

# AUTOMOTIVE MAINTENANCE AND LIGHT REPAIR

## Overview

### Automotive Maintenance and Light Repair Technical Diploma

**Program Code:** 30-602-3

For more information: [wctc.edu/auto-main-light-repair](http://www.wctc.edu/auto-main-light-repair) (<http://www.wctc.edu/auto-main-light-repair/>)

Automotive technicians use computerized equipment and traditional tools to complete basic repairs, handle routine maintenance and conduct diagnostic tests on cars and light trucks. In this program, gain skills to work on a variety of systems such as engine, drive train, brakes, electrical, steering and suspension. Training includes classroom and lab instruction.

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

Core 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. Auto Maintenance and Light Repair Technical Diploma 21
2. Auto Maintenance Technician Technical Diploma 45
3. Automotive Technology-General Option 60

**Related Certificates than can be earned along the way.**

- Automotive Basics Technical Certificate (<https://catalog.wctc.edu/programs/automotive-basics/>)
- Automotive Leaders Technical Certificate (<https://catalog.wctc.edu/programs/automotive-leaders/>)

## Learning Outcomes

### Program Outcomes

1. Perform diagnosis, service, and repair of automotive steering and suspension systems.
2. Perform diagnosis, service, and repair of automotive brake systems.
3. Perform diagnosis, service, and repair of automotive heating and air conditioning 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. See your Academic Advisor to design a full-time or part-time plan that works for you!

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

Code	Title	Credits
<b>Core Courses</b>		
602-104	Brake Systems	3
602-107	Auto Service Fundamentals	2
Approved Substitute: 602-100		
602-124	Steering & Suspension Systems	3
602-125	Electrical&Electronic Systems1	2
602-127	Electrical&Electronic Systems2	3
602-196	Climate Control Systems	3
602-197	Engine Performance 1	3
602-205	Engine Repair II	2
<b>Total Credits</b>		<b>21</b>

## Full-time, Fall Start Plan

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

<b>First Year</b>		
<b>Fall Term 1</b>		<b>Credits</b>
602-104	Brake Systems	3
602-107	Auto Service Fundamentals	2
602-125	Electrical&Electronic Systems1	2
<b>Credits</b>		<b>7</b>
<b>Fall Term 2</b>		
602-124	Steering & Suspension Systems	3
<b>Credits</b>		<b>3</b>
<b>Spring Term 1</b>		
602-127	Electrical&Electronic Systems2	3
602-197	Engine Performance 1	3
602-205	Engine Repair II	2
<b>Credits</b>		<b>8</b>
<b>Spring Term 2</b>		
602-196	Climate Control Systems	3
<b>Credits</b>		<b>3</b>
<b>Total Credits</b>		<b>21</b>

## Full-time, Spring Start Plan

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

**First Year**

<b>Spring Term 1</b>		<b>Credits</b>
602-104	Brake Systems	3
602-107	Auto Service Fundamentals	2
<b>Credits</b>		<b>5</b>
<b>Spring Term 2</b>		
602-124	Steering & Suspension Systems	3
602-125	Electrical&Electronic Systems1	2
<b>Credits</b>		<b>5</b>
<b>Fall Term 1</b>		
602-127	Electrical&Electronic Systems2	3
602-196	Climate Control Systems	3
<b>Credits</b>		<b>6</b>
<b>Fall Term 2</b>		
602-197	Engine Performance 1	3
602-205	Engine Repair II	2
<b>Credits</b>		<b>5</b>
<b>Total Credits</b>		<b>21</b>