Electrical Technology Degree

This program prepares individuals to apply technical knowledge and skills to install, operate, maintain, and repair electric apparatus and systems such as residential, commercial, and industrial electric-power wiring; and DC and AC motors, controls, and electrical distribution panels. Includes instruction in the principles of electronics and electrical systems, wiring, power transmission, safety, industrial and household appliances, job estimation, electrical testing and inspection, and applicable codes and standards.

NOTE:

* Curriculum display is subject to change; however, courses will be offered to meet degree requirements.

Program: Electrical Technology
Type: A.A.S.

Area I: Written Composition

Item #	Title	Credits
ENG 101	English Composition I	3

Area II: Humanities and Fine Arts

Item #	Title	Credits
	SPH 106 or SPH 107	3
	Humanities/Fine Arts Elective 3 SH	3

Area III: Natural Sciences and Math

Item #	Title	Credits
CIS 130	Introduction to Information Systems	3
CIS 146	Microcomputer Applications	3
MTH 116	Mathematical Applications	3

Area IV: History, Social and Behavioral Sciences

Item #	Title	Credits
	Area IV Elective 3 SH	3

Area V: Additional General Education Courses, Major Courses and Electives

* ELT 181 and ELT 242 are electives.

Item #	Title	Credits
ELT 108	DC Principles of Electricity	3
ELT 109	AC Principles of Electricity	3
ELT 110	Wiring Methods	3
ELT 114	Residential Wiring Methods	3
ELT 115	Residential Wiring Methods II	3
ELT 117	Basic AC/DC Machines	3
ELT 118	Commercial/Industrial Wiring I	3
ELT 132	Commercial/Industrial Wiring II	3
ELT 209	Motor Control I	3
ELT 212	Motor Controls II	3
ELT 231	Introduction to Programmable Controllers	3
ELT 232	Advanced Programmable Controllers	3
ELT 241	National Electric Code	3
ELT 244	Conduit Bending and Installation	3
	Total credits:	**65**