

AUTOMOTIVE TECHNOLOGY: CHRYSLER MCAP - DEGREE

Limited Entry, Associate of Applied Science Degree Program | mhcc.edu/
AutomotiveTechnology (<http://mhcc.edu/AutomotiveTechnology/>)

Faculty Advisers

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The Chrysler Mopar College Automotive Program (MCAP) allows students to study at MHCC and gain work experience while training as service techs for Chrysler Co. dealerships. MHCC's auto shops are equipped with some of the finest, most up to date training supplies and equipment on the market.

The MCAP program is two full years of training, including fall, winter, spring and summer terms both years. Graduates will earn an AAS degree, as well as a full year of work experience in a Chrysler, Dodge, Jeep and/ or Ram dealer repair center. Chrysler dealers see MHCC students as their "service technicians of the future."

Cohorts begin in fall (even years) and summer (odd years).

Program Outcomes

At the completion of this program, students should be able to:

- Demonstrate safe shop practices and hazardous material handling
- Diagnose and repair electrical systems
- Diagnose and repair engine performance systems
- Diagnose and repair emission systems
- Diagnose and repair internal combustion engine systems
- Diagnose and repair automatic transmission and transaxles systems
- Diagnose and repair manual drive train and axles systems
- Diagnose and repair brakes systems
- Diagnose and repair automotive steering and suspension systems
- Diagnose and repair automotive heating and air conditioning systems
- Perform minor vehicle services

General education courses (such as math, writing, health, etc.) can be taken during any term, or before starting the program.

Please note: All core (AM) courses must be completed with a grade of "C" or better, and must be completed within 5 years of starting the program.

Start in Fall or Summer

| First Quarter | | Credits |
|----------------|---------------------------|-----------|
| AM103 | Automotive Service Theory | 2 |
| AM104 | Automotive Service Lab | 1 |
| AM105 | Chassis Basic Theory | 3 |
| AM106 | Chassis Basic Lab | 1 |
| AM112 | Electrical 1 Theory | 3 |
| AM113 | Electrical 1 Lab | 2 |
| AM114 | Engines 1 Theory | 2 |
| AM115 | Engines 1 Lab | 1 |
| Credits | | 15 |

| Second Quarter | | |
|---------------------|---|--------------|
| AM171 | Chrysler MCAP, IMPORT Subaru-U E-Learning Fundamentals 1 | 1 |
| AM281 | Automotive Dealership Experience 1 | 6 |
| MTH065 or MTH058 | Beginning Algebra II ★ (or higher) or Quantitative Reasoning I | 4-6 |
| Credits | | 11-13 |

| Third Quarter | | |
|----------------|-----------------------------|-----------|
| AM140 | Drivetrains 1 Theory | 3 |
| AM141 | Drivetrains 1 Lab | 1 |
| AM142 | Chassis 2 Theory | 3 |
| AM143 | Chassis 2 Lab | 1 |
| AM154 | Electrical 2 Theory | 3 |
| AM155 | Electrical 2 Lab | 1 |
| AM158 | Engine Performance 1 Theory | 3 |
| AM159 | Engine Performance 1 Lab | 2 |
| AM170 | Automotive Project 1 | 1 |
| Credits | | 18 |

| Fourth Quarter | | |
|--------------------|--|-------------|
| AM282 | Automotive Dealership Experience 2 | 6 |
| WR101 or WR121Z | Workplace Communications I ★ or Composition I ★ | 3-4 |
| Credits | | 9-10 |

| Fifth Quarter | | |
|----------------|-----------------------------|-----------|
| AM224 | Engines 2 Theory | 2 |
| AM225 | Engines 2 Lab | 1 |
| AM228 | Engine Performance 2 Theory | 4 |
| AM229 | Engine Performance 2 Lab | 2 |
| AM232 | Electrical 3 Theory | 3 |
| AM233 | Electrical 3 Lab | 1 |
| AM238 | Air Conditioning Theory | 3 |
| AM239 | Air Conditioning Lab | 1 |
| Credits | | 17 |

| Sixth Quarter | | |
|---|------------------------------------|----------|
| AM283 | Automotive Dealership Experience 3 | 6 |
| Health and Physical Education requirement (https://catalog.mhcc.edu/degree-certificate-requirements/aas/#health) | | 3 |
| Credits | | 9 |

| Seventh Quarter | | |
|-----------------|-----------------------------|-----------|
| AM242 | Electrical 4 Theory | 3 |
| AM243 | Electrical 4 Lab | 1 |
| AM244 | Drivetrains 2 Theory | 2 |
| AM245 | Drivetrains 2 Lab | 3 |
| AM246 | Engine Performance 3 Theory | 3 |
| AM247 | Engine Performance 3 lab | 1 |
| AM248 | Electric Vehicle Theory | 2 |
| AM249 | Electric Vehicle Lab | 1 |
| Credits | | 16 |

| Eighth Quarter | | |
|----------------|------------------------------------|---|
| AM284 | Automotive Dealership Experience 4 | 6 |

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|---|----------------|
| Human Relations PSY101 recommended Requirement (https://catalog.mhcc.edu/degree-certificate-requirements/aas/#human) | 3-4 |
| Credits | 9-10 |
| Total Credits | 104-108 |

How to Apply

The Chrysler Mopar College Automotive Program (MCAP), Individualized Mechanical Program Of Repair Technicians (IMPORT), and Subaru-U Automotive Technology programs are limited-entry programs. This means you must meet certain criteria before you can apply (<https://mhcc.edu/education-options/degrees-certificates/automotive-technology/chrysler-mcap/get-started/>). These programs admit 24 students fall term on even-numbered years and odd-numbered years in the summer term. Students of all races, ethnicities, ages, genders, religions, sexual orientations, socio-economic statuses, nationalities, physical abilities, and cognitive differences are welcome!