



Electromechanical Technology – Electrical Specialty

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 1411	Basic Electrical Theory	4	F, W, Sp, Su	F2F, Int, Hyb
<input type="checkbox"/> ELPT 1321	Introduction to Electrical Safety and Tools	3	F, W, Sp, Su	F2F, Int, Hyb
<input type="checkbox"/> DFTG 1325	Blueprint Reading and Sketching	3	F, W, Sp, Su	F2F, Int, Hyb
<input type="checkbox"/> TECM 1301	Industrial Mathematics	3	F, W, Sp, Su	F2F, Int, Hyb
Second Semester				
<input type="checkbox"/> ELPT 2305	Motors and Transformers	3	F, W, Sp, Su	F2F, Int, Hyb
<input type="checkbox"/> ELPT 1429	Residential Wiring	4	F, W, Sp, Su	F2F, Int, Hyb
<input type="checkbox"/> ELPT 1445	Commercial Wiring	4	F, W, Sp, Su	F2F, Int, Hyb
TOTAL CREDIT HOURS		24		

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

Career Opportunities and Salaries

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

Technical Skills