PHY 2049C - Physics II With Calculus**, Credit Hours: 4. **Prerequisite(s):** PHY 2048C. **Corequisite(s):** MAC 2313. **Conditions:** This course may require proctored testing at an approved location. Students may be charged testing fees at off-campus and virtual testing locations. For additional information and resources, please see the College's Online Learning website. **Terms Offered:** Fall, Spring, Summer.

**PHY 2053C - General Physics I**, Credit Hours: 4. *State Core course.* **Prerequisite(s):** (1) MAC 1140 and MAC 1114; or (2) MAC 2311; or (3) MAC 1147 with a grade of C or higher. **Corequisite(s):** None. **Conditions:** This course may require proctored testing at an approved location. Students may be charged testing fees at off-campus and virtual testing locations. For additional information and resources, please see the College's Online Learning website. **Terms Offered:** Fall, Spring, Summer.

**PHY 2054C - General Physics II**, Credit Hours: 4. **Prerequisite(s):** PHY 2053C. **Corequisite(s):** None. **Conditions:** This course may require proctored testing at an approved location. Students may be charged testing fees at off-campus and virtual testing locations. For additional information and resources, please see the College's Online Learning website. **Terms Offered:** Fall, Spring, Summer.

**PSC 1341 - Physical Science**, Credit Hours: 3. **Prerequisite(s):** None. **Corequisite(s):** None. **Conditions:** None. **Terms Offered:** Spring.

**ZOO 1010C - General Zoology**, Credit Hours: 4. **Prerequisite(s):** None. **Corequisite(s):** None. **Conditions:** None. **Terms Offered:** TBA.

**General Education Social and Behavioral Sciences Courses**  
Complete 9 credits from the following courses.

**AMH 2010 - United States History to 1877**, Credit Hours: 3. *State Core course.*  
**Prerequisite(s):** Qualify for enrollment in ENC 1101. **Corequisite(s):** None.  
**Conditions:** Successful completion of this course satisfies the following Civic Literacy Competency Requirement: Prior to the award of an associate in arts or baccalaureate degree, first-time-in-college students entering a Florida College System institution in the 2018-2019 school year, and thereafter, must demonstrate competency in civic literacy (Florida Statute 1007.25, Section 4; State Board of Education Rule 6A-10.02413). **Terms Offered:** Fall, Spring, Summer.

**AMH 2020 - United States History from 1877 to the Present**, Credit Hours: 3. *State Core course.*  
**Prerequisite(s):** Qualify for enrollment in ENC 1101.  
**Corequisite(s):** None. **Conditions:** Successful completion of this course satisfies the following Civic Literacy Competency Requirement: Prior to the award of an associate in arts or baccalaureate degree, first-time-in-college students entering a Florida College System institution in the 2018-2019 school year, and thereafter, must demonstrate competency in civic literacy (Florida Statute 1007.25, Section 4; State Board of Education Rule 6A-10.02413). **Terms Offered:** Fall, Spring, Summer.

**AMH 2070 - History of Florida**, Credit Hours: 3. **Prerequisite(s):** Qualify for enrollment in ENC 1101. **Corequisite(s):** None. **Conditions:** The course may be organized according to themes or areas of focus that an instructor may be using; it may be organized chronologically or it may be a combination of approaches. Topical approach may also be utilized. Time allocation and sequence of topics will be determined by the instructor. **Terms Offered:** Fall, Spring, Summer.

**ANT 2000 - General Anthropology**, Credit Hours: 3. *State Core course.*  
**Prerequisite(s):** Qualify for enrollment in ENC 1101. **Corequisite(s):** None.  
**Conditions:** None. **Terms Offered:** Fall, Spring, Summer.

**DEP 2004 - Human Growth and Development**, Credit Hours: 3.  
**Prerequisite(s):** Qualify for enrollment in ENC 1101. **Corequisite(s):** None.  
**Conditions:** None. **Terms Offered:** Fall, Spring, Summer.

**ECO 2013 - Economics I - Principles of Macroeconomics**, Credit Hours: 3. *State Core course.*  
**Prerequisite(s):** Qualify for enrollment in ENC 1101.  
**Corequisite(s):** None. **Conditions:** None. **Terms Offered:** Fall, Spring, Summer.

**INR 2002 - International Relations**, Credit Hours: 3. **Prerequisite(s):** Qualify for enrollment in ENC 1101. **Corequisite(s):** None. **Conditions:** None. **Terms Offered:** Fall, Spring, Summer.

**LAH 2020 - History of Latin America**, Credit Hours: 3. **Prerequisite(s):** Qualify for enrollment in ENC 1101. **Corequisite(s):** None. **Conditions:** None. **Terms Offered:** Fall, Spring.

