

INDUSTRIAL ELECTRICAL AND ELECTRONIC TECHNOLOGY

Certificate

Prepares students for potential employment as industrial electrical technicians or technicians in consumer electronics, telecommunications, computers, or related fields. This program requires proof of computer literacy.

Course	Number		Credit Hours
GENERAL EDUCATION			
ENGL	1100	Communication Skills or	
ENGL	1101	English Composition I	3
READ	1100	Reading Skills or	
ENGL	1102	English Composition II	3
MATH	1104	Applied Math or	
MATH	1111	College Algebra	3
MAJOR FIELD COURSES			
Essential Fundamental Technical Courses			
CAPS	1101	Introduction to Computers	3
ELCT	1005	Direct Current Circuits I	3
ELCT	1065	Alternating Current Circuits I	3
ELCT	1085	Semiconductor Devices & Circuits I	3
MFGT	1207	Industrial Safety	3
OADM	1140	Basic Keyboarding*	1
Elective		GRPH 1120, GRPH 1151	3
Essential Specific Technical Courses			
ELCT	1055	Digital Logic Circuits I	3
ELCT	2025	Intro to Microprocessors	3
Industrial Electronics Technician			
ELCT	2115	Robotics	2
ELCT	2116	Computer Integrated Manufacturing	2
ELCT	2040	Programmable Logic Controllers	3
ELCT	2075	Motors, Drives, & Controls	3
ELCT	2090	Instrument & Control Systems	2
PHYSICAL EDUCATION			
PHED		Activity Elective	1
		Total	46-49

* Credit by examination may satisfy this requirement.