

The Associate in Science (A.S.) Degree in Architectural Design and Construction Technology program prepares students for entry-level positions in architecture, computer-aided-design, or construction management.

The program emphasizes architectural and construction theory fundamentals combined with applied laboratory instruction in the latest techniques using the most current technology as dictated by industry conventions and standards. The program is dedicated to providing a well-balanced education that enhances the experiences and employment potential for graduates.

<input checked="" type="checkbox"/> Task
<input type="checkbox"/> Explore career resources at fscj.edu/student-services/career-development .
<input type="checkbox"/> Meet with your advisor each term.
<input type="checkbox"/> Fulfill the Civic Literacy requirement.
<input type="checkbox"/> Satisfy the associate in science degree graduation requirements.

Career Options

This program prepares you for entry-level positions as architectural drafters or assistants. Typical places of employment are architectural or engineering firms and construction contractors.

Advising

(904) 633-8228 or act@fscj.edu.

Sample Roadmap

This roadmap provides general guidance about required courses. For specific guidance about your individual academic degree plan, please see an advisor. Also refer to the College Catalog and class schedules for additional information. **Full-time students will refer to the term-by-term recommendations, and part-time students will take courses in the order listed.**

A minimum grade of C or higher must be achieved in all professional courses, as well as courses used to satisfy the general education and civic literacy requirements. A list of Professional Elective Coursework options is available at the end of this document.

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Term 1

<input checked="" type="checkbox"/>	Course: Course Title	Credit Hours	Terms Offered
<input type="checkbox"/>	ENC 1101: English Composition I or ENC 1101C: English Composition I Enhanced	3 or 4	Varies
<input type="checkbox"/>	MAC 1105: College Algebra or MAC 1140: Precalculus Algebra	3 or 4	Varies
<input type="checkbox"/>	BCN 1251: Construction Drawing	3	Fall
<input type="checkbox"/>	BCN 1210: Construction Materials	3	Fall
<input type="checkbox"/>	BCN 1210L: Construction Materials Lab	1	All

Term 2

<input checked="" type="checkbox"/>	Course: Course Title	Credit Hours	Terms Offered
<input type="checkbox"/>	MAC 1114: College Trigonometry	3	All
<input type="checkbox"/>	AMH 2020: United States History From 1877 to the Present or POS 2041: American Federal Government	3	Varies
<input type="checkbox"/>	ETD 1100C: Engineering Drawing	3	All
<input type="checkbox"/>	Professional Elective	3	Varies

Term 3

<input checked="" type="checkbox"/>	Course: Course Title	Credit Hours	Terms Offered
<input type="checkbox"/>	PHY 1020C: Physics for Liberal Arts with Laboratory or PHY 2053C: General Physics I	3	Varies
<input type="checkbox"/>	ENC 2210: Technical Report Writing	3	All
<input type="checkbox"/>	BCN 2280: Surveying: Construction Layout	3	All
<input type="checkbox"/>	CGS 2470: Computer Aided Drafting and Design	3	All

Term 4

<input checked="" type="checkbox"/>	Course: Course Title	Credit Hours	Terms Offered
<input type="checkbox"/>	ARH 2000: Art in the Humanities or PHI 2010: Philosophy in the Humanities or MUL 2010: Music in the Humanities or LIT 2000: Literature in the Humanities or HUM 2020: Topics in the Humanities or THE 2000: Theatre in the Humanities	3	Varies
<input type="checkbox"/>	BCN 2793: Managing Building Construction	3	All
<input type="checkbox"/>	BCN 2405: Introduction to Structures	3	All
<input type="checkbox"/>	ETD 2542: Structural Drafting	3	All
<input type="checkbox"/>	Professional Elective	3	Varies

Important for You to Know

This academic roadmap does not include **developmental education courses** in reading, writing, and/or mathematics that you may be required to take. Students who place into developmental education courses are required to complete designated developmental education courses with a grade of C or higher regardless of program of study. In addition, it does not include **MAT 1033: Intermediate Algebra**, which, for many students, is a prerequisite course for MAC 1105.

Related Roadmaps

Embedded Technical Certificate(s)

Technical certificates are available within this degree program. Students may pursue the A.S. degree and earn technical certificates while completing the requirements for the degree or pursue one or more certificates to develop or upgrade their skills in a particular field. Contact an advisor to determine the career education path that is best for you. Embedded technical certificates include:

- Computer Aided Technical Design
- Advanced Computer-Aided Technical Design
- GIS (Geographic Information System) Technician

Program Learning Outcomes

Upon completing this program, students will be able to demonstrate proficiency in the following program learning outcomes:

- Students will identify construction materials,
- Students will use Computer Aided Drafting and Design software
- Students will learn the construction materials
- Students will get information about surveying
- Students will learn technical drawing

Term 5

Note: All other program courses should be completed prior to registering for TAR 1942: Internship.

<input checked="" type="checkbox"/>	Course: Course Title	Credit Hours	Terms Offered
<input type="checkbox"/>	TAR 1942: Internship	3	Fall, Spring
<input type="checkbox"/>	Professional Elective	2-3	Varies
<input type="checkbox"/>	Professional Elective	3	Varies
<input type="checkbox"/>	Professional Elective	3	Varies
<input type="checkbox"/>	Professional Elective	3	Varies

Total Program Credit Hours

The **Architectural Design and Construction Technology** A.S. degree program requires a **minimum of 66 credit hours**. Total program hours may vary based on the student's individual degree plan. Please see an advisor for individual guidance. This program **is eligible** for financial aid.

Professional Elective Coursework Options

Required Credit Hours: 18

Students can specialize by taking selecting courses from one of the suggested tracks:

- **Drafting and Design Track:** select BCN 2614, ETD 2350, ETD 2395, ETD 2536 and ETD 2551.
- **Architectural Track:** select BCN 2226, BCN 2614, BCN 2760, ETD 2395.
- **Civil Track:** select BCN 2226, BCN 2721, BCN 2760 and ETD 2551.
- **GIS Track:** select CGS 1100C, CGS 2542, GIS 2040, GIS 2045 and GIS 2046.

<input checked="" type="checkbox"/>	Course: Course Title	Credit Hours	Terms Offered
<input type="checkbox"/>	BCN 2226: Soils and Foundations	3	Fall
<input type="checkbox"/>	BCN 2563: Electrical Systems	2	Spring
<input type="checkbox"/>	BCN 2614: Planning and Estimating	3	Fall
<input type="checkbox"/>	BCN 2721: Construction Scheduling	3	Fall
<input type="checkbox"/>	BCN 2760: Construction Design and Codes	3	Fall
<input type="checkbox"/>	CGS 1100C: Microcomputer Applications for Business and Economics	3	All
<input type="checkbox"/>	CGS 2542: Database Concepts for Microcomputers	3	All
<input type="checkbox"/>	ETD 2350: CAD - Advanced	3	Fall
<input type="checkbox"/>	ETD 2395: CAD - Architectural	3	Fall, Spring
<input type="checkbox"/>	ETD 2536: CAD - Mechanical	3	Fall, Spring
<input type="checkbox"/>	ETD 2551: CAD - Civil	3	Fall
<input type="checkbox"/>	GIS 2040: Fundamentals of Geographic Information Systems	3	Fall
<input type="checkbox"/>	GIS 2045: Intermediate Geographic Information Systems	3	Spring
<input type="checkbox"/>	GIS 2046: Advanced Geographic Information Systems	3	Spring