

Associate in Applied Science Degree

ELECTRONICS ENGINEERING TECHNOLOGY

Electronic and computer circuits are now being used in everything from complex industrial 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.

CURRICULUM SEQUENCE

First Semester - Fall

	Course Title	Semester Credit Hours
EET 113	Electrical Circuits I - DC	4
EET 145	Digital Circuits	4
EGR 275	Introduction to Engineering/ Computer Graphics	3
MAT 175	Algebra Trigonometry I*	3
	TOTAL	14

Second Semester - Spring

EET 114	Electrical Circuits II - AC	4
EET 210	Digital Integrated Circuits	4
EET 275	Intro to Robotics Manufacturing Technologies	3
ENG 155	Communications I*	3
	TOTAL	14

Third Semester - Summer

EET 131	Active Devices	4
EET 227	Electrical Machines	3
EET 253	Microprocessors	4
	TOTAL	11

Fourth Semester - Fall

EET 147	I.C. Circuits	2
EET 220	Analog Integrated Circuits	3
EET 231	Industrial Electronics	4
EET 235	Programmable Controllers	3
PHY 201	Physics I	4
	TOTAL	16

Fifth Semester - Spring

ECO 210	Macroeconomics	3
EET 218	Electrical Power Systems	4
EET 236	PLC Systems Programming	3
EET 243	Data Communications	3
PHI 110	Ethics	3
	TOTAL	16
	TOTAL CREDIT HOURS	71

*The following university transferable sequences may be substituted: MAT 110, MAT 111, MAT 140 for MAT 175 and ENG 101 and SPC 205 for ENG 155; PHY 221 for PHY 201. Please see department chair for specific details.