Electrical Technology, A.A.S.

Program Code
AAS-ADMA-ELT
CIP
15.0613
Type
A.A.S.

The Associate of Applied Science Degree in Advance Manufacturing with a concentration in Electrical Technology will prepare graduates to be an entry-level electrician/electrician's helper. Concepts covered in the concentration include AC/DC theory, wiring methods, conduit bending, NEC codes, fundamentals of programmable logic controllers, and distribution systems.

GENERAL EDUCATION CORE REQUIREMENTS

Item #	Title	Credits
ENG 101	English Composition I	3
MTH 103	Introduction to Technical Mathematics	3
	Humanities/Fine Arts Elective (Excluding Speech and Foreign Language)	3
	Social & Behavioral Science Electives	3
	Natural Science or MTH Elective	3-4

ADVANCED MANUFACTURING CORE COURSE REQUIREMENTS

Item #	Title	Credits
ADM 101	Precision Measurement	3
ADM 104	Introduction to Thermal/Electrical Principles	3
ADM 105	Fluid Systems	3
ADM 106	Quality Control Concepts	3
	ADM 107 OR ADM 108	3
ADM 111	Manufacturing Safety Practices	3

BASIC ELECTRICITY COURSE REQUIREMENTS

Item #	Title	Credits
ELT 108	DC Fundamentals	3
ELT 109	AC Fundamentals	3
ELT 110	Wiring Methods	3
ELT 117	AC/DC Machines	3

ENTRY LEVEL ELECTRICIAN COURSE REQUIREMENTS

Item #	Title	Credits
ELT 114	Residential Wiring Methods	3
ELT 118	Commercial/Industrial Wiring I	3
ELT 209	Motor Controls I	3
ELT 241	National Electric Code	3

RESIDENTIAL/COMMERCIAL/INDUSTRIAL COURSE REQUIREMENTS

Item #	Title	Credits
ELT 212	Motor Controls II	3
ELT 231	Introduction to Programmable Controllers	3
ELT 232	Advanced Programmable Controllers	3
	Total Credits	66-67