

GM SERVICE TECHNICIAN

Overview

GM Service Technician Technical Diploma, 45 credits

Program Code: 31-602-4

For more information: wctc.edu/gm-tech

This program addresses the growing need for highly professional, competent technicians in automotive dealerships. Learn on the latest automotive vehicles, components, educational materials and cutting-edge equipment available. Develop knowledge on engines, fuel management, electronics, transmissions/transaxles, brakes and air conditioning.

This specialized program emphasizes repairing, servicing and maintaining vehicles within the General Motors (GM) brand as well as variety of other automotive makes and models.

The minimum required course grades and program grade point average (GPA) for students under this catalog are:

Core Courses = C

General Studies Courses = C-

Program GPA = 2.0

Build your degree along a career pathway. Start with a couple of courses or an entry-level credential to enter the job market in your area of interest, then continue with higher credentials on your educational path for job advancement and higher wages.

Career Pathway

1. GM Service Technician 45
2. Automotive Technology - GM ASEP Option 60

Program Outcomes

Learning Outcomes

1. Demonstrate professionalism appropriate for the auto service industry.
2. Perform diagnosis, service, and repair of automotive internal combustion engines.
3. Perform diagnosis, service, and repair of automotive automatic transmission/transaxle systems.
4. Perform diagnosis, service, and repair of automotive manual drive train and axles systems.
5. Perform diagnosis, service, and repair of automotive steering and suspension systems.
6. Perform diagnosis, service, and repair of automotive brake systems.
7. Perform diagnosis, service, and repair of automotive electrical & electronic systems.
8. Perform diagnosis, service, and repair of automotive heating and air conditioning systems.
9. Perform diagnosis, service, and repair of automotive engine performance systems.

Critical Life Skills

To help our students prepare for success in a workplace and society that is **increasingly global, multi-cultural, and collaborative**, all students are given opportunities to develop and demonstrate Critical Life Skills, both in and out of the classroom. The following Critical Life Skills are learning outcomes for WCTC students.

- **Communication:** Demonstrate appropriate communication.
- **Critical Thinking/Problem Solving:** Demonstrate critical thinking skills to analyze situations and solve problems.
- **Relationships:** Demonstrate effective interpersonal skills.
- **Self-management:** Demonstrate responsible and respectful behavior.

Required Courses

Listed below are the required courses for the program. To view the recommended sequence for taking courses click on the plan of study tab(s) above. Work with your Academic Advisor to design a program plan!

View your **Program Matrix** to find out when each course will be offered (term and time of day).

Code	Title	Credits
Core Courses		
442-131	Automotive Welding Fundamental	2
Approved Substitute: 442-303		
602-100	ASEP Automotive Fundamentals	2
602-110	ASEP Electrical Systems & Acc	4
602-112	ASEP Fuel Management Advanced	3
602-114	ASEP Automatic Trans	4
602-120	ASEP Engine Concepts	4
602-130	ASEP Align/Suspension/Steering	3
602-143	ASEP Fuel Management 1	4
602-148	ASEP Auto Computer Application	3
602-150	ASEP Auto Temperature Control	2
602-162	ASEP Manual Transmissions	3
602-170	ASEP Automotive Brakes	3
602-180	ASEP Electronic Accessories	2
602-187	Internship Exp 1 - GM-ASEP	1
602-191	Internship Exp 2 - GM-ASEP	1
602-192	Internship Exp 3 - GM-ASEP	1
602-193	Internship Exp 4 - GM-ASEP	1
602-194	Internship Exp 5 - GM-ASEP	1
890-108	Employment Success	1
Total Credits		45

Full-time, Fall Start Plan

Exact order of courses is subject to change to accommodate lab time. Check with your Advisor on exact sequence.

First Year

Fall Term 1		Credits
602-100	ASEP Automotive Fundamentals	2
602-130	ASEP Align/Suspension/Steering	3
602-170	ASEP Automotive Brakes	3

890-108	Employment Success	1
	Credits	9
Fall Term 2		
602-187	Internship Exp 1 - GM-ASEP	1
	Credits	1
Spring Term 1		
602-110	ASEP Electrical Systems & Acc	4
602-150	ASEP Auto Temperature Control	2
602-180	ASEP Electronic Accessories	2
	Credits	8
Spring Term 2		
602-191	Internship Exp 2 - GM-ASEP	1
	Credits	1
Second Year		
Summer Term		
602-143	ASEP Fuel Management 1	4
602-192	Internship Exp 3 - GM-ASEP	1
	Credits	5
Fall Term 1		
602-193	Internship Exp 4 - GM-ASEP	1
	Credits	1
Fall Term 2		
442-131	Automotive Welding Fundamental	2
602-112	ASEP Fuel Management Advanced	3
602-120	ASEP Engine Concepts	4
	Credits	9
Spring Term 1		
602-194	Internship Exp 5 - GM-ASEP	1
	Credits	1
Spring Term 2		
602-114	ASEP Automatic Trans	4
602-148	ASEP Auto Computer Application	3
602-162	ASEP Manual Transmissions	3
	Credits	10
	Total Credits	45