

Certificate of Proficiency (COP)**Automotive Technology - Maintenance and Light Repair**

The Maintenance and Light Repair (MLR) program is designed to train students in the skills needed to perform tasks, such as, Express lube, routine maintenance, and light automotive repair. The curriculum covers theory and lab training in all areas of automotive repair and students will perform inspections to determine whether the component is serviceable or needs replaced.

Gainful Employment Program Disclosure Data <http://www.lowercolumbia.edu/programs/gainful-employment.php>

Certificate Requirements• **Communications:**

5 credits - ENGL 110 Industrial Communication, ENGL& 101 or 102 English Comp I & II, BUS 119 Business Communications, CMST& 220 Public Speaking, CMST& 230 Small Group Communications

• **Quantitative Skills:**

5 credits - MATH 088/089 Pre-College Math II, MATH 106 Industrial Mathematics, or higher

• **Human Relations / Social Science:**

5 credits – BUS 144 Management of Human Relations.

Program Requirements

AMTC/DHET 100	Essentials of Mechanics	5
AMTC 104	Automotive Electrical Systems	15
AMTC 114	Automotive Chassis	15
AMTC 124	Automotive Engines	15
HLTH 105	First Aid, CPR and Bloodborne Pathogens	1
MFG 100	Foundational Skills for the Trades	3
MFG 105	Industrial Safety	3

Total credits required to earn this certificate: 72

Students completing this program should acquire the following skills and abilities:

- Demonstrate shop safety practices and hazardous material handling procedures.
- Demonstrate electrical systems inspections.
- Demonstrate the basic servicing of an internal combustion engine.
- Demonstrate the servicing of suspension, wheel, tires and brake systems.
- Demonstrate routine fluid services of the automobile.
- Demonstrate heating and air conditioning inspections.
- Demonstrate basic inspection of the transmission and drive train components of the automobile.

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Planner

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		Entry Quarter
√	Courses	Crs
	MFG 100 (A)	3
	MATH 106 (A)	5
	MFG 105 (A)	3
	HLTH 105 (A)	1
Total:		12

1st Quarter			2nd Quarter			3rd Quarter			Quarter		
√	Courses	Crs	√	Courses	Crs	√	Courses	Crs	√	Courses	Crs
	AMTC 104 (F)	15		AMTC 114 (W)	15		AMTC 124 (Sp)	15			
	ENGL 110 (A)	5		AMTC 100 (W,S)	5		BUS 144 (A)	5			
Total:		20	Total:		20	Total:		20	Total:		

Notes:

Legend:

- A - Course usually offered all quarters.
- F - Course usually offered Fall Quarter.
- W - Course usually offered Winter Quarter.
- Sp - Course usually offered Spring Quarter.
- S - Course usually offered Summer Quarter.