Associate in Applied Science Degree

ELECTRONICS ENGINEERING TECHNOLOGY

Electronic and computer circuits are now being used in everything from complex medical equipment to simple household appliances. If you enjoy working with this exciting technology, you should consider HGTC's Associate of Applied Science in Electronics Engineering Technology. The engineering technician in this field has the skills and knowledge to work in a wide variety of businesses and industries. Also, graduates have the option to transfer to a senior institution and pursue a Bachelor's Degree in Engineering Technology. For transfer option see an Electronics Engineering Program advisor.

Required Courses

Electronics Engineering Technology Requirements

DEGREE REQUIREMENTS: ELECTRONIC ENGINEERING TECHNOLOGY

Component	Course Title	Semester Credit Hours
GENERAL EDUCATION		
MAT 175	Algebra and Trigonometry I*	3
ENG 155	Communications I*	3
PHY 201	Physics I	4
PHI 110	Ethics	3
ECO 210	Macroeconomics	3
	CREDITS	**16**
REQUIRED CORE SUBJECT AREAS		
EET 113	Electrical Circuits I-DC	4
EET 210	Digital Integrated Circuits	4
EET 145	Electrical Circuits II - AC	4
EGR 275	Introduction to Engineering/Computer Graphics	3
	CREDITS	**15**
OTHER HOURS REQUIRED FOR GRADUATION		
EET 114	Electrical Circuits II - AC	4
EET 131	Active Devices	4
EET 147	I.C. Circuits	2
EET 218	Electrical Power Systems	4
EET 220	Analog Integrated Circuits	3
EET 227	Electrical Machines	3
EET 231	Industrial Electronics	4
EET 235	Programmable Controllers	3
EET 236	PLC Systems Programming	3
EET 243	Data Communications	3
EET 253	Microprocessors	4
EET 275	Intro to Robotics Manufacturing Technologies	3
	CREDITS	**40**
	TOTAL CREDIT HOURS	**71**

(Continued)

*The following university transferable sequences may be substituted: MAT 110 & MAT 111, or MAT 140 for MAT 175, ENG 101 for ENG 155, and PHY 221 for PHY 201. Please see department chair for specific details.