



**Engineering Technology (Advanced Manufacturing) (2320) | A.S. Degree**

**PROGRAM DESCRIPTION**

The Associate in Science (A.S.) in Engineering Technology degree is an advanced manufacturing technology degree that specializes in computer-controlled systems for manufacturing applications. Student training includes electronics, industrial components, various computer control software and hardware applications, industrial control circuits, programmable logic controllers (PLCs), CNC, hydraulics and pneumatics. Students also take specialized courses in automated manufacturing systems such as automated process control, which prepares them to work in the manufacturing, food, chemical, paper pulp and pharmaceutical industries.

**Mission/Purpose**

The mission of this program is to provide a high-quality and relevant degree which prepares students for distinctive success in the installation, repair and maintenance of industrial/manufacturing environments.

**Application**

Available online at [fscj.edu/admissions](http://fscj.edu/admissions)

**Entry Requirements**

- High school diploma or high school equivalency
- Check with program to learn about course or program prerequisites.

**Embedded Technical Certificates**

- Advanced Manufacturing (Automation) T.C.
- CNC Machinist/Fabricator T.C.
- Engineering Technology Support Specialist T.C.
- Mechatronics T.C.
- Pneumatics, Hydraulics and Motors for Manufacturing T.C.

**Total Credit Hours: 60**

**JOB PROFILE**

Duval and Nassau Counties

**Industrial Machinery Mechanic**

Local employment (2016).....	1,149
Number of job openings.....	41 /year
Job growth (2015-2025).....	8%

**Expected salaries:**

- \$17.59/hr. (entry)<sup>1</sup>
- \$26.04/hr. (average)
- \$29.08/hr. (10+ years)<sup>2</sup>

Source: EMSI Developer

1 Average of 10th & 25th percentile salaries  
2 Average of 50th & 75th percentile salaries

As of 1/19/2017

## FREQUENTLY ASKED QUESTIONS

### What are the program completion requirements?

To earn an A.S. in Engineering Technology (Advanced Manufacturing), students must complete the following:

1. Fulfill all academic requirements for the chosen program of study as outlined in the Florida State College at Jacksonville catalog and curriculum.
2. Earn a cumulative grade point average of 2.0 ("C") at Florida State College at Jacksonville in courses eligible toward the Associate in Science degree programs, excluding developmental education courses. (A.S. Florida State College at Jacksonville GPA).
3. Earn an all-college cumulative grade point average of 2.0 ("C") on a 4.0 scale on all courses attempted. This includes Florida State College at Jacksonville college-credit hours and transferred credits (excluding developmental education) in lower division courses. (All college cumulative.)
4. 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 by portfolio development do not count toward this residency requirement.
5. Complete the required credit hours, as specified by the degree, of which a minimum of 15 credit hours must be General Education requirements.
6. Earn a grade of a "C" or better in each course used to satisfy the General Education requirements and any other area designated with a "C" or better requirement.
7. Fulfill all obligations, financial or otherwise, to the College before they may graduate.

### Where are the educational courses held?

FSCJ Advanced Technology Center, 401 West State St., 32202

### When is enrollment?

Fall Term

Spring Term

Summer Term

### How long is the program?

Program Length: 5 Terms

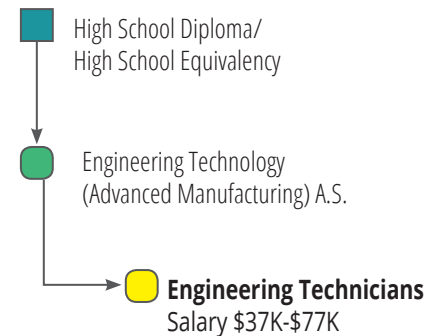
Total Credit Hours: 60

### What is the cost of the program?

The approximate cost of tuition and fees is \$6,558.\* Besides tuition and fees, students have to pay for things like living expenses, transportation, supplies and books. Book costs vary widely by program and course selection as well as choice of electives; students are encouraged to budget about \$80 per credit hour. Many students attending FSCJ qualify for financial aid, which can greatly reduce out-of-pocket expenses. This program is Federal financial aid eligible. Check our website to learn more about full cost of attendance and whether you may qualify for financial assistance.

*\*Tuition reflects Florida resident rates and are subject to change. Certain classes that require labs may have additional fees for lab supplies. Additional fees are published in the class schedul*

## CAREER PATHWAYS



Source: Payscale.com