

AUTOMOTIVE TECHNICIAN

CERTIFICATE OF PROFICIENCY

(Postsecondary)

The Automotive Technician certificate program is designed to provide basic automotive skills training needed to be productive in an automotive service facility. Additionally, this certificate will help prepare the student for ASE certification tests.

AUTOMOTIVE SERVICE TECHNOLOGY

ASSOCIATE OF APPLIED SCIENCE

(Postsecondary)

The Automotive Service Technology degree provides an opportunity for all students to develop and upgrade skills needed to be productive and successful upon entry into several automotive service and repair occupations. Additionally, this program develops the career skills necessary for an individual to move into sales, business management, or supervisory positions. The Automotive Service Technology program is recognized for its high level of achievement by meeting local and national industry standards. The degree course work will help prepare students for ASE certification tests.

Salary Range: \$14.74-\$27.54 per hour



Funding provided to support these programs through Carl Perkins Basic Grant and Eastern Arizona College. For more information, visit www.eac.edu/about_eac/perkins.

CONTACT INFORMATION

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Programs of Study Automotive

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615 North Stadium Avenue,
Thatcher, Arizona 85552
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Arizona Career and Technical Education Program of Study

Associate of Applied Science in Automotive Service Technology



WHAT IS PROGRAMS OF STUDY?

A guide for high schools, parents, and students to utilize outlining high school-to-college academic and career education coursework for various Career and Technical Education (CTE) programs funded through the Carl Perkins Grant.

The Programs of Study must lead to an industry-recognized credential or certificate at the college level, or an associate or baccalaureate degree.

WHAT ARE THE BENEFITS?

- Students are provided a path to follow to meet their educational/career goals.
- Students may receive college credit for courses taken at the high school (i.e. dual enrollment).
- Students have the potential to earn certification, licensure, and/or a degree sooner than students who begin their educational goals post-high school.
- Helps students avoid taking unnecessary college courses, saving time and money.
- Provides parents an opportunity to be involved in their child's education.

HOW IS THIS MADE POSSIBLE?

Through the collaboration of the Eastern Arizona Programs of Study Consortium - Local high schools, Gila Institute for Technology (GIFT), and Eastern Arizona College (EAC).

HOW DO I ENROLL?

Interested students must contact the Gila Institute for Technology Office at (928) 348-3393 to apply for acceptance into the GIFT Program.

