

Palo Verde College

Program Outline Report

Program Basics	
Program Title:	Automotive Technology Associate of Science
Program Status:	Active from 2025-2026 Fall (2025FA)
Department:	Automotive Technology
Award Type:	A.S. Degree Major (Credit)
Program/Catalog Description	The Automotive Technology program provides for entry level skills in the automotive field. The program is designed to impart in-depth technical skills as required in today's highly technical automotive field. Preparation for employment in the automotive and/or transportation trades, with upgrading and specialization skills for those currently employed will be stressed. Emphasizes practical experience in the actual repairs under simulated shop conditions. Each course will focus on the theory of automotive technologies as they relate to various aspects of the modern automotive industry.
Control Number:	04442
Credential ID:	No value
Transferability:	No value
(SP01) Program TOP Code:	0948.00
(SP01) Program TOP Code:	Automotive Technology
(SP02) Student Program Award:	Associate of Science (A.S.) degree
Maximum Credits:	68
Minimum Credits:	64
Curriculum Committee Approval Date:	04/10/2025
Board of Trustees Approval Date:	05/13/2025
External Review Approval Date:	05/13/2025

Proposal Details	
Proposal Start:	2025-2026 Fall (2025FA)
What changes have been made to the program:	Units updated due to CalGETC
Program Justification:	No value
Submission Rationale	
No value	

Program Requirements	
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Automotive Technology Associate of Science (Total 64-68)

Complete all of the following

Required Core Courses 24 units (Total 24)

Complete the following number of credits: 24

AUT100 - Introduction to Automotive Technology	3
AUT101 - Basic Technician Skills	3
AUT102 - Engine Analysis/Tune-up	3
AUT103 - Suspension, Steering and Alignment	3
AUT110 - Brake Systems	3
AUT111 - Automotive Electrical Systems	3
AUT200 - Engine Diagnosis/Overhaul	6

Automotive Technology Electives (Choose two additional courses from the list below - 6 units) (Total 6)

Complete the following number of credits: 6

AUT107 - Beginning Auto Technology	3
AUT108 - Engine Performance Heating and Air Conditioning	3
AUT109 - Brakes, Suspension Steering Drive Trains and Transmissions	3
WEL102 - Basic Gas Metal Arc Welding	3

In addition to the CORE courses required for the A.S. Degree in Automotive Technology, students will also be required to meet the CalGETC General Education Requirements.

34-38

Recommended Sequences

No value

Program Outcomes

Automotive Technology Associate of Science

PSLO	Performance
1. Acquired fundamental grounding in communications, science, mathematics, humanities, the social sciences, and self-development in preparation for an occupation, and possible transfer to a four-year institution.	70
2. Acquired knowledge and skills in AUT 200, demonstrating the proper procedure and techniques for diagnosing and rebuilding engines.	70

Program Narrative

Narrative Item 1. Program Goals and Objectives

The Automotive Technology program provides students with a general understanding and knowledge of automotive systems and procedures. Students can find employment in the diverse spectrum of opportunities available to them in the automotive industry. The program also provides continuing education for those already employed as mechanics, technicians, and shop foremen and in other areas related to automotive technology.

Narrative Item 2. Catalog Description

The Automotive Technology program provides for entry level skills in the automotive field. The program is designed to impart in-depth technical skills as required in today's highly technical automotive field. Preparation for employment in the automotive and/or transportation trades, with upgrading and specialization skills for those currently employed will be stressed. Emphasizes practical experience in the actual repairs under simulated shop conditions. Each course will focus on the theory of automotive technologies as they relate to various aspects of the modern automotive industry.

PROGRAM STUDENT LEARNING OUTCOMES

Upon successful completion of the A.S. Degree in Automotive Technology program students will have:

1. Acquired fundamental grounding in communications, science, mathematics, humanities, the social sciences, and self-development in preparation for an occupation, and possible transfer to a four-year institution.
 2. Acquired knowledge and skills in AUT 200, demonstrating the proper procedure and techniques for diagnosing and rebuilding engines.
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Narrative Item 3. Program Requirements

AUTOMOTIVE TECHNOLOGY A.S. DEGREE

Course	Title	Units
AUT 100	Intro to Automotive Technology	3
AUT 101	Basic Technician Skills	3
AUT 102	Engine Analysis/Tune-Up	3
AUT 103	Suspension, Steering & Alignment	3
AUT 110	Brake Systems	3
AUT 111	Automotive Electrical Systems	3
AUT 200	Engine Diagnosis/Overhaul	6
Automotive Technologies Electives – (Choose two additional courses from the list below)		
AUT 107	Beginning Automotive Technology	3
AUT 108	Engine Performance, Heating & Air Conditioning	3
AUT 109	Brakes, Suspension, Steering, Drive Trains, & Transmissions	3
WEL 102	Basic Gas Metal Arc Welding	3
Total Required Units		30

In addition to the Core Courses required for the A.S. Degree in Building Construction Technology, students will also be required to meet the Associate Degree Requirements and the General Education Requirements (Option A) listed in this catalog (see following page).

Proposed Course Sequence: AS Degree in Automotive Technology

Requirements	Dept Name/#	Title	Units
Required Core (24 units)	AUT 100	Intro to Automotive Technology	3
		Year 1, Fall Term	
	AUT 101	Basic Technician Skills	3
		Year 1, Fall Term	
	AUT 102	Engine Analysis/Tune-up	3
		Year 1, Spring Term	
	AUT 103	Suspension, Steering, & Alignment	3
		Year 1, Spring Term	
	AUT 110	Brake Systems	3
		Year 2, Fall Term	
	AUT 111	Automotive Electrical Systems	3
		Year 2, Fall Term	
	AUT 200	Engine Diagnosis/Overhaul	6
		Year 2, Spring Term	

Automotive Technology Electives

(Choose two additional courses from the list below – 6 units)

AUT 107	Beginning Automotive Technology	3
AUT 108	Engine Performance, Heating and Air Conditioning	3
AUT 109	Brakes, Suspension, Steering, Drive trains, and Transmissions.	3
WEL 102	Basic Gas Metal Arc Welding	3

Program electives can be taken in (Spring and/or Fall of Year 2)

Required Major Total: 30

GE Requirements for AS Degree

Communications GE Area A	3
Year 1, Fall term	
Communications GE Area B	3
Year 1, Spring term	
Natural Science	3
Year 1, Spring term	
Mathematics	3-4
Year 2, Fall term	
Humanities	3
Year 1, Fall term	
Social Science Area A	3
Year 1, Fall term	
Social Science Area B	3
Year 2, Fall term	

GE requirements and additional electives can be taken in (Spring/Fall/Summer of Year 1 & 2)

Total Major Required Units	30
College GE Requirements	34-35
TOTAL UNITS:	64-68

Narrative Item 4. Master Planning (Not needed for Certificates of Career Preparation)

No Value

Narrative Item 5. Enrollment and Completer Projections (Not needed for Certificates of Career Preparation)

No Value

Narrative Item 6. Place of Program in Curriculum/Similar Programs (Not needed for Certificates of Career Preparation)

No Value

Narrative Item 7. Similar Programs at Other Colleges in Service Area (Not needed for Certificates of Career Preparation)

No Value

LMI and Analysis

No Value

Advisory Committee Recommendations (Not needed for Certificates of Career Preparation)

No Value

Regional Consortia Recommendations (Not needed for Certificates of Career Preparation)

No Value