FSCJ Florida State College at Jacksonville

The Technical Certificate (T.C.) in Advanced Computer-Aided Technical Design will provide the essential skills and knowledge needed to obtain entry-level jobs as a draftsman and architectural assistant.

☑ Task
☐ Explore career resources at fscj.edu/student-services/career-development.
☐ Meet with your advisor each term.
☐ Satisfy the technical certificate graduation requirements.

Articulation

This certificate articulates directly into the Architectural Design and Construction Technology (2202) (A.S.) degree. Contact an advisor to determine the career education path that is best for you.

Advising

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

Program Learning Outcomes

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

- Students will learn the application, function, and diagnosis of ADAS systems
- Students will learn the application, function, and diagnosis of ADAS passive sensors (cameras, yaw, steering angle, steering touch)
- Students will learn the application, function, and diagnosis of ADAS active sensors (ultrasonic, RADAR, LiDAR)
- Students will learn the calibration for front mounted camera, front RADAR, blind spot RADAR, and rear/surround view cameras

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. Professional Elective Coursework options are listed in the final table of this roadmap.

Term 1

☑	Course: Course Title	Credit Hours	Terms Offered
☐	ETD 1100C: Engineering Drawing	3	All
☐	BCN 1251: Construction Drawing	3	Fall
☐	BCN 2614: Planning and Estimating	3	Fall

Term 2

☑	Course: Course Title	Credit Hours	Terms Offered
☐	CGS 2470: Computer Aided Drafting and Design	3	All
☐	BCN 2793: Managing Building Construction	3	All

Term 3

☑	Course: Course Title	Credit Hours	Terms Offered
☐	Professional Elective	3	Varies
☐	Professional Elective	3	Varies
☐	Professional Elective	3	Varies

Total Program Credit Hours

The **Advanced Computer-Aided Technical Design** T.C. program requires a **minimum of 24 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

Minimum Credit Hours: 9

☑	Course: Course Title	Credit Hours	Terms Offered
☐	ETD 2350: CAD - Advanced	3	Fall
☐	ETD 2395: CAD - Architectural	3	Fall, Spring
☐	ETD 2536: CAD - Mechanical	3	Fall, Spring
☐	ETD 2551: CAD - Civil	3	Fall

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.