

About the Program

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.

Program Requirements

This program requires a **minimum of 21 credit hours**. Total program hours may vary based on the student's individual academic plan. This program is **not eligible** for financial aid.

Students in this program are not required to complete math courses unless they are listed as part of the certificate program. If you plan to pursue the degree program in this same field, please note that **this certificate articulates directly into** the Architectural Design and Construction Technology (A.S.) degree, which includes an **Algebra Through Calculus math pathway**. To learn more about the Architectural Design and Construction Technology (A.S.) degree, visit fscj.edu/academics/programs/as/2202.

Placement Testing

College placement testing assesses incoming students' skill levels in English, mathematics, and reading. Students are exempt from placement testing if they meet any of the following conditions:

- Entered the ninth grade in a Florida public school in 2003 or after and graduated from a Florida Public High school with a standard high school diploma
- Are currently serving as an active-duty member of any branch of the U.S. Armed Services
- Have received an A.A., A.S., A.A.S. or higher from an accredited institution
- Have completed college-level courses in English and mathematics
- Have completed upper-level developmental courses in English/Reading and Mathematics
- Are a Transient student (Florida Shines or transient letter from home institution is required)

All other students in this program must take a placement test. 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 and are also required to take one of two student success strategies courses. For additional information, visit catalog.fscj.edu/academics/developmental-education-programs or speak with an advisor.

Technical Certificate Graduation Requirements

- ☐ Fulfill all academic requirements for the chosen program of study as outlined in the Florida State College at Jacksonville catalog and curriculum.
- ☐ Earn minimum prescribed semester hours for the chosen program of study with a cumulative grade point average of 2.0 (C) on a 4.0 scale on all courses that apply to the chosen program of study.
- ☐ Complete a minimum of 25 percent of the total hours required for the program in residence at Florida State College at Jacksonville. Credit by examination and credit for prior learning do not count toward this residency requirement.
- ☐ Fulfill all obligations, financial or otherwise, to the College before graduating.

Catalog Year

This document is prepared for students with a **2025-26 College Catalog year** who have not tested into developmental education courses. **Students who enter under the 2025-26 catalog** will be assigned to the degree or certificate requirements in effect during the 2025-26 academic year. The student's assigned catalog year will remain in effect as long as the student maintains continuous enrollment. Changes to requirements as mandated by law or by rule of the District Board of Trustees may supersede this provision.

To maintain continuous enrollment, a student must have registration for, and successful completion of, at least one course within a three-term period. After three consecutive terms of no enrollment, the student will be discontinued from the current program of study and will need to apply to FSCJ to reenter under the same program of study. Upon readmission, the student will be assigned to the current catalog of record in the chosen program.

Sample Roadmap

All courses in this program must be completed with a grade of C or higher.

This sample roadmap shows one possible pathway to program completion and may not be appropriate for all students. **Terms Offered** are subject to change. Please verify course availability at fscj.edu/schedules. Prior to enrolling in classes, please meet with an advisor for specific guidance about your individual academic plan.

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

Term 1: Fall, Spring or Summer

- ☐ CGS 1100C - Microcomputer Applications for Business and Economics, Credit Hours: 3. **Terms Offered:** Fall, Spring, Summer. Grade Earned: _____
- ☐ ETD 1100C - Engineering Drawing, Credit Hours: 3. **Terms Offered:** Fall, Spring, Summer. Grade Earned: _____

Term 2: Spring

- ☐ CGS 2542 - Database Concepts for Microcomputers, Credit Hours: 3. **Terms Offered:** Fall, Spring, Summer. Grade Earned: _____
- ☐ GEO 2420 - Cultural Geography, Credit Hours: 3. **Terms Offered:** Spring. Grade Earned: _____

Term 3: Fall

- ☐ GIS 2040 - Fundamentals of Geographic Information Systems, Credit Hours: 3. **Terms Offered:** Fall. Grade Earned: _____

Term 4: Spring

Students may complete GIS 2045 and GIS 2046 by completing GIS 2045 in the A7 session and GIS 2046 in the C7 session.

- ☐ GIS 2045 - Intermediate Geographic Information Systems, Credit Hours: 3. **Terms Offered:** Spring. Grade Earned: _____
- ☐ GIS 2046 - Advanced Geographic Information Systems, Credit Hours: 3. **Terms Offered:** Spring. Grade Earned: _____

Course Requirements

Prerequisites, corequisites, and conditions for any course are subject to change. Students must meet the prerequisite and corequisite requirements of any course at the time the student attempts to register for that course. If you have questions about the prerequisites, corequisites, or conditions for a course, please contact any academic advisor.

Professional Courses

Complete all of the following courses.

CGS 1100C - Microcomputer Applications for Business and Economics, Credit Hours: 3. **Prerequisite(s)**: None. **Corequisite(s)**: None. **Conditions**: None. **Terms Offered**: Fall, Spring, Summer.

CGS 2542 - Database Concepts for Microcomputers, Credit Hours: 3. **Prerequisite(s)**: CGS 1060C or CGS 1100C. **Corequisite(s)**: None. **Conditions**: None. **Terms Offered**: Fall, Spring, Summer.

ETD 1100C - Engineering Drawing, Credit Hours: 3. **Prerequisite(s)**: None. **Corequisite(s)**: None. **Conditions**: None. **Terms Offered**: Fall, Spring, Summer.

GEO 2420 - Cultural Geography, Credit Hours: 3. **Prerequisite(s)**: Qualify for enrollment in ENC 1101. **Corequisite(s)**: None. **Conditions**: None. **Terms Offered**: Spring.

GIS 2040 - Fundamentals of Geographic Information Systems, Credit Hours: 3. **Prerequisite(s)**: None. **Corequisite(s)**: CGS 2542. **Conditions**: None. **Terms Offered**: Fall.

GIS 2045 - Intermediate Geographic Information Systems, Credit Hours: 3. **Prerequisite(s)**: GIS 2040. **Corequisite(s)**: None. **Conditions**: None. **Terms Offered**: Spring.

GIS 2046 - Advanced Geographic Information Systems, Credit Hours: 3. **Prerequisite(s)**: GIS 2045. **Corequisite(s)**: None. **Conditions**: None. **Terms Offered**: Spring.