

# AUTOMOTIVE REPAIR TECHNICIAN, CERTIFICATE OF ACHIEVEMENT

The Automotive Repair Technician Certificate of Achievement Program provides technical preparation for the skills necessary for an automotive repair technician. Internship hours as an automotive technician are required to complete this program. Students will learn how to perform inspection, service, and repair procedures to electrical systems, engines, manual transmissions, automatic transmissions, transfer cases and differentials. Assessments occur through written exams and skills competency assessments with an emphasis on repair procedures. Critical thinking skills, practical hands-on skills, safety, and employability (soft) skills are practiced throughout the curriculum. Students who successfully complete this program may continue their automotive education by taking more courses that lead to higher level certificates and an AS degree.

The Automotive Repair Technician COA Program is designed to provide the skills necessary to perform as a repair level technician in automotive repair facilities and encompasses maintenance, electrical system, engine, and automatic / manual transmission / transaxle service and repair skill sets. This is an experience based program and requires 225 hours of work experience led and validated through AUTO V96 (Automotive Internship II). Options for higher level certificates and / or degrees are available and can be sequenced from the the Maintenance Tech COA Program.

Automotive Repair Technician Program Requirements:

Course ID	Title	Units/ Hours
<b>REQUIRED CORE</b>		
ACE V11	Automotive Vehicle Maintenance	3
ACE V12	Automotive Electrical Systems I	4
ACE V13	Automotive Engine Repair	4
ACE V33	Automotive Manual Transmissions and Transaxles	4
ACE V41	Automotive Automatic Transmissions and Transaxles	4
AUTO V96	Automotive Internship II	3
<b>Total Units</b>		<b>22</b>

## Summer or Fall Semester:

ACE V11: Automotive Vehicle Maintenance

## Fall Semester (Semester 1):

ACE V12: Automotive Electrical Systems I, 4.0 units / 140 hours

ACE V13: Automotive Engine Repair, 4.0 units / 140 hours

ACE V33: Automotive Manual Transmissions and Transaxles, 4.0 units / 140 hours (offered Fall and Spring semesters)

AUTO V96: Automotive Internship II (3.0 unit requirement total, 225 hours)

## Spring Semester (Semester 2):

ACE V33: Manual Transmission and Transaxles, 4.0 units / 140 hours (if not completed during Semester 1)

ACE V41: Automatic Transmissions and Transaxles, 4.0 units / 140 hours

AUTO V96: Automotive Internship II (if 3.0 unit requirement total not completed in Semester 1)

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

- Perform maintenance service procedures in a timely manner and to industry standards.
- Perform battery, starting, and charging system inspection and service procedures in a timely manner and to industry standards.
- Perform engine inspection, service, and repair procedures in a timely manner and to industry standards.