Program map for Automotive Technology - Maintenance and Light Repair Certificate of Proficiency (COP)

2026-27

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.

View this program in the LCC Catalog (lowercolumbia.edu/publications/catalog/programs/Trades-COP-Automotive-Technology)

See also

- Degree Requirements for Manufacturing, Trades and Transportation programs (lowercolumbia.edu/programs/trades)
- Course descriptions in the LCC Catalog (lowercolumbia.edu/publications/catalog/courses)
- Distribution lists in the LCC Catalog (lowercolumbia.edu/publications/catalog/distribution-lists)

Important: Many course sequences only begin in fall quarter. Check with your program advisor.

By Quarter Overview

First Quarter

- COLL 101: College Success 101 (2 credits)
- HLTH 105: First Aid, CPR and Bloodborne Pathogens (1 credit)
- MFG 105: Industrial Safety (3 credits)
- MATH 106: Industrial Mathematics (5 credits)
  - *MATH 079 or TECH 079 with a C or better or instructor permission**
- BUS 144: Management of Human Relations: DIV (5 credits)

**Pre- and/or co-requisite(s)*

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Second Quarter

- AMTC 104: Automotive Electrical Systems (15 credits)
- ENGL 110: Industrial Communication (5 credits)

Third Quarter

- AMTC 114: Automotive Chassis (15 credits)
- AMTC 100: Essentials of Mechanics (5 credits)

Fourth Quarter

- AMTC 124: Automotive Engines (15 credits)

Detailed Class Sequence

1. College Success 101

COLL 101 (2 credits)

2. First Aid, CPR and Bloodborne Pathogens

HLTH 105 (1 credit)

3. Industrial Safety

MFG 105 (3 credits)

4. Industrial Mathematics

MATH 106 (5 credits)
Pre- and/or co-requisite(s): MATH 079 or TECH 079

5. Management of Human Relations: DIV

BUS 144 (5 credits)

6. Automotive Electrical Systems

AMTC 104 (15 credits)

7. Industrial Communication

ENGL 110 (5 credits)

8. Automotive Chassis

AMTC 114 (15 credits)

9. Essentials of Mechanics

AMTC 100 (5 credits)

10. Automotive Engines

AMTC 124 (15 credits)

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