

## Contact Us

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## Program Overview

The degree in Engineering Technology provides graduates with a wide variety of career opportunities. Engineering Technology students can choose from three different majors. These are Electronic Engineering Technology, Engineering Design Technology and Mechanical Engineering Technology. Each of these programs produces graduates who are well prepared to enter the job market in their chosen field. Engineering Technology students are required to have a graphing electronic calculator (Texas Instruments Model TI-83). Students who are planning to transfer to a four-year college or university should schedule an appointment with the college's transfer coordinator for assistance. Entrance requirements for transfer students vary widely among senior colleges and universities. It is also recommended that the student contact the college or university he/she plans to attend for additional transfer information.

*Courses with a prefix EET or MET must be less than 8 years old in order to count toward a certificate, diploma, or degree program. Courses with a prefix of EGT or EGR must be less than 5 years old to count toward a certificate, diploma or degree program*

## PROGRAM REQUIREMENTS

### A.A.S., Major in Engineering Design Technology

All phases of manufacturing or construction require the translation of ideas and design concepts into the common language of engineering drawings. Therefore, drafting and design technicians play a major role in the design and development of new products or construction. This program prepares students for actual work situations through substantial training in state-of-the-art laboratories using Computer Aided Drafting (CAD), Design and 3D modeling systems.

This program is accredited by the Engineering Technology Accreditation Commission of ABET, <http://www.abet.org>.

## GENERAL EDUCATION COURSES

COURSES	CREDIT HOURS
ENG 101 English Composition I.....	3.0
or ENG 165 Professional Communications	
MAT 110 College Algebra.....	3.0
MAT 111 College Trigonometry.....	3.0
PSY 103 Human Relations.....	3.0
or PSY 201 General Psychology	
Elective Humanities/Fine Arts .....	3.0

**SUBTOTAL: 15.0**

## REQUIRED CORE SUBJECT AREAS

COURSES	CREDIT HOURS
EGT 110 Engineering Graphics I .....	4.0
EGT 151 Introduction to CAD.....	3.0
EGR 130 Engineering Technology Applications and Programming .....	3.0
EGR 175 Manufacturing Processes .....	3.0
EGR 194 Statics and Strengths of Materials.....	4.0

**SUBTOTAL: 17.0**

## OTHER COURSES REQUIRED FOR GRADUATION

COURSES	CREDIT HOURS
CIM 131 Computer Integrated Manufacturing.....	3.0
or AET 101 Building Systems I	
EGR 170 Engineering Materials .....	3.0
EGT 115 Engineering Graphics II.....	4.0
EGT 125 Descriptive Geometry.....	2.0
EGT 165 Introduction to CAD/CAM .....	2.0
EGT 215 Mechanical Drawing Applications .....	4.0
EGT 225 Architectural Drawing Applications .....	4.0
EGT 251 Principles of CAD .....	3.0
EGT 252 Advanced CAD .....	3.0
PHY 201 Physics I.....	4.0
or for transfer PHY 221 University Physics I (if prerequisite MAT 140 has been completed)	
PHY 202 Physics II .....	4.0
or for transfer PHY 222 University Physics II	

**SUBTOTAL: 36.0**

**TOTAL CREDIT HOURS: 68.0**

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