SECONDARY (High School)						
Grade	Ft. Thomas		Safford		GIFT Sponsored Courses	
	Semester 1	Semester 2	Semester 1	Semester 2	Semester 1	Semester 2
10 th Grade	Basic Auto & Electrical System		—		—	
11 th Grade	Engine Performance		Autos II		AUT 101 (4 cr.) AUT 132 (2 cr.)	AUT 106 (4 cr.) AUT 180 (2 cr.)
12 th Grade	Advanced Auto I	Advanced Auto II	Autos III		AUT 105 (2 cr.) AUT 107 (2 cr.)	AUT 280 (4 cr.)
CTSO	SkillsUSA (10 th -12 th Grade)		SkillsUSA (11 th -12 th Grade)		SkillsUSA (11 th -12 th Grade)	
Ft. Thomas and Safford students who pass the above-listed courses, with a grade of "B" or higher, will receive college credit for AUT 101 (4 cr.), AUT 107 (2 cr.), AUT 132 (2 cr.), and AUT 180 (2 cr.) at EAC.					Recommended courses. May need to be adjusted to fit the student's schedule.	
POST-SECONDARY (College)						
Consult an advisor for assistance with schedule. College courses below may vary depending on automotive courses completed during high school.						
Certificate of Proficiency in Automotive Technician			Certificate of Proficiency in Automotive Technician & AAS in Automotive Service Technology			
Grade	Freshman		Freshman		Sophomore	
	Semester 1	Semester 2	Semester 1	Semester 2	Semester 1	Semester 2
English					**ENG 100 and/or **BUS 111 (3 cr.)	
Math						
Other Gen. Ed.			CMP 101 or CMP 103 (3 cr.)	CSL 115 (1-2 cr.) Gen. Ed. (3 cr.)	Gen. Ed. (3 cr.)	Gen Ed. (1-5 cr.)
Major Courses	*AUT 105 (2 cr.)	*AUT 106 (4 cr.)	*AUT 105 (2 cr.)	*AUT 106 (4 cr.)	AUT 120 (3 cr.) or AUT 230 (4 cr.)	AUT 260 (3 cr.)
	AUT 110 (3 cr.)	AUT 131 (3 cr.)	AUT 110 (3 cr.)	AUT 131 (3 cr.)	Curriculum Related (2-4 cr.) - recommend MSP 101 or MSP 104	*AUT 280 (4 cr.)
	AUT 120 (3 cr.) or AUT 230 (4 cr.)	AUT 260 (3 cr.)	AUT 120 (3 cr.) or AUG 230 (4 cr.)	AUT 220 (2 cr.)		Curriculum related (3 cr.) - recommend WLD 201 or WLD 260
	Curriculum Related (2-3 cr.) - recommend WLD 101 or WLD 108	Curriculum Related (3 cr.) - recommend CMP 101 or CMP 103	Curriculum Related (2-3 cr.) - recommend WLD 101 or WLD 108	AUT 266 (3 cr.)		Curriculum related (0-2 cr.)
		Curriculum Related (2 cr.) - recommend MSP 101				
Required Courses			* Disregard if taken as a GIFT sponsored course		For assistance contact: Gayrene Claridge at gayrene.claridge@eac.edu; (928) 428-8341 or Brian Coppola at brian.coppola@eac.edu; (928) 428-8435	
Career and Technical Education Courses			** May be adjusted based on skill level			

Testing
High School
Arizona's College
and Career Ready
Standards (AZCCRS)
Arizona's Career
Technical Education
(AZCTE) Skills
Assessment

College
Reading, Writing, Math
Placement Testing
(COMPASS)

Certificates/Degrees
College
Automotive
Technician, Certificate
of Proficiency

Automotive Service
Technology, AAS

Academic requirement
must be completed
to obtain certificate/
degree (see catalog for
more information)

Eastern Arizona College Courses

Core Curriculum Courses

AUT 105	Automotive Electrical Fundamentals
AUT 106	Internal Combustion Engines
AUT 107	Automotive Electrical Systems and Equipment
AUT 110	Fuel and Emission Systems
AUT 120	Manual Transmission and Drive Train (offered even-numbered years)
AUT 131	Steering and Suspension Systems
AUT 132	Automotive Brake Systems
AUT 180	Automotive Service Techniques <u>OR</u>
AUT 101	Introduction to Automotive Technology
AUT 220	Automotive Electronics and Computerized Vehicle Controls
AUT 230	Automatic Transmissions (offered odd-numbered years)
AUT 260	Vehicle Performance and Diagnosis
AUT 266	Vehicle Heating and Air Conditioning

AUT 280	Advance Shop <u>OR</u>
TEC 191	Industry Internship I

Curriculum Related Courses (Recommended)

MSP 101	Fundamentals of Machine Shop <u>OR</u>
MSP 104	Machine Shop
WLD 101	Welding <u>OR</u>
WLD 108	Oxyacetylene Welding and Metal Fabrication
WLD 201	Repair Welding and Fabrication <u>OR</u>
WLD 260	Flex Cored Arc and Gas Metal Arc Welding

General Education Courses

CMP 101	Introduction to Computers <u>OR</u>
CMP 103	Introduction to Computer Based Systems
BUS 111	Business Mathematical Calculations <u>AND/OR</u>
ENG 100	Writing Fundamentals or higher

Students will need an additional 0-2 curriculum related credits and 0-3 General Education credits