FSCJ Florida State College at Jacksonville

# Architectural Design and Construction Technology (2202)

ASSOCIATE IN SCIENCE | College Catalog Year: 2024-25

## About the Program

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.

Students may select one of the following tracks: Drafting and Design, Architectural, Civil, or GIS.

This program requires a **minimum of 66 credit hours**. Total program hours may vary based on the student's individual academic degree plan. This program **is eligible** for financial aid.

## Program Requirements

Students must fulfill all requirements outlined in the college catalog.

## Important for You to Know

**This academic roadmap does not include** developmental education courses in reading, writing, and/or mathematics or other prerequisite courses that you may be required to take. In addition, it does not include program graduation requirements.

**Alternative starting or completion points include:** Computer Aided Technical Design (T.C.), Advanced Computer-Aided Technical Design (T.C.), and GIS (Geographic Information System) Technician (T.C.).

## Additional Information

⇒ **Program Information**, including advisor contact details: https://www.fscj.edu/2202 .

⇒ **Associate in Science Degree Information**, including graduation requirements: https://catalog.fscj.edu/academics/degree-certificate-programs/associate-in-science-degrees.

⇒ ***Program Requirements:** https://catalog.fscj.edu/programs/2202.

⇒ **Math Pathways Information**: https://catalog.fscj.edu/academics/math-pathways.

## Sample Roadmap

This roadmap shows one possible pathway to complete this program. While suitable for many students, this pathway may not represent the best option for all students.

Prior to enrolling in classes, please **meet with an advisor** for specific guidance about your individual academic degree plan. Some courses are offered only once per year; advising is critical for course progression.

***See the ***program requirements*** for general education and professional elective course options.*

This program includes an **Algebra Through Calculus math pathway.** This pathway is intended for students whose academic program requires a foundation of algebra, followed by a sequence of courses that may lead to calculus.

### Term 1

| Course | Credits |
|---|---|
| ENC 1101 - English Composition I<br>**or** ENC 1101C - English Composition I Enhanced | 3-4 |
| MAC 1105 - College Algebra<br>**or** MAC 1140 - Precalculus Algebra | 3-4 |
| BCN 1251 - Construction Drawing | 3 |
| BCN 1210 - Construction Materials | 3 |
| BCN 1210L - Construction Materials Lab | 1 |

### Term 2

| Course | Credits |
|---|---|
| MAC 1114 - College Trigonometry | 3 |
| Civic Literacy course | 3 |
| ETD 1100C - Engineering Drawing | 3 |
| Professional Elective course | 3 |

### Term 3

| Course | Credits |
|---|---|
| PHY 1020C - Physics for Liberal Arts with Laboratory<br>**or** PHY 2053C - General Physics I | 3-4 |
| ENC 2210 - Technical Report Writing | 3 |
| BCN 2280 - Surveying: Construction Layout | 3 |
| CGS 2470 - Computer Aided Drafting and Design | 3 |

### Term 4

| Course | Credits |
|---|---|
| General Education Humanities Core course | 3 |
| BCN 2793 - Managing Building Construction | 3 |
| BCN 2405 - Introduction to Structures | 3 |
| ETD 2542 - Structural Drafting | 3 |
| Professional Elective course | 3 |

### Term 5

| Course | Credits |
|---|---|
| TAR 1942 - Internship | 2 |
| Professional Elective course | 3 |
| Professional Elective course | 3 |
| Professional Elective course | 3 |
| Professional Elective course | 3 |