

Associate Degree

Associate in Science Degree – Completion of the certificate program and a minimum of 60 units including general education requirements with an overall GPA of 2.0 qualifies the student for the Associate in Science degree. A minimum of 12 units of certificate course work must be completed at Saddleback College.

General Education Requirements for Associate Degrees – Refer to the Graduation Requirements or to the CSU-GE and IGETC patterns in the catalog for specific courses which meet general education requirements. Refer to ASSIST.org and to the transfer institution's catalog for transfer requirements.

Employment Opportunities

Grease monkeys are out—service technicians are in. Excellent opportunities exist in the automotive field for mechanically inclined, people-oriented men and women who like to solve problems. Entry-level service technician positions at dealerships and independent shops are plentiful for skilled, motivated graduates of Saddleback's AutoTech program. Advancement to supervisory and management positions is possible for people with leadership abilities.

Related occupations include Service Manager, Service Supervisor, Service Consultant, Motorcycle Technician, Automotive Parts Worker, as well as Equipment Maintenance and Repair.

Note: Cooperative work experience (CWE) internships



"Studying in Saddleback College's AutoTech program has been a privilege. The facility and faculty are first rate. I'm unaware of any other school that offers students the opportunity to work in a shop with such a vast array of high quality, modern equipment at this price level."

—David

"The Saddleback Automotive Department has not only provided me with a comprehensive education but with personal growth as well. The education I have received will present me with opportunities not only to succeed in an automotive profession, but has given me a sense of equality and the desire to encourage everyone to explore the possibilities that following your passion can offer."

—Ashley

"The Saddleback Auto Tech program is first class. The instructors' unique, upbeat approach and personal industry experience bring a lively enthusiasm and inspiring insight to the educational process. I walk away from every class feeling like I've gained knowledge to which few are privy, and that no matter how ambitious my goals may be, I've got people who have been there already, willing to support and guide me every step of the way."

—Rob

www.saddleback.edu/atas/AutoTech

For more information, you can reach the Department Chair, Clifford Meyer, at (949) 582-4996, cmeyer@saddleback.edu or Vincent Pollizzi, Assistant Professor at (949) 582-4964 • vpollizzi@saddleback.edu



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ADVANCED TECHNOLOGY & APPLIED SCIENCE

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AUTOMOTIVE TECHNOLOGY



Saddleback College Certificate Programs

- Five Occupational Certificate Programs
- Associate Degree
- Transfer Courses to Four-Year Universities
- Update Skills and Training for Employment



The Automotive Technology programs are designed to prepare students for employment as automotive technicians. Students may also complete their Associate in Science requirements and prepare to transfer to a four-year college. Training is given in both theory and practical skills in the operation, maintenance, and repair of all types of automotive systems. The following five certificate options are available: Automotive Chassis Specialist, Automotive Engine Service Specialist, Automotive Engine Performance Specialist, Alternative Fuel Vehicle Specialist and General Automotive Technician.

General Automotive Technician Certificate Program (GAT)

AUTO 100	Automotive Fundamentals	3
AUTO 101*	Automotive Electrical Systems	3
AUTO 102*	Auto. Eng. Perf./Electronics & Ignition	3
AUTO 103*	Auto. Eng. Perf./Fuel & Emissions Systems	3
AUTO 104A*	Automotive Engines	5
AUTO 104B*	Automotive Engines	5
AUTO 105*	Automotive Power Train	3
AUTO 106A*	Automotive Suspension & Alignment	3
AUTO 106B*	Automotive Brake Systems	3
AUTO 207*	Automotive Engineering Fundamentals	3
	Select From Restricted Electives	5-5

TOTAL: 34.5-39

Alternative Fuel Vehicle Specialist Certificate Program (AFVS)

AUTO 100	Automotive Fundamentals	3
AUTO 101*	Automotive Electrical Systems	3
AUTO 201*	Advanced Automotive Electrical	3
AUTO 207*	Automotive Engineering Fundamentals	3
AUTO 229*	Diesel Technology	3
AUTO 220*	Alternative Propulsion Systems	3
AUTO 231*	Hybrid and Electrical Vehicle Technology	3
AUTO 232*	Diesel Systems Technology	3
	Select From Restricted Electives	3

TOTAL: 27

Automotive Chassis Specialist Certificate Program (ACS)

