

**General Education** 240102 GEN  
**Associate in Science Degree**

Available: Phil Campbell and Shoals Campuses  
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This program is designed for students seeking a general education core for transfer to four-year institutions. It allows flexibility in the selection of general electives or courses preparatory for a major. Students should consult the catalog of the college to which they intend to transfer and consult their advisor.

**Entering students are required to complete ORI 101. Transfer students are exempt from this requirement.**

	<b>Semester Hours</b>
Area I: Written Composition ..... 6 **ENG 101 and 102	6
Area II: Humanities and Fine Arts ..... 12 *Literature: ENG 271 and 272, ENG 251 and 252 or ENG 261 and 262 ..... 6 SPH 107 ..... 3 Elective: Choose one course from among ART 100, MUS 101, PHL 206*, THR 120, Foreign Language* ..... 3	12
Area III: Natural Sciences and Mathematics ..... 11 Science: Choose two core courses from among BIO 103, 104; CHM 104, 105, 111, 112; PHS 111, 112; PHY 201, 202, 213, 214 ..... 8 Math: Choose one course from MTH 110 or MTH 112 (or above) MTH 113, 120, 125, 126, 227, 237, 238 ..... 3	11
Area IV: History, Social and Behavioral Science ..... 12 *History: HIS 101 and 102 or HIS 201 and 202 ..... 6 Social and Behavioral Sciences: Choose two courses from among ECO 231, 232; GEO 100; POL 211, PSY 200, 210; SOC 200, 210 ..... 6	12
Area V: Pre-Professional, Pre-Major, and Elective Courses: ..... 19-23 CIS 146 or demonstrated equivalent computer competency skills. Elective courses appropriate to individual student and transfer institution. PED can be used as a general elective.	19-23
<b>Total Semester Transfer Hours</b> .....	<b>60-64</b>

\*See note 2 on page 44.

\*\*Keyboarding skills are essential for the successful completion of English 101.

**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.**

	<b>Semester Hours</b>
Area I: Written Composition ..... 3 English Composition I and/or Technical Writing	3
Area II: Humanities and Fine Arts ..... 3	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.	9
Area IV: History, Social and Behavioral Sciences ..... 3 Courses may be taken from the disciplines of history, economics, geography, political science, psychology, and sociology.	3

**Minimum General Requirements** ..... 18

	<b>Semester Hours</b>
<b>Major Requirements</b>	
ELT 114 Residential Wiring Methods ..... 3	3
ELT 115 Residential Wiring Methods II ..... 3	3
ELT 117 AC/DC Machines ..... 3	3
ELT 118 Commercial/Industrial Wiring I ..... 3	3
ELT 121 Concepts of Digital Electronics ..... 5	5
ELT 122 Advanced AC/DC Machines ..... 3	3
ELT 132 Commercial/Industrial Wiring II ..... 3	3
ELT 209 Motor Control I ..... 3	3
ELT 212 Motor Control II ..... 3	3
ELT 219 Fluid Power Systems ..... 3	3
ELT 231 Programmable Controls I ..... 3	3
ELT 232 Programmable Controls II ..... 3	3
ELT 242 Journeyman Master Prep Exam ..... 3	3
Elective ..... 3	3
<b>Total Major Requirements</b> .....	<b>44</b>

	<b>309999 EAC</b>
<b>Minor Requirements</b>	
<b>Air Conditioning/Refrigeration Technology</b>	
ACR 111 Refrigeration Principles ..... 3	3
ACR 121 Principles of Electricity for HVACR ..... 3	3
ACR 122 HVACR Electrical Circuits ..... 3	3
ACR 126 Commercial Heating Systems ..... 3	3
<b>Total Minor Requirements</b> .....	<b>12</b>

**General Requirements** ..... 18  
**Total Requirements for AOT Degree** ..... 74

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