



INDUSTRIAL ENGINEERING TECHNOLOGY

Short Term Certificate – STC IET

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

Length: Two Semesters

This is a program that prepares individuals to be able to proficiently work in an entry level position in manufacturing or general industry.

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 may 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
IET 114 – Basic Electricity	3
IET 122 – Rotating Machinery and Controls	3
IET 131 – Fluid Power Systems	3
ILT 108 – Introduction to Instruments and Process Control	3
INT 117 – Principles of Industrial Mechanics	3
WKO 110 – NCCER Core	3
ACR, ELT, IET, ILT, INT, PCT or WKO Electives: Choose two 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 122 – HVAC/R Electrical Circuits 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 114 – Residential Wiring Methods ELT 115 – Residential Wiring Methods II ELT 131 – Wiring I Commercial and Industrial ELT 231 – Introduction to Programmable Controllers ELT 232 – Advanced Programmable Controllers ELT 233 – Applied Programmable Controls ELT 241 – National Electric Code ILT 115 – Advanced Industrial Controls ILT 214 – Control and Troubleshooting Flow, Level, Temperature, Pressure and Level Processes ILT 215 – PLC Monitoring and Control Of Instrumentation Process Variables ILT 218 – Industrial Robotics Concepts ILT 180 – Special Topics INT 106 – Elements of Industrial Mechanics INT 126 – Preventative Maintenance INT 127 – Principles of Industrial Pumps and Piping Systems INT 132 – Preventative and Predictive Maintenance INT 134 – Principles of Industrial Maintenance Welding and Metal Cutting Techniques INT 153 – Precision Machining Fundamentals I INT 158 – Industrial Wiring INT 161 – Blueprint Reading for Industrial Technician INT 215 – Troubleshooting Techniques INT 222 – Special Topics INT 291 – Cooperative Education PCT 120 – Pulp Manufacturing Technology PCT 122 – Introduction to Process Technology PCT 135 – Paper Manufacturing Technology PCT 210 – Environmental Control Technology PCT 221 – Unit Operations PCT 222 – Unit Maintenance PCT 231 – Statistical Process Control WKO 106 – Workplace Skills	6
Total Hours	27 SH