

## Network Systems Technology (2156) (A.S.)

### RECOMMENDED ROADMAP

This Roadmap is a recommended way to complete this program of study. Course availability is subject to change. In some cases, a specific course is shown, but there are other options available. To review and consider other courses, see the note at the bottom of this page. Part-time students should refer to the Recommended Course Sequence list. Consult an Academic Advisor or the Technology department before creating your actual Academic Degree Plan and refer to the [FSCJ Catalog](#) for more information.

#### 1st Term

Course ID	Course Title	Credit Hours	Grade Earned
1* ENC 1101	English Composition I	3	
2* See Note Below	Choose 1 General Education Mathematics	3	
CTS 1131C	Hardware Configuration	3	
CTS 1133C	Software Configuration	3	

**Term Total = 12**

#### 2nd Term

Course ID	Course Title	Credit Hours	Grade Earned
CTS 1154	Technical Support	3	
CTS 1120C	Fundamentals of Information Security	3	
CNT 1015	Operating Systems Foundations	3	
CET 2600	Network Fundamentals (CISCO 1)	3	

**Term Total = 12**

#### 3rd Term

Course ID	Course Title	Credit Hours	Grade Earned
CTS 2655	Routing and Switching Fundamentals (CISCO 2)	4	
CTS 1334	Server Configuration	4	
4* See Note Below	Choose 1 Professional Elective	4	

**Term Total = 12**

#### 4th Term

Course ID	Course Title	Credit Hours	Grade Earned
2* See Note Below	Choose 1 General Education Social and Behavioral Science	3	
2* See Note Below	Choose 1 General Education Humanities	3	
4* See Note Below	Choose 1 Professional Elective	4	
4* See Note Below	Choose 1 Professional Elective	4	

**Term Total = 14**

#### 5th Term

Course ID	Course Title	Credit Hours	Grade Earned
3* See Note Below	Choose 1 General Education Communications	3	
5* CNT 2942	Cooperative Education (Internship)	2	
4* See Note Below	Choose 1 Professional Elective	2, 3 or 4	
4* See Note Below	Choose 1 Professional Elective	2, 3 or 4	

**Term Total = Minimum of 10**

**Total Credit Hours = 60**

#### Program Notes:

- 1\* ENC 1101C can be taken in place of ENC 1101. Please speak with your Advisor for more information.
- 2\* See the options for the [General Education Requirements](#) in the 2020-2021 [FSCJ Catalog](#).
- 3\* General Education Communications options include: ENC 1102, SPC 2017, SPC 2065 or SPC 2608.
- 4\* See the professional electives options in the catalog at [fscj.edu/2156](http://fscj.edu/2156).
- 5\* Students must be within 12 credit hours of degree completion to take this course.

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### RECOMMENDED COURSE SEQUENCE

This list shows a recommended sequence for completing the courses in this program of study. Course availability is subject to change. **Part-time students** should use this list to determine which courses to take next that fit their schedule. In some cases, a specific course is shown, but there are other options available. To review and consider other courses, see the note on page 1. Consult an Academic Advisor or the Technology department before creating your actual Academic Degree Plan and refer to the [FSCJ Catalog](#) for more information.

- **ENC 1101** - English Composition I (Credit Hours: 3) - **Prerequisites:** Satisfactory score on reading and writing placement tests. **See program note 1\*.**
- **Choose 1 General Education Mathematics** (see link below for options). **See program note 2\*.**
- **CTS 1131C** - Hardware Configuration (Credit Hours: 3) - **Prerequisites:** None.
- **CTS 1133C** - Software Configuration (Credit Hours: 3) - **Prerequisites:** None.
- **CTS 1154** - Technical Support (Credit Hours: 3) - **Prerequisites:** None.
- **CTS 1120** - Fundamentals of Information Security (Credit Hours: 3) - **Prerequisites:** CTS 1131C and CTS 1133C with a grade of “C” or higher.
- **CNT 1015** - Operating Systems Foundations (Credit Hours: 3) - **Prerequisites:** None.
- **CET 2600** - Network Fundamentals (CISCO 1) (Credit Hours: 3) - **Prerequisites:** CTS 1131C and CTS 1133C with a grade of “C” or higher.
- **CTS 2655** - Routing and Switching Fundamentals (CISCO 2) (Credit Hours 4) – **Prerequisites:** CET 2600 with a grade of “C” or higher.
- **CTS 1334** - Server Configuration (Credit Hours 4) - **Prerequisites:** CTS 1131C and CTS 1133C with a grade of “C” or higher.
- **Choose 1 Professional Elective** (see link below) (Credit Hours: 4).
- **Choose 1 General Education Social and Behavioral Science** (See link below for options) (Credit Hours: 3). **See program note 2\*.**
- **Choose 1 General Education Humanities** (See link below for options). (Credit Hours: 3). **See program note 2\*.**
- **Choose 1 Professional Elective** (see link below) (Credit Hours: 4).
- **Choose 1 Professional Elective** (see link below) (Credit Hours: 4).
- **Choose 1 General Education Communications** (See link below for options). (Credit Hours: 3). **See program note 3\*.**
- **CNT 2942** - Cooperative Education (Internship) (Credit Hours: 2) – **See program note 5\*.**
- **Choose 1 Professional Elective** (see link below) (Credit Hours: 2, 3 or 4).
- **Choose 1 Professional Elective** (see link below) (Credit Hours: 2, 3, or 4).

#### *Professional Elective Options (17 credit hours required):*

Visit catalog program page for information on professional elective options and suggested tracks at [fscj.edu/2156](http://fscj.edu/2156)

To view a list of the [General Education Requirements](https://catalog.fscj.edu/), please visit our online catalog: <https://catalog.fscj.edu/>

### CAREER OPTIONS

FSCJ is the regional resource for employers in every type of technology. Our partnerships with Cisco Systems, Dell, IBM, Microsoft, Oracle and Sun Microsystems provide career connections. The College’s intranet site posts jobs targeting our students. Graduates are regularly employed by CSX, JEA, Blue Cross Blue Shield, the City of Jacksonville, Medtronic, Mayo Clinic and other regional employers including the government and military. According to the Bureau of Labor Statistics, employment of computer network support specialists is expected to grow 11 percent from 2016 to 2026, faster than the average for all occupations. Demand for these workers is high and should continue to grow as firms invest in newer, faster technology and mobile networks.

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