

Electrical Technology 309999 **AOT Degree**

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.

Core Degree Requirements for the Associate in Occupational Technology Degree

Entering students are required to complete ORT 100. Transfer students are exempt from this requirement.

	Semester Hours
Area I: Written Composition	3
English Composition I and/or Technical Writing	
Area II: Humanities and Fine Arts	3
Area III: Natural Science and Mathematics	9
A minimum of 3 hours in degree creditable mathematics is required. The additional 6 hours of degree creditable coursework may be taken from disciplines of math, biology, chemistry, physical science, physics, environmental technology and computer science.	
Area IV: History, Social and Behavioral Sciences	3
Courses may be taken from the disciplines of history, economics, geography, political science, psychology, and sociology.	

Minimum General Requirements 18

Major Requirements

	Semester Hours
ELT 114 Residential Wiring Methods	3
ELT 117 AC/DC Machines	3
ELT 118 Commercial/Industrial Wiring I	3
ELT 119 Concepts of Solid State	5
ELT 121 Concepts of Digital Electronics	5
ELT 122 Advanced AC/DC Machines	3
ELT 132 Commercial/Industrial Wiring II	3
ELT 209 Motor Control I	3
ELT 212 Motor Control II	3
ELT 219 Fluid Power Systems	3
ELT 231 Programmable Controls I	3
ELT 232 Programmable Controls II	3
ELT 242 Journeyman Master Prep Exam	3
Total Major Requirements	43

	309999	EAC
Minor Requirements		
<i>Air Conditioning/Refrigeration Technology</i>		
ACR 111 Refrigeration Principles	3	
ACR 121 Principles of Electricity for HVACR (or ELT 111)	3-5	
ACR 122 HVACR Electrical Circuits (or ELT 112)	3-5	
ACR Elective	1-3	
Total Minor Requirements	12	
General Requirements	18	
Total Requirements for AOT Degree	73	

*Computer competency skills are embedded within one or more courses required in this curriculum.

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