

# Electrical Technology - Career Certificate

## Career Certificate

Available: Shoals Campus

Advisors:

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The increased use of electricity and society's dependence upon it has created a vast number of occupational opportunities for the trained electrical technician. Great strides have been made in every line of electrical development. The increased use of automation in industrial plants has increased the need for trained industrial electricians. The Electrical Technology Program is designed to fulfill the needs of a demanding industry. The course includes electrical fundamentals, equipment and machine installation, maintenance and troubleshooting of motors, transformers and industrial controls, wiring methods, modern control methods, hydraulic, pneumatic, and electromechanical systems. The future brings increased demand for electricians who possess the skills of the trade and a working knowledge of the principles of electricity. The length of the curriculum is 4 semesters full-time day, or full-time night.

**All entering students are required to complete ORI 107 unless transferred from another university or college.**

An articulation agreement is in place between the College and North Alabama Electrical Joint Apprenticeship and Training Committee (IBEW) to award credit for the electrical training completed through the apprenticeship program at the IBEW as part of an Associate in Occupational Technology (AOT) degree in Electrical Technology. Students will be required to complete 18 hours in general education coursework and 12 hours of minor coursework in an approved minor program. Please contact Melinda Grissom at 256-331-5420 for additional information.

**Program:** [Electrical Technology](#)

## General Education Requirements

Item #	Title	Credits
	Technical English or Higher	3
	Technical Mathematics or higher	3

## Technical Concentration

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

