



Electromechanical Technology – Process Control Technician

Level 1 Certificate

Manufacturing, Logistics, & Transportation Pathway

AC Course Number	Required Course Titles	Credit Hours	Semesters Offered	Course Modalities
FIRST YEAR				
First Semester				
<input type="checkbox"/> ELPT 1321	Intro to Electrical Safety and Tools	3	F	Hyb
<input type="checkbox"/> ELPT 1411	Basic Electrical Theory	4	F, Sp	Hyb
<input type="checkbox"/> TECM 1301	Industrial Mathematics	3	F, Sp, Su	Hyb
<input type="checkbox"/> CETT 1325	Digital Fundamentals	3	F, Sp	Hyb
<input type="checkbox"/> STSU 0300	Student Success	0	F, Sp, Su	F2F, Int, Hyb
Second Semester				
<input type="checkbox"/> INTC 2359	Distributed Control Systems	3	Sp	Hyb
<input type="checkbox"/> ELPT 1441	Motor Controls	4	Sp	Hyb
<input type="checkbox"/> ELPT 1445	Commercial Wiring	4	Sp	Hyb
<input type="checkbox"/> ELPT 2419	Programmable Logic Controllers	4	Sp	Hyb
TOTAL CREDIT HOURS		28		

Semesters: Fall (F), Winter (W)Spring (Sp), Summer (Su)

Modalities: Face-to-face (F2F), Internet/online (Int), Hybrid (Hyb)



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Transfer Opportunities

Associate of Applied Science at Angelina College in Electromechanical Technology.

Marketable Skills

- 1) Work well on a team
- 2) Define, explain and interpret technical information
- 3) Use critical thinking to identify strengths and weakness to determine solutions
- 4) Identify appropriate information sources
- 5) Use math to answer questions
- 6) Schedule/coordinate Operations
- 7) Use current technology to diagnose and solve problems
- 8) Use Troubleshooting to determine causes and decide what to do about it
- 9) Think on your feet

Career Opportunities and Salaries

Equipment Technician - \$46,367
Programmable Logic Technician (PLC Tech) - \$53,139
Electrical Maintenance - \$53,139
Instrument and Controls Technician - \$46,367

Technical Skills

Use Test Equipment
Wiring Skills
Understand Hydraulic Systems
Troubleshoot Motor Circuits
Setup Variable Speed Drives
Setup Programmable Logic Controllers

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Modalities: Face-to-face (F2F), Internet/online (Int), Hybrid (Hyb)