**POS 2041 - American Federal Government**, Credit Hours: 3. *State Core course.*  
**Prerequisite(s):** Qualify for enrollment in ENC 1101. **Corequisite(s):** None.  
**Conditions:** Successful completion of this course satisfies the following Civic Literacy Competency Requirement: Prior to the award of an associate in arts or baccalaureate degree, first-time-in-college students entering a Florida College System institution in the 2018-2019 school year, and thereafter, must demonstrate competency in civic literacy (Florida Statute 1007.25, Section 4; State Board of Education Rule 6A-10.02413). **Terms Offered:** Fall, Spring, Summer.

**POS 2112 - State and Local Government**, Credit Hours: 3.  
**Prerequisite(s):** Qualify for enrollment in ENC 1101. **Corequisite(s):** None.  
**Conditions:** None. **Terms Offered:** Fall, Spring, Summer.

**PSY 1012 - General Psychology**, Credit Hours: 3. *State Core course.*  
**Prerequisite(s):** Qualify for enrollment in ENC 1101. **Corequisite(s):** None.  
**Conditions:** None. **Terms Offered:** Fall, Spring, Summer.

**SYG 2000 - Introductory Sociology**, Credit Hours: 3. **Prerequisite(s):** Qualify for enrollment in ENC 1101. **Corequisite(s):** None. **Conditions:** None. **Terms Offered:** Fall, Spring, Summer.

**WOH 1012 - World History to 1500**, Credit Hours: 3. **Prerequisite(s):** Qualify for enrollment in ENC 1101. **Corequisite(s):** None. **Conditions:** None. **Terms Offered:** Fall, Spring.

**WOH 1022 - World History Since 1500**, Credit Hours: 3. **Prerequisite(s):** Qualify for enrollment in ENC 1101. **Corequisite(s):** None. **Conditions:** None. **Terms Offered:** Fall, Spring.

**WOH 1012 - World History to 1500**, Credit Hours: 3. **Prerequisite(s):** Qualify for enrollment in ENC 1101. **Corequisite(s):** None. **Conditions:** None. **Terms Offered:** Fall, Spring.

**WOH 1022 - World History Since 1500**, Credit Hours: 3. **Prerequisite(s):** Qualify for enrollment in ENC 1101. **Corequisite(s):** None. **Conditions:** None. **Terms Offered:** Fall, Spring.

### Lower Division Courses

Complete all of the following courses.

**CET 2600C - Network Fundamentals (Cisco 1)**, Credit Hours: 3.  
**Prerequisite(s):** CTS 1131C and CTS 1133C, both with a grade of C or higher.  
**Corequisite(s):** None. **Conditions:** None. **Terms Offered:** Fall, Spring, Summer.

**CNT 1015C - Operating Systems Foundations**, Credit Hours: 3.  
**Prerequisite(s):** None. **Corequisite(s):** None. **Conditions:** None. **Terms Offered:** Fall, Spring, Summer.

**CNT 2102C - Enterprise Networking, Security, and Automation (Cisco 3)**, Credit Hours: 4. **Prerequisite(s):** CTS 2655C with a grade of C or higher.  
**Corequisite(s):** None. **Conditions:** None. **Terms Offered:** Fall, Spring, Summer.

**CTS 1120C - Fundamentals of Information Security**, Credit Hours: 3.  
**Prerequisite(s):** Prerequisite courses must be completed with a grade of C or higher. Option 1: CTS 1131C and CTS 1133C. Option 2: CGS 1060C and CNT 1015C and CNT 2001C. **Corequisite(s):** None. **Conditions:** None. **Terms Offered:** Fall, Spring, Summer.

**CTS 1131C - Hardware Configuration**, Credit Hours: 3. **Prerequisite(s):** None.  
**Corequisite(s):** None. **Conditions:** None. **Terms Offered:** Fall, Spring, Summer.

**CTS 1133C - Software Configuration**, Credit Hours: 3. **Prerequisite(s):** None.  
**Corequisite(s):** None. **Conditions:** None. **Terms Offered:** Fall, Spring, Summer.

**CTS 1154C - Technical Support**, Credit Hours: 3. **Prerequisite(s):** None.  
**Corequisite(s):** None. **Conditions:** None. **Terms Offered:** Fall, Spring, Summer.

**CTS 1334C - Server Configuration**, Credit Hours: 4. **Prerequisite(s):** CTS 1131C and CTS 1133C both with a grade of C or higher. **Corequisite(s):** None.  
**Conditions:** None. **Terms Offered:** Fall, Spring, Summer.

**CTS 2370C - Virtual Infrastructure: Installation and Configuration**, Credit Hours: 4. **Prerequisite(s):** CTS 1334C with a grade of C or higher.  
**Corequisite(s):** None. **Conditions:** None. **Terms Offered:** Fall, Spring, Summer.

