

Architectural Design and Construction Technology (2202) (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 Engineering & Industry 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* ENC1101	English Composition I	3	
2* MAC1105	College Algebra	3	
BCN1251	Construction Drawings	3	
BCN1210	Construction Materials	3	
BCN1210L	Construction Materials Lab	1	

Term Total = 13

3rd Term

Course ID	Course Title	Credit Hours	Grade Earned
2* PHY1020C	Physics for Liberal Arts with Laboratory	3	
ENC2210	Technical Report Writing	3	
BCN2280	Surveying: Construction Layout	3	
CGS2470	Computer Aided Drafting and Design	3	

Term Total = 12

5th Term

Course ID	Course Title	Credit Hours	Grade Earned
TAR1942	Internship	2	
4* Choose 1 Professional Elective		3	
4* Choose 1 Professional Elective		3	
4* Choose 1 Professional Elective		3	
4* Choose 1 Professional Elective		3	

Term Total = 14

2nd Term

Course ID	Course Title	Credit Hours	Grade Earned
MAC1114	College Trigonometry	3	
INP1390	Human Relations in Business and Industry	3	
ETD1100	Engineering Drawing	3	
4* Choose 1 Professional Elective		3	

Term Total = 12

4th Term

Course ID	Course Title	Credit Hours	Grade Earned
3* Choose 1 General Education Humanities		3	
BCN2793	Managing Building Construction	3	
BCN2405	Introduction to Structures	3	
ETD2542	Structural Drafting	3	
4* Choose 1 Professional Elective		3	

Term Total = 15

Total Credit Hours = 66

Program Notes:

1* ENC 1101C can be taken in place of ENC1101. Please speak with your Advisor for more information.

2* Student has the option to take MAC1140 instead of MAC 1105 and PHY 2053C instead of PHY 1020C.

3* See the options for the [General Education Requirements](#) in the 2020-21 [FSCJ Catalog](#).

4* Visit the catalog program catalog page for information on professional elective options and suggested tracks: fscj.edu/2202

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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 Engineering & Industry 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 placement test (for non-exempt students only). **See program note 1*.**
- **MAC 1105** - College Algebra (Credit Hours: 3) - **Prerequisites:** MAT 1033 with a grade of “C” or better or satisfactory score on the placement test (see student advising notes). **See program note 2*.**
- **BCN 1251** - Construction Drawing (Credit Hours: 3) - **Prerequisites:** None.
- **BCN 1210** - Construction Materials (Credit Hours: 3) - **Corequisites:** BCN 1210L.
- **BCN 1210L** - Construction Materials Lab (Credit Hours: 1) - **Corequisites:** BCN 1210.
- **MAC 1114** - College Trigonometry (Credit Hours: 3) - **Prerequisites:** MAC 1105 with a grade of “C” or better or a strong high school algebra background.
- **INP 1390** - Human Relations in Business and Industry (Credit Hours: 3) - **Prerequisite:** Qualify for enrollment in ENC 1101.
- **ETD 1100** - Engineering Drawing (Credit Hours: 3) - **Prerequisites:** None.
- **Choose 1 Professional Elective** (see link below) (Credit Hours: 3)
- **PHY 1020C** - Physics for Liberal Arts with Laboratory (Credit Hours: 3) - **Pre or Corequisites:** MAT 1033 or higher. **See program note 2*.**
- **ENC 2210** - Technical Report Writing (Credit Hours: 3) - **Prerequisites:** ENC 1101 or ENC 1101C with a grade of “C” or higher.
- **BCN 2280** - Surveying: Construction Layout (Credit Hours: 3) - **Prerequisites:** MAC 1114.
- **CGS 2470** - Computer Aided Drafting and Design (Credit Hours: 3) - **Prerequisites:** ETD 1100 or ETS 1520.
- **Choose 1 Humanities** (see link below for options) **See program note 3*.**
- **BCN 2793** - Managing Building Construction (Credit Hours: 3) - **Prerequisites:** None.
- **BCN 2405** - Introduction to Structures (Credit Hours: 3) - **Prerequisites:** None.
- **ETD 2542** - Structural Drafting (Credit Hours: 3) - **Prerequisites:** CGS 2470.
- **Choose 1 Professional Elective** (see link below) (Credit Hours: 3)
- **TAR 1942** - Internship (Credit Hours: 2) - **Prerequisites:** None.
- **Choose 1 Professional Elective** (see link below) (Credit Hours: 3)
- **Choose 1 Professional Elective** (see link below) (Credit Hours: 3)
- **Choose 1 Professional Elective** (see link below) (Credit Hours: 3)
- **Choose 1 Professional Elective** (see link below) (Credit Hours: 3)

Professional Elective Options (18 credit hours required):

Visit catalog program page for information on professional elective options and suggested tracks:
fscj.edu/2202

Total Credit Hours = 66

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

CAREER OPTIONS

The Associate in Science Degree in Architectural Design and Construction Technology program prepares you for entry-level positions as architectural drafters or assistants. Typical places of employment are architectural or engineering firms and construction contractors. According to the Bureau of Labor Statistics, employment of architects is projected to grow 24 percent from 2010 to 2020, faster than the average for all occupations. Current demographic trends will result in a greater need for architects. Those who distinguish themselves with their creativity should have the best job opportunities.

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