



# ENGINEERING TECHNOLOGY

Associate of Science Degree

## PURPOSE

The Engineering Technology program prepares students for the field of engineering technology at the entry level.

## CAREER OPPORTUNITIES

Engineering Technician  
Engineering Technologist

## MAJOR COURSES

Introduction to Engineering Drafting & Design  
Basic Engineering Drafting 1  
Basic Engineering Drafting 2  
Engineering Design and Graphics  
Materials in Engineering  
Properties of Materials  
Statics and Strength of Materials  
Intermediate Algebra  
Precalculus 1  
Introduction to Engineering & Architecture  
Advanced Topics in CAD  
Machine Tool Technology  
Arc and Gas Welding

## FACULTY ADVISORS

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## CAREER PROFILE

### Engineering Technician

#### OVERVIEW

Engineering Technicians assist engineers in the planning, research, design, and development of engineering projects. They may also work in manufacturing and sales of products. They may test and troubleshoot electrical, computer, and electronics systems. Others may work on a survey crew, calculate land areas, prepare drawings, search records, and inspect projects for quality and adherence to specifications.

#### FUTURE OUTLOOK

Opportunities will be best for individuals with an associate degree or extensive job training in engineering technology. As technology becomes more sophisticated, employers will continue to look for technicians who are skilled in new technology and require a minimum of additional job training. An increase in the number of jobs related to public health and safety should create job opportunities for engineering technicians with the appropriate training and certification.

#### SALARY OPPORTUNITIES

	LOW	MEDIAN	HIGH
U.S.	\$26,000	\$42,500	\$61,950
Modesto	\$17,909	\$37,898	\$47,882

Sources:

U.S. Bureau of Labor Statistics <http://www.bls.gov>

Occupational Outlook Handbook <http://www.bls.gov/oco/>

California Labor Market Information Office <http://www.calmis.cahwnet.gov>