

The Technical Certificate (T.C.) in GIS (Geographic Information System) Technician will provide the essential skills and knowledge needed to obtain entry-level jobs as a draftsman and architectural assistant.

This certificate will also increase job skills for other engineering technology degrees. GIS is a computer-based tool used to map and analyze spatial relationships. GIS technology integrates database operations with statistical analysis and presents this information visually using different mapping methods. Improved computer software and hardware is increasing the potential GIS applications and career opportunities open to individuals with GIS experience.

<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"/> 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.

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.

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.

Note: ETD 1100C and GEO 2420 may be taken at any time.

Term 1

<input checked="" type="checkbox"/>	Course: Course Title	Credit Hours	Terms Offered
<input type="checkbox"/>	CGS 1100C: Microcomputer Applications for Business and Economics	3	All
<input type="checkbox"/>	ETD 1100C: Engineering Drawing	3	All

Term 2

<input checked="" type="checkbox"/>	Course: Course Title	Credit Hours	Terms Offered
<input type="checkbox"/>	CGS 2542: Database Concepts for Microcomputers	3	All
<input type="checkbox"/>	GEO 2420: Fundamentals of Geographic Information Systems	3	Fall, Spring

Term 3

<input checked="" type="checkbox"/>	Course: Course Title	Credit Hours	Terms Offered
<input type="checkbox"/>	GIS 2040: Fundamentals of Geographic Information Systems	3	Fall

Term 4

<input checked="" type="checkbox"/>	Course: Course Title	Credit Hours	Terms Offered
<input type="checkbox"/>	GIS 2045: Intermediate Geographic Information Systems	3	Spring

Term 5

<input checked="" type="checkbox"/>	Course: Course Title	Credit Hours	Terms Offered
<input type="checkbox"/>	GIS 2046: Advanced Geographic Information Systems	3	Spring, Summer

Total Program Credit Hours

The **GIS (Geographic Information System) Technician T.C.** program requires a **minimum of 21 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 not eligible** for financial aid.

Program Learning Outcomes

While completing this program, students will learn:

- Fundamentals of Geographic Information Systems (GIS)
- GIS tools
- GIS mapping and analyzing spatial relationships