



**ELECTRICAL TECHNOLOGY**

**Short Term Certificate – STC ELT**

**Program Location: The Academy at Fairhope Airport and Thomasville Campus**

Length: Two Semesters

The Electrical Technology program is designed to help students exit the program with hands-on skills and knowledge recognized by industry partners as the key competencies to succeed in the field of instrumentation technology.

This is a career program designed for students to go directly into the labor market upon completion. Although some of the courses in this program will transfer to four-year institutions, this program is not designed to be a transfer program of study; therefore, it is not subject to the terms and conditions of Alabama Transfers state transfer and articulation reporting system.

<b>AREA V: Pre-Professional, Major, and Elective Courses</b>																					
ELT 212 – Motor Controls II	3																				
ELT 231 – Introduction to Programmable Controllers	3																				
ELT 232 – Advanced Programmable Controllers	3																				
IET 114 – Basic Electricity	3																				
IET 122 – Rotating Machinery and Controls	3																				
ILT 108 – Introduction to Instruments and Process Control	3																				
ILT 114 – Instrumentation Operation and Calibration	3																				
WKO 110 – NCCER Core	3																				
Electrical Technology STC Elective: Choose <b>one</b> of the following. <table style="width: 100%; border: none; margin-top: 10px;"> <tr> <td style="width: 50%; padding: 5px;">ACR 111 – Principles of Refrigeration</td> <td style="width: 50%; padding: 5px;">ILT 166 – Motors and Transformers</td> </tr> <tr> <td style="padding: 5px;">ACR 112 – HVACR Service Procedures</td> <td style="padding: 5px;">ILT 214 – Control and Troubleshooting Flow, Level, Temperature, Pressure and Level Processes</td> </tr> <tr> <td style="padding: 5px;">ACR 119 – Fundamentals of Gas Heating Systems</td> <td style="padding: 5px;">ILT 218 – Industrial Robotics Concepts</td> </tr> <tr> <td style="padding: 5px;">ACR 121 – Principles of Electricity for HVACR</td> <td style="padding: 5px;">ILT 180 – Special Topics</td> </tr> <tr> <td style="padding: 5px;">ACR 126 – Commercial Heating Systems</td> <td style="padding: 5px;">INT 117 – Principles of Industrial Mechanics</td> </tr> <tr> <td style="padding: 5px;">ACR 148 – Heat Pump Systems I</td> <td style="padding: 5px;">INT 127 – Principles of Industrial Pumps and Piping Systems</td> </tr> <tr> <td style="padding: 5px;">ACR 205 – System Sizing and Air Distribution</td> <td style="padding: 5px;">INT 132 – Preventative and Predictive Maintenance</td> </tr> <tr> <td style="padding: 5px;">ELT 131 – Wiring I Commercial and Industrial</td> <td style="padding: 5px;">INT 161 – Blueprint Reading for Industrial Technician</td> </tr> <tr> <td style="padding: 5px;">ELT 233 – Applied Programmable Controls</td> <td style="padding: 5px;">INT 222 – Special Topics</td> </tr> <tr> <td style="padding: 5px;">IET 131 – Fluid Power Systems</td> <td style="padding: 5px;">WKO 106 – Workplace Skills</td> </tr> </table>	ACR 111 – Principles of Refrigeration	ILT 166 – Motors and Transformers	ACR 112 – HVACR Service Procedures	ILT 214 – Control and Troubleshooting Flow, Level, Temperature, Pressure and Level Processes	ACR 119 – Fundamentals of Gas Heating Systems	ILT 218 – Industrial Robotics Concepts	ACR 121 – Principles of Electricity for HVACR	ILT 180 – Special Topics	ACR 126 – Commercial Heating Systems	INT 117 – Principles of Industrial Mechanics	ACR 148 – Heat Pump Systems I	INT 127 – Principles of Industrial Pumps and Piping Systems	ACR 205 – System Sizing and Air Distribution	INT 132 – Preventative and Predictive Maintenance	ELT 131 – Wiring I Commercial and Industrial	INT 161 – Blueprint Reading for Industrial Technician	ELT 233 – Applied Programmable Controls	INT 222 – Special Topics	IET 131 – Fluid Power Systems	WKO 106 – Workplace Skills	3
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<b>Total Hours</b>	<b>27 SH</b>																				