

Engineering Technology Drafting Technology Certificate

Engineers help find ways to feed and house the world! And have shrunk supercomputers to fit into your pocket! Everything around you was created with the designs and innovation of Engineers. Engineers combine an understanding of people's goals, innovative science, practical methods and perseverance to create the modern world.

Please see a Pathways Counselor: Create an education plan customized to meet your needs. [Contact a Counselor](#)

Transfer Majors/Award Focus

- Engineering Drafting Technology, A.S.
- Engineering Technologist Support Certificate
- Engineering: Drafting Technology Certificate

GE Pattern/Units

- GE Pattern: Option N/A
- Total Units: 17



Program maps indicate the major coursework and recommended general education courses to fulfill your degree in 2 years (approximately 15 units/semester or 30 units/year). If you are a part-time student, start Semester 1 courses and follow the course sequence. Some of the courses listed may be substituted by another course. Please view these options in the official course [catalog](#).

Semester 1

8 Units

| ✓ | COURSE | TITLE | UNIT |
|--------------------------|----------|----------------------------------|------|
| <input type="checkbox"/> | ENGR-154 | Computer Aided Drafting I | 3 |
| <input type="checkbox"/> | PHOT-125 | Digital Photography Production I | 3 |
| <input type="checkbox"/> | ENGR-180 | Intro to Engineering | 3 |

Semester 2

6 Units

| ✓ | COURSE | TITLE | UNIT |
|--------------------------|----------|----------------------------|------|
| <input type="checkbox"/> | ENGR-155 | Computer Aided Drafting II | 3 |
| <input type="checkbox"/> | ENGR-756 | SolidWorks I | 3 |

Semester 3

3 Units

| ✓ | COURSE | TITLE | UNIT |
|--------------------------|----------|----------------|------|
| <input type="checkbox"/> | ENGR-757 | Microstation I | 3 |

Career Options

Surveying Technicians (C, A)
Civil Engineers (B, M)
Mechanical Engineering Technologists (A, B)
Mapping Technicians (SM, C, B)
Find more careers: msjc.emsicc.com

Required Education: SM: some college; C: Certificate; A: Associate,
B: Bachelor's, M: Master's; D: Doctorate

Financial Aid



Financial aid is determined by the number of credit hours you take in a semester. Maximize your financial aid by taking 12-15 units per semester.

Apprenticeship Opportunity

The MSJC Apprenticeship Program offers students opportunities to advance in a career while they continue their education. Students receive paid on-the-job training and tuition-free education that directly supports their development in their profession.