

Electrical Technology

Associate in Occupational Technology (AOT)

Available: Shoals Campus

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Students desiring to receive the AOT Award must complete all major certificate courses, one minor certificate course of study, and the required credit hours of general education courses in Areas I, II, III, and IV. Upon completion of all the courses listed, students are eligible to receive the Associate in Occupational Technology Degree. Students desiring to take general education courses for transfer to another institution should consult an advisor for proper general education course selection.

Entering students are required to complete ORI 107. Transfer students are exempt from this requirement.

Program: [Electrical Technology](#)

Entrance Requirements

- Submit a completed application;
- High School diploma or equivalent required:
- Age Requirement:
- Submit official high school/high school equivalent transcripts, if applicable;
- Submit official college transcripts, if applicable;
- Satisfy [Placement Testing](#) requirements.

Area I: Written Composition

Item #	Title	Credits:
	ENG 101 or ENG 100	3

Area II: Humanities and Fine Arts

Preferred ART 100 or MUS 101. *Note SPH107 or foreign language may NOT be the one course designated to fulfill the SACSCOC Core Requirement for Humanities and Fine Arts.

Please choose from one of the following:

Item #	Title	Credits:
	Humanities and Fine Arts Elective	3

Area III: Natural Science and Mathematics

The additional 3-4 hours of degree creditable coursework may be taken from disciplines of biology, chemistry, physical science, physics, environmental technology.

Item #	Title	Credits:
	MTH 100 or MTH 116 or higher	3
	Math or Science Elective	3-4

Area IV: History, Social and Behavioral Sciences

Courses may be taken from the disciplines of history, economics, geography, political science, psychology, and sociology.

Please choose from one of the following:

Item #	Title	Credits:
	Social and Behavioral Sciences Elective	3

Area V: Technical Concentration and Electives

Item #	Title	Credits:
ELT 108	DC Fundamentals	3
ELT 109	AC Fundamentals	3
ELT 110	Wiring Methods	3
ELT 114	Residential Wiring Methods	3
ELT 115	Residential Wiring Methods II	3
ELT 117	Ac/DC Machines	3
ELT 131	Commercial/Industrial Wiring I	3
ELT 209	Motor Controls I	3
ELT 212	Motor Controls II	3
ELT 231	Programmable Controls I	3
ELT 232	Programmable Controls II	3
ELT 241	National Electric Code	3
ELT 242	Journeyman Master Prep Exam	3
ELT 244	Conduit Bending and Installation	3
ELT 291	Co-Op	3

Minor Requirements: Air Conditioning/Refrigeration Technology

Choose four of the following courses:

Item #	Title	Credits:
ACR 111	Principles of Refrigeration	3
ACR 112	HVACR Service Procedures	3
ACR 113	Refrigeration Piping Practices	3
ACR 126	Commercial Heating Systems	3
ACR 132	Residential Air Conditioning	3
ACR 209	Commercial Air Conditioning Systems	3

Minor Requirements: Welding (Fall and Spring Semester)

Item #	Title	Credits:
WDT 108	SMAW Fillet/OFC	3
WDT 109	SMAW Fillet/Pac/Cac	3
WDT 122	SMAW Fillet/OFC Lab	3
WDT 123	SMAW Fillet/Pac/CAC Lab	3

Minor Requirements: Welding (Summer Semester)

Item #	Title	Credits:
WDT 110	Industrial Blueprint Reading	3
WDT 119	Gas Metal Arc/Flux Cored Arc Welding Theory	3
WDT 124	Gas Metal Arc/Flux Cored Arc Welding Lab	3
WDT 219	Welding Inspection & Testing	3

MSSC Certified Production Technician

Item #	Title	Credits:
ADM 291	Mssc Safety Course	3
ADM 292	MSSC Quality Practices and Measurement Course	3
ADM 293	MSSC Manufacturing Processes and Production Course	3
ADM 294	MSSC Maintenance Awareness Course	3
	Minimum Credit Hours for Graduation:	72