PIEDMONT Technical College
Your goals. Our mission.

Electronic Engineering Technology Curriculum

Contact Us

Doug Massey, Instructor
Phone: (864) 941-8484 | E-mail: massey.d@ptc.edu

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 Graphics Technology, General Engineering 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 Electronic Engineering Technology

With electronic and computer circuits now being used in everything from the most complex industrial equipment to the simplest of household appliances, the engineering technician in this field is prepared to work in an extremely wide variety of businesses and industries.

Skilled in the operation, troubleshooting, calibration and repair of electronic instruments and systems found in process control, communications, computers, manufacturing, programmable logic controllers and microprocessors, the graduate is not limited to one specific area of employment.

Practical, hands-on experience on sophisticated electronic equipment provides the student with the skills necessary to assist in the basic design, construction, analysis, modification, inspection and calibration of electronic circuits and systems.

Accredited by the Engineering Technology Accreditation Commission of ABET, **http://www.abet.org**, this program offers a comprehensive introduction both to the theoretical principles governing electronic systems and the practical application of those principles.

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
EET 141	Electronic Circuits	4.0
EET 145	Digital Circuits	4.0
EET 231	Industrial Electronics	4.0
EET 235	Programmable Controllers	3.0

SUBTOTAL: 15.0

OTHER COURSES REQUIRED FOR GRADUATION

COURSES		CREDIT HOURS
EET 111	D.C. Circuits	4.0
EET 112	A.C. Circuits	4.0
EET 131	Active Devices	4.0
EET 233	Control Systems	4.0
EET 241	Electronic Communications	4.0
EET 251	Microprocessor Fundamentals	4.0
EET 273	Electronics Senior Project	1.0
EGR 130	Engineering Technology Applications and Programming	3.0
EGT 151	Introduction to CAD	3.0
MAT 130	Elementary Calculus	3.0
	or MAT 140 Analytical Geometry and Calculus I	4.0

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: 42.0/43.0
TOTAL CREDIT HOURS: 72.0/73.0

>>> Visit www.ptc.edu/engineering to learn more.