



Associate of Applied Science in Electromechanical Technology

2026-2027 Catalog

- Total Credit Hours Required: 60 credits
- Program Length: 2 years
- Delivery Format: Face to Face
- Credentials Awarded: Associate of Applied Science
- ADHE Degree Code: 0440

Fall Term 1

Course ID	Course Name	Credit Hours	Notes
ELTE 12004	Residential Wiring	4	
ELTE 13003	National Electric Code	3	
ELTE 14003	Industrial Motors and Controls	3	
CTTE 10003	Blueprint Reading	3	
	Term Total	13	

Spring Term 1

Course ID	Course Name	Credit Hours	Notes
ELTE 11004	Basic Electricity	4	
MSTE 14054	Mechanical Devices and Systems	4	
TECH 11182	General Tools and Safety	2	
ELTE 16003	Commercial and Industrial Wiring	3	
	Term Total	13	

Fall Term 2

Course ID	Course Name	Credit Hours	Notes
MSTE 10055	Machine Shop Basics I	5	
BUSI 12303	Professionalism in the Workplace	3	
ENGL 10103	Composition I	3	
MATH 11003 MATH 11103	College Algebra or Quantitative Literacy	3	
WELD 10253	Basic Welding	3	
	Term Total	17	

Spring Term 2

Course ID	Course Name	Credit Hours	Notes
MSTE 13054	Basic Programmable Controls	4	
MSTE 11054	Hydraulics/Pneumatics	4	
ENGL 10203 ENGL 20203	Composition II or Technical Writing	3	

Curriculum Approved: March 2022

Updated: 6/1/2026

Course ID	Course Name	Credit Hours	Notes
CPSI 10003	Introduction to Computers	3	
HIST 21103 HIST 21203	U.S. History I or U.S. History II	3	
	Term Total	17	

Program Requirements

- Students should check their chosen program's description in the current catalog for possible prerequisite courses.
- No Certificate of Proficiency is eligible for Federal Financial Aid. Federal Financial Aid pays for courses for students pursuing Technical Certificate and/or higher degree.

Stackable Credentials

Industrial Technology- Electricity, Certificate of Proficiency

ADHE Degree Code: 4815

Course ID	Course Name	Credit Hours	Notes
ELTE 11004	Basic Electricity	4	
ELTE 12004	Residential Wiring	4	
ELTE 13003	National Electric Code	3	
ELTE 14003	Industrial Motors and Controls	3	
	Total Credit Hours for Certificate of Proficiency	14	

Industrial Technology- Mechanical, Certificate of Proficiency

ADHE Degree Code: 4315

Course ID	Course Name	Credit Hours	Notes
ELTE 11004	Basic Electricity	4	
CTTE 10003	Blueprint Reading	3	
MSTE 14054	Mechanical Devices and Systems	4	
TECH 11182	General Tools and Safety	2	
	Total Credit Hours for Certificate of Proficiency	13	

Electromechanical, Technical Certificate

ADHE Degree Code: 4500

Course ID	Course Name	Credit Hours	Notes
ELTE 11004	Basic Electricity	4	
ELTE 12004	Residential Wiring	4	
ELTE 13003	National Electric Code	3	
ELTE 14003	Industrial Motors and Controls	3	
CTTE 10003	Blueprint Reading	3	
MSTE 14054	Mechanical Devices and Systems	4	
TECH 11182	General Tools and Safety	2	
MSTE 13054	Basic Programmable Controllers	4	
ELTE 16003	Commercial and Industrial Wiring	3	
	Total Credit Hours for Technical Certificate	30	

Curriculum Approved: March 2022

Updated: 6/1/2026

Electromechanical, Associate of Applied Science

ADHE Degree Code: 4500

For the AAS Electromechanical, students will complete all courses in the TC Electromechanical plus the 30 credit hours below.

Course ID	Course Name	Credit Hours	Notes
ENGL 10103	Composition I	3	
MATH 11003 MATH 11103	College Algebra or Quantitative Literacy	3	
ENGL 10203 ENGL 20203	Composition II or Technical Writing	3	
CPSI 10003	Introduction to Computers	3	
HIST 21103 HIST 21203	U.S. History I or U.S. History II	3	
BUSI 12303	Professionalism in the Workplace	3	
MSTE 10055	Machine Shop Basics I	5	
WELD 10253	Basic Welding	3	
MSTE 11054	Hydraulics/Pneumatics	4	
	Total Credit Hours for AAS	60	

Arkansas Course Transfer System (ACTS)

The Arkansas Course Transfer System (ACTS) contains information about the transferability of courses within Arkansas public colleges and universities. Courses not having an ACTS number may also transfer. Please consult the receiving institution for complete transfer information. To review the Arkansas Course Transfer System, visit <https://adhe.edu/students-parents/transfer-info-for-students>