



## Electromechanical Technology – Maintenance Technician Specialty

Level 1 Certificate                      Manufacturing, Logistics, & Transportation Pathway

AC Course Number	Required Course Titles	Credit Hours	Semesters Offered	Course Modalities
<b>FIRST YEAR</b>				
<b>First Semester</b>				
<input type="checkbox"/> TECM 1301	Industrial Mathematics	3	F, Sp, Su	Hyb
<input type="checkbox"/> ELPT 1411	Basic Electrical Theory	4	F, Sp	Hyb
<input type="checkbox"/> HYDR 1409	Basic Fluid Power (Hydraulics)	4	F, Sp	Hyb
<b>Second Semester</b>				
<input type="checkbox"/> XXXX x4xx	Electromechanical Elective*	4	F, Sp	Hyb
<input type="checkbox"/> XXXX x4xx	Electromechanical Elective*	4	F, Sp	Hyb
<b>TOTAL CREDIT HOURS</b>		19		

\* Choose from HYDR 2459, 1415; ELPT 1445, 2419, 1429; MCHN 1438; WLDG 1421

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

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



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**Level 1 Certificate**      **Manufacturing, Logistics, & Transportation Pathway**

**Transfer Opportunities**

Associate of Applied Science at Angelina College  
in Electromechanical Technology.

**Career Opportunities and Salaries**

Equipment Technician - \$46,367  
Electrical Maintenance - \$53,139

**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**

Use Test Equipment  
Wiring Skills  
Understand Hydraulic Systems  
Troubleshoot Motor Circuits