**CTS 2655C - Switching, Routing, and Wireless Essentials (Cisco 2)**, Credit Hours: 4. **Prerequisite(s):** CET 2600C with a grade of C or higher.  
**Corequisite(s):** None. **Conditions:** None. **Terms Offered:** Fall, Spring, Summer.

### Upper Division Courses

Complete all of the following courses.

**CIS 3534C - Scripting for Network Professionals**, Credit Hours: 4.  
**Prerequisite(s):** CTS 1133C, CET 2600C and CTS 2655C. **Corequisite(s):** None.  
**Conditions:** None. **Terms Offered:** Fall, Spring, Summer.

**CNT 3014C - Enterprise Systems Integration**, Credit Hours: 4.  
**Prerequisite(s):** CTS 2655C. **Corequisite(s):** None. **Conditions:** Junior-level status or above. **Terms Offered:** Fall, Spring, Summer.

**CNT 3105C - Software Defined Networking**, Credit Hours: 3.  
**Prerequisite(s):** CTS 1015C, CNT 2102C and CIS 3534C. **Corequisite(s):** None.  
**Conditions:** None. **Terms Offered:** Fall, Spring, Summer.

**CNT 3403C - Firewall Configuration and Design**, Credit Hours: 3.

Prerequisite(s): CNT 2102C, CNT 4708C and CNT 3105C. Corequisite(s): None.

Conditions: None. Terms Offered: Fall, Spring, Summer.

**CNT 4509C - Advanced Convergent Technologies**, Credit Hours: 4.

Prerequisite(s): CNT 2102C. Corequisite(s): None. Conditions: Junior-level status or above. Terms Offered: Fall, Spring, Summer.

**CNT 4708C - Advanced Network Traffic Analysis**, Credit Hours: 4.

Prerequisite(s): CTS 2655C. Corequisite(s): None. Conditions: Junior-level status or above. Terms Offered: Fall, Spring, Summer.

**CNT 4931C - Computer Networking Capstone**, Credit Hours: 4.

Prerequisite(s): CNT 3014C and CNT 4509C. Corequisite(s): None.

Conditions: None. Terms Offered: Fall, Spring, Summer.

**CNT 4940 - Cooperative Education (Internship)**, Credit Hours: 2.

Prerequisite(s): ISM 3013 and ISM 3014. Corequisite(s): None. Conditions: None.

Terms Offered: Fall, Spring, Summer.

**ISM 3013 - Introduction to Information Technology Management**, Credit

Hours: 3. Prerequisite(s): None. Corequisite(s): None. Conditions: Junior-level status or above. Terms Offered: Fall, Spring, Summer.

**ISM 3014 - Service Support Management**, Credit Hours: 4. Prerequisite(s): CTS

1154C. Corequisite(s): None. Conditions: Junior-level status or above. Terms Offered: Fall, Spring, Summer.

**ISM 4220C - Network Management for Information Professionals**, Credit

Hours: 3. Prerequisite(s): CTS 1131C and CTS 1133C and CNT 2001C, or CET 2600C, each with a grade of C or higher. Corequisite(s): None.

Conditions: Junior-level status or above. Terms Offered: Fall, Spring, Summer.

## Foreign Language Courses

For additional information, see the [Foreign Language Requirement](#).

**ASL 1140 - American Sign Language I**, Credit Hours: 4. Prerequisite(s): None.

Corequisite(s): None. Conditions: This course can be taken by students not enrolled in the ASL/English Interpreting program to satisfy associate in arts elective credits and/or foreign language requirements. Terms Offered: Fall, Spring, Summer.

**ASL 1150 - American Sign Language II**, Credit Hours: 4. Prerequisite(s): ASL

1140 with a grade of C or higher. Corequisite(s): None. Conditions: This course can be taken by students not enrolled in the ASL/English Interpreting program to satisfy associate in arts elective credits and/or foreign language requirements. Terms Offered: Fall, Spring, Summer.

**FRE 1120 - French I**, Credit Hours: 4. Prerequisite(s): None. Corequisite(s): None.

Conditions: None. Terms Offered: Fall, Spring, Summer.

**FRE 1121 - French II**, Credit Hours: 4. Prerequisite(s): FRE 1120 or equivalent

with a grade of C or higher. Corequisite(s): None. Conditions: None. Terms Offered: Fall, Spring, Summer.

**SPN 1120 - Spanish I**, Credit Hours: 4. Prerequisite(s): None.

Corequisite(s): None. Conditions: None. Terms Offered: Fall, Spring, Summer.

**SPN 1121 - Spanish II**, Credit Hours: 4. Prerequisite(s): SPN 1120 or equivalent

with a grade of C or higher. Corequisite(s): None. Conditions: None. Terms Offered: Fall, Spring, Summer.