AUTO 100	Automotive Fundamentals	3
AUTO 101*	Automotive Electrical Systems	3
AUTO 105*	Automotive Power Train	3
AUTO 106A*	Automotive Suspension & Alignment	3
AUTO 106B*	Automotive Brake Systems	3
AUTO 107*	Automatic Transmissions	3
AUTO 108*	Automotive Air Conditioning	3
AUTO 201*	Advanced Automotive Electrical	3
AUTO 207*	Automotive Engineering Fundamentals	3
	Select From Restricted Electives	5-5

TOTAL: 27.5-32

Automotive Engine Service Specialist Certificate Program (AESS)

AUTO 100	Automotive Fundamentals	3
AUTO 102*	Auto. Eng. Perf./Electronics & Ignition Systems	3
AUTO 103*	Automotive Eng. Perf./Fuel & Emissions Systems	3
AUTO 104A*	Automotive Engines	5
AUTO 104B*	Automotive Engines	5
AUTO 204A*	High Performance Engine Blueprinting	3
AUTO 204B*	High Performance Engine Blueprinting	3
AUTO 207*	Automotive Engineering Fundamentals	3
	Select From Restricted Electives	5-5

TOTAL: 28.5-33

Automotive Engine Performance Specialist Certificate Program (AEPS)

AUTO 100	Automotive Fundamentals	3
AUTO 101*	Automotive Electrical Systems	3
AUTO 102*	Auto. Eng. Perf./Electronics & Ignition Systems	3
AUTO 103*	Automotive Eng. Perf./Fuel & Emissions Systems	3
AUTO 109*	California BAR Basic Area Clean Air Car Course	5
AUTO 200*	Enhanced Area Clean Air Car Course	1
AUTO 201*	Advanced Automotive Electrical	3
AUTO 205*	Advanced Smog Update	5
AUTO 207*	Automotive Engineering Fundamentals	3
	Select From Restricted Electives	3

TOTAL: 27.5

Restricted Electives List

COURSE	DESCRIPTION	UNITS	GAT	AFVS	ACS	AESS	AEPS
AUTO 102*	Auto. Eng. Perf./Electronics & Ignition Systems	3		•			
AUTO 103*	Auto. Eng. Perf./Fuel & Emission Systems	3		•			
AUTO 105*	Automotive Power Train	3		•			
AUTO 106A*	Automotive Suspension and Alignment	3		•			
AUTO 106B*	Automotive Brake Systems	3		•			
AUTO 107*	Automatic Transmissions	3	•	•			
AUTO 108*	Automotive Air Conditioning	3	•	•		•	•
AUTO 109*	California Bar Basic Area Clean Air Car Course	5	•		•	•	
AUTO 200*	Enhanced Area Clean Air Car Course	1	•				
AUTO 201*	Advanced Automotive Electrical	3	•				•
AUTO 202*	Advanced Engine Performance Diagnosis	3	•	•			
AUTO 204A*	High Performance Engine Blueprinting	3	•				
AUTO 204B*	High Performance Engine Blueprinting	3	•				
AUTO 205*	Advanced Smog Update	.5	•		•	•	
AUTO 220*	Alternative Propulsion Systems	3	•		•	•	•
AUTO 226*	Automotive Service Consultant	2	•	•	•	•	•
AUTO 227*	Automotive Service Management	3	•	•	•	•	•
AUTO 228*	Advanced Vehicle Performance	1	•	•	•	•	•
AUTO 229*	Diesel Technology	3	•		•	•	•
AUTO 231*	Hybrid & Electrical Vehicle Technology	3	•		•	•	•
AUTO 232*	Diesel Systems Technology	3	•		•	•	•
AUTO 240*	Automotive Lab	3	•	•	•	•	•
CWE 180*!	Cooperative Work Experience Automotive	1	•	•	•	•	•

* Course has a prerequisite, corequisite, limitation or recommended preparation: see course description.

! CWE 180 should be taken after completing at least 9 units of the certificate program. Certificate Completion—Certificates may be completed at any time and an application for Certificate Completion may be filed in Admissions and Records the semester during which the final courses are being completed.

Waivers- course work from other institutions may count towards a certificate.

GAT – General Automotive Technician
AFVS – Alternative Fuel Vehicle Specialist
ACS – Automotive Chassis Specialist
AESS – Automotive Engine Service Specialist
AEPS – Automotive Engine Performance Specialist