

UNDER CAR TECHNICIAN - AUTOMATIC TRANSMISSION, CAREER PATHWAY CERTIFICATE

Program Code: CC.UNDRCARTECAUTO

The Under Car Technician - Automatic Transmission Program combines the initial courses of the **Automotive Service Technology AAS** to provide the student with an opportunity to gain entry-level employment. This alternate first-year schedule offers accelerated employment qualification for the student. These courses train the student in the skills necessary to earn certification from Automotive Service Excellence (ASE) in the specified areas of A2, A3, A4, and C1, as described in the ASE Alignment Section. Coursework also qualifies the student to earn American Welding Society (AWS) certification. The National Institute for Automotive Service Excellence requires two years of documented time in trade before testing, and this nine-month program is awarded 4.5 months' equivalency. The AWS requires one year of documented time in trade before testing.

For information contact Dustin Bates, 503-594-3973 or dustinb@clackamas.edu, or the Automotive and Welding Department, 503-594-3047.

Outcomes

Program Outcomes

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

- practice safety precautions to protect the environment, students, and the vehicle;
- test and repair basic automotive electrical systems;
- diagnose, repair, and service modern suspension systems;
- diagnose, repair, and service front and rear wheel drive manual drive train and axle systems;
- diagnose, repair, and service front and rear wheel drive automatic transmissions.

Requirements

Course	Title	Credits
Fall Term		
AM-101	Intro to Automotive Service Technology	2
AM-129	Electrical Systems I	5
AM-130	Brake Systems	5
Credits		12
Winter Term		
AM-131	Chassis Systems	5
AM-245	Automatic Transmission Systems	5
WLD-102	Introduction to Welding	2
Credits		12
Spring Term		
AM-228	Service Shop Management	4

Course	Title	Credits
AM-235	Power Transmission Systems	5
Credits		9
Total Credits		33

ASE Alignment

- AM-131 Chassis Systems aligns with ASE A4 Suspension & Steering
- AM-228 Service Shop Management aligns with ASE C1 Automobile Service Consultant
- AM-235 Power Transmission Systems aligns with ASE A3 Manual Drive Train & Axles
- AM-245 Automatic Transmission Systems aligns with ASE A2 Automatic Transmission/Transaxle

Careers

Career opportunities include:

- manual transmission technician
- automatic transmission technician
- front-end and alignment technician
- drive axle specialist
- four-wheel drive service technician
- apprentice technician
- service writer
- brake technician