

ADVANCED AUTOMOTIVE SERVICES TECHNICIAN (ADVANCED CERTIFICATE)

Catalog Effective Term: Fall 2024

Program Code: CVASV2

Credential: Advanced Certificate

High Demand Occupation, High Skill Occupation, High Wage Occupation

This advanced certificate builds on the electrical and mechanical skills developed in the Automotive Services Technician (CTASVT) certificate. This advanced certificate prepares students for employment as a certified automotive technician. The program also prepares the student for the State of Michigan certification exams. Using specialized electrical diagnostic equipment students will diagnose and repair vehicle systems such as Automotive Engines, Automatic and Manual Transmissions, Automotive HVAC systems and Powertrain Drivability systems.

Program Admission Requirements

Academic Reading and Writing Levels of 6, Academic Math Level 3, and completion of the Automotive Services Technician (CTASVT) certificate

Minimum Credits Required for the Program: 13

Code	Title	Credits
Major/Area Requirements		
ASV 135	Facility Operations	3
ASV 251	Engine Diagnosis and Repair	2
ASV 257	Heating and Air Conditioning Systems	2
ASV 258	Engine Drivability	2
ASV 266	Advanced Transmissions	2
Restricted Elective(s)		
Select one of the following:		2
ABR 111	Introduction to Auto Body Repair	
ABR 114	Applied Auto Body Welding	
ASV 135	Facility Operations	
ASV 174	ASV Co-op Education I	
ASV 257	Heating and Air Conditioning Systems	
ASV 266	Advanced Transmissions	
ASV 274	ASV Co-op Education II	
ASV 277	Automotive Powertrain Systems	
ASV 279	Automotive Dynamometer and Test	
CSS 200	Introduction to Network Security - Security +	
CSS 205	Essentials of Network Penetration Testing	
CSS 285	Essentials of Automotive Penetration Testing	
CST 185	Local and Mobile Networking Essentials	
MST 110	Motorcycle Service Technology I	
Total Credits		13