

## About the Program

The Technical Certificate (T.C.) in CNC Machinist/Fabricator focuses on basic and advanced machining and basic CNC programming.

## Program Requirements

This program requires a **minimum of 12 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 Engineering Technology (Advanced Manufacturing (2320) (A.S.) degree**, which includes an **Algebra Through Calculus math pathway**. To learn more about the Engineering Technology degree, visit [fscj.edu/academics/programs/as/2320](https://fscj.edu/academics/programs/as/2320).

## Placement Testing

**Please meet with an advisor to determine if college placement testing is required.** 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](https://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.

## Curriculum

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

### Sample Roadmap

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](https://fscj.edu/schedules). Prior to enrolling in classes, please meet with an advisor for specific guidance about your individual academic plan.

#### Term 1: Fall

Students may complete PMT 1203C and PMT 2213C in a single term by completing PMT 1203C in the A7 session and PMT 2213C in the C7 session.

- ☐ **PMT 1203C - Introduction to Machining**, Credit Hours: 3. **Terms Offered:** Fall. Grade Earned: \_\_\_\_\_
- ☐ **PMT 2213C - Advanced Machining I**, Credit Hours: 3. **Terms Offered:** Fall. Grade Earned: \_\_\_\_\_

#### Term 2: Spring

Students may complete PMT 2214C and PMT 2250C in a single term by completing PMT 2214C in the A7 session and PMT 2250C in the C7 session.

- ☐ **PMT 2214C - Advanced Machining II**, Credit Hours: 3. **Terms Offered:** Spring. Grade Earned: \_\_\_\_\_
- ☐ **PMT 2250C - CNC Programming I**, Credit Hours: 3. **Terms Offered:** Spring. Grade Earned: \_\_\_\_\_

## Course Requirements

### Professional Courses

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.

**Complete all of the following courses.**

**PMT 1203C - Introduction to Machining**, Credit Hours: 3. **Prerequisite(s):** None. **Corequisite(s):** None. **Conditions:** None. **Terms Offered:** Fall.

**PMT 2213C - Advanced Machining I**, Credit Hours: 3. **Prerequisite(s):** PMT 1203C. **Corequisite(s):** None. **Conditions:** None. **Terms Offered:** Fall.

**PMT 2214C - Advanced Machining II**, Credit Hours: 3. **Prerequisite(s):** PMT 1203C and PMT 2213C. **Corequisite(s):** PMT 1203C and PMT 2213C. **Conditions:** None. **Terms Offered:** Spring.

**PMT 2250C - CNC Programming I**, Credit Hours: 3. **Prerequisite(s):** PMT 2213C and PMT 2214C. **Corequisite(s):** PMT 2213C and PMT 2214C. **Conditions:** Students who have not completed the prerequisite course requirements may seek departmental permission prior to enrollment in this course. **Terms Offered:** Spring.