



# COASTAL ALABAMA

## COMMUNITY COLLEGE

### INDUSTRIAL MAINTENANCE/MILLWRIGHT TECHNOLOGY

#### Short Term Certificate – STC IE6

**Program Location:** Gilberttown, The Academy at Fairhope Academy, and Thomasville Campuses

**Length:** Two Semesters

The Industrial Maintenance/Millwright 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 industrial maintenance and/or millwright positions.

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.

| AREA V: Pre-Professional, Major, and Elective Courses                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |              |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| IET 114 – Basic Electricity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 3            |
| IET 131 – Fluid Power Systems                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 3            |
| INT 132 – Preventative and Predictive Maintenance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 3            |
| INT 106 – Elements of Industrial Mechanics                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 3            |
| INT 161 - Blueprint Reading for Industrial Technician                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 3            |
| INT 117 – Principles of Industrial Mechanics                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 3            |
| INT 127 – Principles of Industrial Pumps and Piping Systems                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 3            |
| WKO 110 – NCCER Core                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 3            |
| Industrial Maintenance/Millwright STC Elective: Choose <b>one</b> of the following.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |              |
| <div>ELT 131 – Wiring I Commercial and Industrial</div> <div>ELT 231 – Intro to Programmable Controllers</div> <div>ILT 114 – Instrumentation Operation and Calibration</div> <div>ILT 166 – Motors and Transformers I</div> <div>ILT 214 – Control and Troubleshooting Flow, Level, Temperature, Pressure and Level Processes</div> <div>ILT 180 – Special Topics</div> <div>IET 122 – Rotating Machinery and Controls</div> <div>INT 222 – Special Topics</div> <div>INT 232 – Manufacturing Plant Utilities</div> <div>INT 291 – Cooperative Education</div> <div>PCT 122 – Introduction to Process Technology</div> <div>PCT 210 – Environmental Control Technology</div> <div>PCT 221 – Unit Operations</div> <div>PCT 222 – Unit Maintenance</div> <div>WKO 106 – Workplace Skills</div> | 3            |
| <b>Total Hours</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>27 SH</b> |