

ENGINEERING TECHNOLOGY

Program Description

Engineering Technology is a non-transfer program offering one certificate. Some of the courses do transfer to four-year colleges and universities. The program will prepare students for a career in civil engineering, architecture, surveying, and mechanical engineering. Students become familiar with computer hardware and software programs which will assist in many industries including construction and fabrication.

Transfer Preparation

MSJC offers a range of course work to prepare students for the workforce or to transfer to four-year colleges and universities. All four-year institutions prescribe their own standards for course evaluation and admissions. Courses that fulfill major requirements for an associate degree in this program might not be the same as those required for transfer into a similar major at a four-year university.

Transfer students are advised to do research on prospective majors and careers through the Career/Transfer Center and the MSJC catalog. Students interested in transferring to CSU's or UC's can access major preparation by visiting <http://www.assist.org>. All students are advised to meet with a counselor at least once a semester to create or update their comprehensive education plan.

Contact Information

San Jacinto Campus

(951) 487-MSJC (6752)

1-800-624-5561

Dean of Instruction, Career Education (951) 639-5352

careereducation@msjc.edu

Menifee Valley Campus

(951) 672-MSJC (6752)

1-800-452-3335

Dean of Instruction, Career Education (951) 639-5352

careereducation@msjc.edu

Degrees/Certificates

Certificate

- Engineering Technologist Support Certificate (<https://catalog.msjc.edu/instructional-programs/engineering-technology/engineering-technologist-support-certificate/>)

Program Learning Outcomes

- Demonstrate knowledge of mathematics, surveying, computer automated drafting, and machining to apply this knowledge to proper engineering use within the workforce.
- Solve surveying engineering problems in practice by applying fundamental knowledge of mathematics, statistics, and science by using modern surveying engineering techniques, skills, and tools.
- Demonstrate knowledge and understanding of important characteristics of traditional manufacturing production methods including both basic engineering and technological aspects.

Careers and Salaries

Discover in-demand careers and education options based on your interests! See the list of careers below or explore further by searching for Careers or Programs (<https://msjc.emsicc.com>).

Note: There are no guaranteed positions for students completing these programs. Education and work experience required will vary by employer. The salary and benefits for specific occupations will be dependent on work experience, education, background, and employer. Labor market statistics are from the Bureau of Labor Statistics, US Census Bureau, O-NET, EMSI.

Career/Industries	CA Annual Median Salary or Range	Employment Demand or Opening CA
Surveying Technicians (C, A)	\$63,793	625
Civil Engineers (B, M)	\$103,372	3,880
Mechanical Engineering Technologists (A, B)	\$70,346	1,009
Water/Wastewater Engineers (B, M+)	\$101,982	618

(*degree required: SM some college, C: Certificate, A: Associate degree, B: Bachelor's degree, M: Master's degree, D: Doctorate*)