

AWARD: ASSOCIATE OF APPLIED SCIENCE DEGREE
MAJOR: GENERAL ENGINEERING TECHNOLOGY
SPECIALIZATION: INDUSTRIAL ELECTRICITY AND CONTROLS TECHNOLOGY (968-16)

Provides educational opportunities for those seeking employment in the many manufacturing industries and businesses, which need individuals trained in basic electrical applications, including the control of machinery and processes. It is also appropriate for those attempting to upgrade their knowledge or acquire practical skills. Upon completion of this program occupational objectives include electrical apprentice, electrician, electrician's helper, industrial electrician, journeyman or other related positions.

CURRICULUM

Course No.	Title	Credit(s)
First Semester		
EGR 110	Engineering Graphics	3
ELE 133	Practical Electricity I	3
ENG 111	College Composition I	3
MEC 111	Materials for Industry	3
MTH	Approved Math Elective ¹	3
SDV 100	College Success Skills	1
	Total	16
Second Semester		
CAD 241	Parametric Solid Modeling I	3
EGR 216	Computer Methods in Engineering and Technology	3
ELE 134	Practical Electricity II	3
ENG 112/115	College Composition II OR Technical Writing	3
MEC 112	Processes of Industry	3
MTH	Approved Math Elective ¹	3
	Total	18
Third Semester		
EGR 206	Engineering Economics	3
ELE 159	Practical Motors	3
PED/HLT	Physical Education or Healthy Humanities Elective ²	1 3
	Social Science Elective ²	3
	Technical Elective ³	3
	Total	16
Fourth Semester		
ELE 135/137	National Electrical Code-Residential OR National Electrical Code-Industrial	3
ELE 156	Electrical Control Systems	3
IND 145	Introduction to Metrology	3
	Social Science Elective ²	3
	Technical Elective ³	3
	Total	15
	PROGRAM TOTAL	65

¹ Approved higher level math courses include MTH 130/131, MTH 161/162, 161/261, MTH 261/262 and MTH 263/264.

² Students may select social science/humanities electives from the list of approved electives in catalog.

³ Student may select technical electives from approved general engineering technology/technical electives by specialization list.