



ENGINEERING TECHNOLOGY

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Degree(s)

Transfer:
None

Non-Transfer:
None

Certificate(s)

Certificate in Engineering Technologist Support ^{35043 CTENGR.ETS}

Employment Concentration Certificate(s)
None

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.

CAREER OPPORTUNITIES

All career opportunities listed are representative careers in each field. There are no guaranteed positions for students completing these programs. ([See: www.onetonline.org](http://www.onetonline.org))

Certificate

Engineering Technologist Support

Training received with completion of this certificate can increase the likelihood of students being hired in various fields of engineering including Electrical, Computer Integrated Manufacturing, Civil, and Architecture

TRANSFER PREPARATION

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

degrees and majors in the Career/Transfer Center, access www.assist.org, review the MSJC catalog and meet with a counselor to expedite their transfer plan.

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.

CERTIFICATE

Certificate in Engineering Technologist Support (18 units)

The coursework in this certificate uses project based learning curriculum from Project Lead the Way. It provides the framework for students to enter into an entry-level career in Engineering Technology, as a support person for an Engineering Technologist. Training received with completion of this certificate provides experience in various fields of engineering, such as, Electrical, Computer Integrated Manufacturing, Civil, and Architectural.

Required Courses (18 units)

ENGR-120	Principles of Engineering Technology	3 units
ENGR-121	Introduction to Engineering Design	3 units
ENGR-122	Electronics for Engineering Technologists	3 units
ENGR-123	Computer Integrated Manufacturing	3 units
ENGR-124	Civil Engineering and Architecture	3 units
ENGR-125	Engineering Design and Development	3 units

Mt. San Jacinto College
 Undergraduate certificate in Engineering Technologist Support
 Program Length: 36 weeks

Students graduating on time

0% of Title IV students complete the program within 36 weeks¹

Program Costs*

\$828 for in-state tuition and fees

\$6,138 for out-of-state tuition and fees

\$1,971 for books and supplies

Other Costs:

Parking Permits cost \$68 a year or \$34 a semester

RTA Go Pass cost \$12 a year or \$6 a semester

SGA discount sticker (optional) - \$14 a year or \$7 a semester

Student representation fee (optional) - \$2 a year or \$1 a semester

Help a Student Fund (optional) - \$4 a year or \$2 a semester

Student Health Center Fee - \$40 a year or \$20 a semester

*For summer session fees, please see: <https://www.msjc.edu/StudentServices/EnrollmentServices/Pages/What-Fees-do-I-have-to-pay.aspx>

Visit website for more program cost information: www.msjc.edu/StudentServices/EnrollmentServices/Pages/What-Fees-do-I-have-to-pay.aspx

*The amounts shown above include costs for the entire program, assuming normal time to completion.

Note that this information is subject to change.

Students Borrowing Money

The typical graduate leaves with

N/A* in debt²

*Fewer than 10 students completed this program within normal time. This number has been withheld to preserve the confidentiality of the students.

The typical monthly loan payment

N/A* per month in student loans with an interest rate of N/A*⁴.

*Fewer than 10 students completed this program within normal time. This number has been withheld to preserve the confidentiality of the students.

Graduates who got jobs

N/A* of program graduates got jobs

*We are not currently required to calculate a job placement rate for program completers.

Program graduates are employed in the following fields: Construction Managers: <http://onetonline.org/link/summary/11-9021.00>

Architectural and Engineering Managers: <http://onetonline.org/link/summary/11-9041.00>

Cost Estimators: <http://onetonline.org/link/summary/13-1051.00>

Surveyors: <http://onetonline.org/link/summary/17-1022.00>

Surveying Technicians: <http://onetonline.org/link/summary/17-3031.01>

Mapping Technicians: <http://onetonline.org/link/summary/17-3031.02>

Licensure Requirements⁶

The following do not have licensure requirements for this profession:

California

Additional Information:

No additional notes provided.

Date Created: 5/20/2019

These disclosures are required by the U.S. Department of Education

Footnotes:

¹ The share of students who completed the program within 100% of normal time (36 weeks).

² The share of students who borrowed Federal, private, and/or institutional loans to help pay for college.

³ The median debt of borrowers who completed this program. This debt includes federal, private, and institutional loans.

⁴ The median monthly loan payment for students who completed this program if it were repaid over ten years at a NA* interest rate.

⁵ The median earnings of program graduates who received Federal aid.

⁶ Some States require students to graduate from a state approved program in order to obtain a license to practice a profession in those States.

⁷ **State Job Placement Rate:**

Name of the state this placement rate is calculated for:

N/A

Follow the link below to find out who is included in the calculation of this rate:

N/A

What types of jobs were these students placed in?

N/A

When were the former students employed?

N/A

How were completers tracked?

N/A

⁸ **Accreditor Job Placement Rate:**

Name of the accrediting agency this placement rate is calculated for:

N/A

Follow the link below to find out who is included in the calculation of this rate:

N/A

What types of jobs were these students placed in?

N/A

When were the former students employed?

N/A

How were completers tracked?

N/A