

Career Pathway

Associate in Applied Science Degree in Automotive Technology

Program Purpose: Graduates will demonstrate (1) basic knowledge in automotive technology that will prepare them to obtain an entry-level position within the field and (2) competency in communication, critical thinking, quantitative analysis, and technological applications

Program Description: Recognizing that a successful career in automotive technology involves much more than the mechanical ability to replace parts, this program is for the individual who has the ability and aptitude to become a skilled automotive technician. Students gain competency in a variety of automotive systems which enables them to diagnose and perform corrective procedures accurately. In addition, students receive advanced technical education procedures on many vehicle components to keep them abreast of current changes in the automotive industry. This program is certified through the National Automotive Technicians Education Foundation (NATEF). When completing the automotive training the student will be able to apply for and take the American Service Excellence (ASE) certification examinations. Student-Supplied safety glasses are required.

Related Degree Programs
<p>Arizona State University: Bachelor of Science (B.S.) Mechanical Engineering Technology</p> <p>University of Arizona Bachelor of Science (B.S.) Systems Engineering</p> <p>Webster State University (Out-of-State) Bachelor of Science (B.S.) Automotive Technology</p>

Related Occupations Based on Level of Education	
Community College or Technical School	Automotive Mechanic, Assembler, Quality Technician
4-yr College or University	Master Technician, Mechanical Design Engineer, Frame/Structure Engineer, Maintenance Supervisor
Salary Range	\$20,000 - \$100,000 a year

What's **your** career path?



Automotive Mechanic?
Master Technician?
College Degree?




Yuma/La Paz Tech Prep Consortium
P.O. Box 929 • Yuma, Arizona 85366
(928) 344-7754 • Fax: (928) 317-6108



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High School Plan
 Student Name: _____
 School: _____
 Counselor Name: _____

GRADE	English/ Language Arts	Math	Phys Ed, Health, Social Studies	Science	Program Electives	Total Credits	Related CTSO Program	Notes	
8th grade parent / student night - Take Career Interest Survey									
Freshman	English I	Algebra I	Physical Education I ↔ Health	Biology	Automotive Technology	Exploring Technology	6		
Sophomore	English II	Algebra II	World History	Chemistry	Computer Application I ↔ Physical Education II	Welding Technology	6		
In 10th grade, assess for college readiness by taking the AWC Accuplacer (college placement test)									
Junior	English III	Geometry	US History	Engineering Science & Technology Lab	Vocational Automotive <i>(2 Period Block)</i> • AUT 100: Basic Auto and Service	6			
In 11th grade, assess for college readiness by taking the AWC Accuplacer (college placement test)									
Senior	English IV	Math Analysis	Government ↔ Economics	Industrial Cooperative Education	↔ On-the-Job Training ↔	6	24 Total Credits		

Courses needed to complete A.A.S. in Automotive Technology at Arizona Western College

GRADE	Freshman Composition	Math	Social & Behavioral Sciences	Arts & Humanities	Physical & Biological Sciences	Major Requirements	Total Credits	Notes	
1st Semester <i>(Fall)</i>	ENG 101: Freshman Composition I (3 cr)	■ MAT 105 (completed during high school)				AUT 101: Theory of Engine Operation (4 cr)	◆ AUT 200: Auto Electrical Systems (6 cr)	TEC 165: Employee and Occup. Safety (3 cr)	19 <i>(3 completed during high school)</i>
2nd Semester <i>(Spring)</i>	ENG 102: Freshman Composition II (3 cr)				SCI 100: Applied Chemistry (2 cr)	AUT 120: Auto. Suspension (6 cr)	▼ AUT 209: Engine Performance and Diagnosis (5 cr)		16
3rd Semester <i>(Fall)</i>	ENG 110: Technical Writing (3 cr)		Social and Behavioral Sciences (3 cr)		SCI 105: Applied Physics (2 cr)	AUT 133: Auto. Power Trains (3 cr)	AUT 252: Auto. Air Conditioning Systems (4 cr)		15
4th Semester <i>(Spring)</i>	Options (2 cr)			Arts/Humanities (3 cr)		AUT 125: Automotive Brakes (4 cr)	▼ AUT 215: Auto. Computer Testing (3 cr)	• AUT 100 (completed during high school)	15 <i>(3 completed during high school)</i>
<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="display: flex; gap: 10px;"> <div style="border: 1px solid black; width: 15px; height: 15px; background-color: #90ee90;"></div> Electives</div> <div style="border: 1px solid black; width: 15px; height: 15px; background-color: #ffff00;"></div> Required</div> <div style="display: flex; gap: 10px;"> <div style="border: 1px solid black; width: 15px; height: 15px; background-color: #90ee90;"></div> A.A.S. General Requirement</div> <div style="border: 1px solid black; width: 15px; height: 15px; background-color: #add8e6;"></div> Recommended Elective									