ELECTRICAL TECHNOLOGY

Short Term Certificate – STC ELT

Program Location: The Academy at Fairhope Airport, Atmore, and Thomasville Campuses

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 STARS.

AREA V: Pre-Professional, Major, and Elective Courses	
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 **one** of the following. ACR 111 – Principles of Refrigeration ACR 112 – HVACR Service Procedures ACR 119 – Fundamentals of Gas Heating Systems ACR 121 – Principles of Electricity for HVACR ACR 126 – Commercial Heating Systems ACR 148 – Heat Pump Systems I ACR 149 – Heat Pump Systems II ACR 205 – System Sizing and Air Distribution ELT 131 – Wiring I Commercial and Industrial ELT 233 – Applied Programmable Controls IET 122 – Rotating Machinery and Controls ILT 166 – Motors and Transformers ILT 214 – Control and Troubleshooting Flow, Level, Temperature, Pressure and Level Processes ILT 218 – Industrial Robotics Concepts ILT 180 – Special Topics IET 131 – Fluid Power Systems INT 117 – Principles of Industrial Mechanics INT 132 – Preventative and Predictive Maintenance INT 161 – Blueprint Reading for Industrial Technician INT 222 – Special Topics WKO 106 – Workplace Skills	3
Total Hours	**27 SH**