

## 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 four different majors. These are Electronic Engineering Technology, Engineering Design Technology and Mechanical Engineering Technology. Each of these programs produces technicians 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 Mechanical Engineering Technology, Mechanical Engineering Concentration

The Mechanical Engineering Technology curriculum equips the graduate for: performing a key role in the mechanical design process; installing, troubleshooting and repairing mechanical and electro-mechanical equipment; programming CNC machine tools, computers, programmable controllers and robots; performing general maintenance functions.

Most industrial products are mechanical in nature, and almost nothing can be made without the use of machines and structures. There will always be a need for the Mechanical Engineering Technology specialist.

## 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
CIM 131 Computer Integrated Manufacturing.....	3.0
EGR 170 Engineering Materials .....	3.0
EGR 175 Manufacturing Processes .....	3.0
EGR 194 Statics and Strengths of Materials.....	4.0
EGT 152 Fundamentals of CAD .....	3.0

**SUBTOTAL: 16.0**

## OTHER COURSES REQUIRED FOR GRADUATION

COURSES	CREDIT HOURS
EET 113 Electrical Circuits I .....	4.0
EET 212 Industrial Robotics.....	3.0
EGR 130 Engineering Technology Applications and Programming .....	3.0
EGT 110 Engineering Graphics I .....	4.0
MET 213 Dynamics.....	3.0
MET 214 Fluid Mechanics.....	3.0
MET 222 Thermodynamics.....	4.0
MET 231 Machine Design .....	4.0
MET 240 Mechanical Senior Project .....	1.0
PHY 201 Physics I.....	4.0
PHY 202 Physics II .....	4.0

**SUBTOTAL: 37.0**

**TOTAL CREDIT HOURS: 68.0**

# A.A.S., Major in Mechanical Engineering Technology, Electro-Mechanical Engineering Concentration

## 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
CIM 131 Computer Integrated Manufacturing.....	3.0
EGR 170 Engineering Materials .....	3.0
EGR 175 Manufacturing Processes .....	3.0
EGR 194 Statics and Strengths of Materials.....	4.0
EGT 152 Fundamentals of CAD .....	3.0

**SUBTOTAL: 16.0**

## OTHER COURSES REQUIRED FOR GRADUATION

COURSES	CREDIT HOURS
EET 113 Electrical Circuits I .....	4.0
EET 131 Active Devices .....	4.0
EET 212 Industrial Robotics.....	4.0
EET 231 Industrial Electronics.....	4.0
EGR 130 Engineering Technology Applications and Programming .....	3.0
EGT 110 Engineering Graphics I .....	4.0
MET 214 Fluid Mechanics.....	3.0
MET 231 Machine Design.....	4.0
MET 240 Mechanical Senior Project.....	1.0
PHY 201 Physics I.....	4.0
PHY 202 Physics II.....	4.0

**SUBTOTAL: 38.0**

**TOTAL CREDIT HOURS: 69.0**

Visit [www.ptc.edu/engineering](http://www.ptc.edu/engineering) to learn more.

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