

Automotive Technology - COP

2021-22

Program map for Automotive Technology Certificate of Proficiency (COP) in 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.

See also:

- [Degree Requirements for Manufacturing, Trades and Transportation programs](#)
- [Course descriptions in LCC Catalog](#)
- [Distribution lists in LCC Catalog](#)

Please note that many course sequences only begin in fall quarter. Please check with your program advisor for more information.

Please review both the "By Quarter Overview" and "Detailed Class Sequence" tabs below.

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)*

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)

Program Maps for Manufacturing, Trades and Transportation

- Advanced Manufacturing Technology - AAS (Engineering Technician and Multicraft Trades Option)
- Advanced Manufacturing Technology - AAS (Multicraft Trades and Production Technician Option)
- Advanced Manufacturing Technology - AAS (Production Technician and Engineering Technician Option)
- Automotive Technology - AAS
- Automotive Technology - COP
- Commercial Truck Driving - COC
- Computer Numerical Control - COP
- Diesel/Heavy Equipment Technology - AAS
- Diesel/Heavy Equipment Preventative Maintenance - COP
- Engineering Technician - COP
- Machine Trades - AAS
- Machinist - COP
- Multicraft Trades - COP
- Production Technician - COP
- Welding - AAS
- Welding - COP