

AUTOMOTIVE CAREER EDUCATION, CERTIFICATE OF ACHIEVEMENT

The Automotive Career Education program at Ventura College is a Master Certified Automotive Service Excellence Education Foundation (ASEEF) program (formerly known as NATEF). The program primarily offers courses aligned with industry skills designed to prepare students with the skills needed for employment in the independent, aftermarket, and dealership industries and are designed to simulate real world faults that emphasize the hands-on skills required to inspect, service, diagnose, and repair current model year vehicles. Additionally, there are specialized programs such as the Toyota and Lexus T-TEN (Technical Training and Education Network) program and the 4-year electrified vehicle program.

T-TEN is a partnership that includes corporate Toyota, ASE, community colleges, career education / vocational schools, and Toyota and Lexus dealerships across the country. Together, students receive state-of-the-art automotive training in both a classroom and dealership setting. As a T-TEN student, you will learn and earn in a supportive environment while receiving instruction from factory-trained instructors and guidance from dealership mentors. Professional certifications are earned by T-TEN graduates for completing Toyota-designed courses and for passing National Institute for Automotive Service Excellence certification tests.

Course ID	Title	Units/Hours
Required Core Courses		
ACE V11	Automotive Vehicle Maintenance	3
ACE V12	Automotive Electrical Systems I	4
ACE V13	Automotive Engine Repair	4
ACE V21	Automotive Brake Systems	4
ACE V22	Automotive Steering and Suspension Systems	4
ACE V23	Automotive Electrical Systems II	4
ACE V31	Automotive Heating and Air Conditioning	4
ACE V32	Automotive Engine Management	4
ACE V33	Automotive Manual Transmissions and Transaxles	4
ACE V41	Automotive Automatic Transmissions and Transaxles	4
ACE V42	Automotive Engine Driveability	4
Total Units for the Certificate		43

Recommended Courses

1. The program utilizes a prerequisite / corequisite system that requires students to complete ACE V11 Maintenance Technician course before, or during their first semester of attendance.
2. Students should take ACE V12 Automotive Electrical Systems I (Units: 4) and ACE V13 Automotive Engine Repair (Units: 4) in first semester preparation for the automotive degree/certification path.
3. Students needing to complete dealership internship requirements for the Toyota T-TEN certification, or for ACE Certificate of Achievement (COA) programs requiring internship hours should also take ACE V96 Work Experience Education in Automotive (Units: 1-14).

4. The ACE V96 Work Experience course is not required for the ACE Maintenance Technician COA, the 2-Year ASE Education Foundation COA, or the 2-year AS degree in Automotive.
5. Students who compete internship hours and requirements are eligible for additional ACE COA's including; Automotive Service Technician COA, Automotive Repair Technician COA, Automotive Performance Technician COA, and the Automotive Expert Technician COA.
6. ACE V43 Automotive Hybrid Systems Repair and Diagnosis (Units: 3) is not required for the 2-Year ASE Education Foundation COA, but is required for the ACE Expert Technician COA and for TTEN certification (along with work experience requirements).
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Year 1		
Fall Semester		Units/Hours
ACE V11	Automotive Vehicle Maintenance	3
ACE V12	Automotive Electrical Systems I	4
ACE V13	Automotive Engine Repair	4
Units/Hours		11
Spring Semester		
ACE V21	Automotive Brake Systems	4
ACE V22	Automotive Steering and Suspension Systems	4
ACE V23	Automotive Electrical Systems II	4
Units/Hours		12
Year 2		
Fall Semester		
ACE V31	Automotive Heating and Air Conditioning	4
ACE V32	Automotive Engine Management	4
ACE V33	Automotive Manual Transmissions and Transaxles	4
Units/Hours		12
Spring Semester		
ACE V41	Automotive Automatic Transmissions and Transaxles	4
ACE V42	Automotive Engine Driveability	4
Units/Hours		8
Total Units/Hours		43

Upon successful completion of this program, students will be able to:

- Practice safety in the repair and service associated with automotive systems.
- Use a systematic approach to select the proper method to diagnose, repair and test automotive systems.
- Demonstrate proficiency in the use of automotive diagnostic equipment to evaluate system performance and determine needed repairs.
- Demonstrate comprehension of automotive systems theory and operation.