2019-2020 TTC Catalog

Electronics Engineering Technology

Associate in Applied Science

67 Credit Hours

The Electronics Engineering Technology program prepares students for a broad range of jobs in the electrical and electronic fields. Graduates of the program may become employed as broadcast technicians, business machine technicians, customer service representatives, computer service technicians, engineering technicians, laboratory technicians, field engineering technicians, engineering aides, electrical sales technicians, technical writers and electrical instrument technicians.

General Education Core Requirements

ENG 101 English Composition I 3
MAT 170 Algebra, Geometry and Trigonometry I 3
SPC 205 Public Speaking 3
or
SPC 209 Interpersonal Communication 3

REQ HUM	Select from Humanities	3
REQ SSC	Select from Behavioral/Social Sciences	3

Total: 15

Major Requirements

AMT 209 Automation Networks-Ethernet 3
EEM 251 Programmable Controllers 3
EEM 252 Programmable Controllers Applications 3
EET 113 Electrical Circuits I 4
EET 131 Active Devices 4
EET 145 Digital Circuits 4
EET 274 Selected Topics in Electrical-Electronics Technology 3
EGR 104 Engineering Technology Foundations 3
EGR 110 Introduction to Computer Environment 3
EGR 234 Control Principles 3
EGR 255 Engineering Technology Senior Systems Project 2
EGR 290 Numerical Applications in Engineering Technology 3
EGT 151 Introduction to CAD 3
MET 233 Applied Thermal Principles 4
MET 237 Fluids: Principles and Application 4

Total: 49

Electives

Select one course from the following.

AMT 105 Robotics and Automated Control I 3
CWE 113 Cooperative Work Experience 3
EGT 152 Fundamentals of CAD 3

Total: 3

Admission Requirements

Admission into this program requires proof of high school graduation (or GED) and qualifying scores on SAT, ACT or the TTC placement test.