



Associate of Applied Science in General 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: 0517

Required General Education Courses

Course ID	Course Name	Credit Hours	Notes
ENGL 10103	Composition I	3	
ENGL 10203	Composition II	3	
MATH 11003 or MATH 11103	College Algebra or Quantitative Literacy	3	
CPSI 10003	Introduction to Computers	3	
CRJU 10203 or ECON 21003 or ECON 22003 or GEOG 11003 or HIST 11103 or HIST 11203 or HIST 21103 or HIST 21203 or PSYC 11003 or PSYC 21003 or SOC 10103 or SOC 20103	Introduction to Criminal Justice or Macroeconomics or Microeconomics or Introduction to Geography or World Civilizations I or World Civilizations II or U.S. History I or U.S. History II or General Psychology or Developmental Psychology or Sociology or Social Problems	3	
	Total General Education Courses	15	

Electives

Course ID	Course Name	Credit Hours	Notes
BLAD 12001	Knifemaking	1	
BLAD 12202	Bladesmithing	2	
BLAD 14101	Damascus Steel	1	
BLAD 15101	Advanced Bladesmithing- Skill Builders	1	
BUSI 12303	Professionalism in the Workplace	3	
CTTE 12403	Basic Carpentry	3	
CTTE 12503	Basic Plumbing	3	
DIEL 10054	Basic Diesel Shop	4	
DIEL 11035	Engine Systems	5	Historical: DIES 1104
DIEL 12034	Diesel Engines	4	
DIEL 13044	Fuel Systems	4	

Curriculum Approved: April 1995

Updated: 6/1/2026

Course ID	Course Name	Credit Hours	Notes
DIEL 14034	Electrical Systems	4	
DIEL 14104	Diesel Electronics	4	
DIEL 20004	Suspension and Steering	4	Historical: DIES 2005
DIEL 20204	Brakes and Hydraulics	4	Historical: DIES 2025
DIEL 21034	Clutches and Power Trains	4	Historical: DIES 2105
DIEL 22034	Air Conditioning	4	
DIEL 22104	Troubleshooting and Inspections	4	Historical: DIES 2215
UNIV 10003	College Life Skills	3	
ELTE 11004	Basic Electricity	4	
ELTE 12004	Residential Wiring	4	
ELTE 13003	National Electric Code	3	
ELTE 14003	Industrial Motor and Controls	3	
ELTE 16003	Industrial and Commercial Wiring	3	
HVAC 10042	Tubing and Piping	2	
HVAC 12044	Principles of Refrigeration	4	
HVAC 15043	Motors and Controls	3	
HVAC 16044	Schematics	4	
HVAC 17003	Air Properties	3	
HVAC 18044	Residential Systems	4	
HVAC 19044	AC Systems	4	
CTTE 10003	Blueprint Reading	3	
MSTE 11054	Hydraulics/Pneumatics	4	
MSTE 13054	Basic Programmable Controllers	4	
MSTE 14054	Mec. Devices and Systems	4	
MSTE 24155	Instrumentation and Control	5	
MSTE 10053	Intro to Machining Processes	3	
MSTE 10055	Machine Shop Basics I	5	
MSTE 12155	Basic Lathe Operations	5	
MSTE 13155	Basic Knee Mill	5	
PWRT 10003	Fundamentals of Modern Power Plants	3	
PWRT 10303	Introduction to Alternative Energy	3	
PWRT 12103	Introduction to Power Plant Generation	3	
PWRT 12303	Fossil Fuels	3	
PWRT 13103	Troubleshooting and Repair	3	
PWRT 20003	Intro to Wind Technology	3	
PVOL 20003	Installation Lab	3	
PVOL 20103	Solar Electric Design	3	
PVOL 20203	PV Systems	3	
TECH 11182	General Tool and Safety	2	
WELD 10253	Basic Welding	3	
WELD 11154	Pipe and Structural Fitting	4	
WELD 12154	Intro to Arc Welding	4	
WELD 13152	Metallurgy	2	
WELD 13256	Position Welding	6	
WELD 15253	MIG Welding	3	
WELD 15152	TIG Welding	2	
WELD 17153	Spray Arc Welding	3	
Elective	Advisor Approved Elective		

Technical Certificate Choices

Technical Certificate Choices	Total Credits	Sem/Year Enrolled	Notes
Technical Certificate in Basic Diesel • CP Chassis • CP Brakes/Power Train • CP Engine Systems • CP Electrical Systems	21-24		
Technical Certificate in HVAC • CP HVAC	30		
Technical Certificate in Welding Technology • CP Welding Technology	29		
Technical Certificate in Electromechanical Technology • CP Industrial Electricity • CP Industrial Maintenance- Mechanical	30		
Technical Certificate in Construction Technology • CP Construction Technology	23		

Program Requirements

- Students should check their chosen Technical Certificate program's description in the current catalog for possible prerequisite courses. These are courses that must be completed before enrolling in the next course in the progression.
- It is recommended that students obtain at least one Technical Certificate while seeking their Associates of Applied Science in General Technology Degree. The certificates listed above contain courses that count toward that degree.
- Students seeking the AAS Diesel Technology or AAS Electromechanical Technology should not seek the AAS General Technology Degree.
- For the AAS General Technology students will complete at least one of the following Technical Certificates; Technical Certificate in Basic Diesel, Technical Certificate in HVAC, Technical Certificate in Welding Technology, Technical Certificate in Electromechanical Technology, or Technical Certificate in Construction Technology, plus the required General Education courses listed.

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>.