

INDUSTRIAL ELECTRICAL AND ELECTRONIC TECHNOLOGY
Associate of Applied Science in Technology

Prepares students for potential employment as industrial electrical technicians or technicians in consumer electronics, telecommunications, computer, or related fields. This degree requires passing or exempting the Regents' Testing Program and proof of computer literacy.

Course	Number		Credit Hours
GENERAL EDUCATION			
COMM	1110	Fundamentals of Speech	3
ENGL	1101	English Composition I	3
HIST	2111 or 2112	United States History	3
MATH	1111	College Algebra	3
MATH	1113	Precalculus	3
POLS	1101	American Government	3
Electives		ENGL 1102, 1201; HUMN 1201, MUSC 1100, or THEA 1100	3
MAJOR FIELD COURSES			
<u>Essential Fundamental Technical Courses</u>			
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		DRFT 1120, DRFT 1151	3
<u>Essential Specific Technical Courses</u>			
ELCT	1055	Digital Logic Circuits I	3
ELCT	2025	Intro to Microprocessors	3
AND			
COMPLETION OF ONE OF THE FOLLOWING SPECIALIZATIONS			
<u>General Electronics Technician</u>			
CAPS	1140	Microcomputer Operating Systems	4
ELCT	1100	PC Maintenance & Troubleshooting I	4
ELCT	2005	Direct Current Circuits II	3
ELCT	2065	Alternating Current Circuits II	3
ELCT	2085	Semiconductor Devices & Circuits II	2
ELCT	2045	Digital Logic Circuits II	3
OR			
<u>Industrial Electronics Technician</u>			
ELCT	2005	Direct Current Circuits II	3
ELCT	2065	Alternating Current Circuits II	3
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

OR

Telecommunications Technician

CAPS	1145	Network Fundamentals	4
ELCT	1100	PC Maintenance and Troubleshooting I	4
ELCT	2005	Direct Current Circuits II	3
ELCT	2065	Alternating Current Circuits II	3
ELCT	2085	Semiconductor Devices and Circuits II	2
ELCT	2045	Digital Logic Circuits II	3
ELCT	2125	Telecommunications Principles	3

PHYSICAL EDUCATION

PHED		Activity Elective	1
		Total	----- 65-69

* Credit by examination may satisfy this requirement.