

AUTOMOTIVE TECHNOLOGY IN-HOUSE

Associate in Applied Science



Students who specialize in the Automotive program's In-House track are immersed in academic and lab experience on the CMCC campus. The In-House track emphasizes electronic and other test equipment, and the completion of work with industry standards to prepare highly skilled technicians for an ever-expanding and challenging automotive industry.

Graduates are prepared to perform all NATEF (P-1) tasks to diagnose and repair:

- Systems associated with automotive chassis components
- Assemblies associated with automotive engine and power transmission systems
- Components associated with any electrical and electronic control systems, as well as accessory ergonomic systems

Graduates may pursue careers as:

- **General Technicians**
- **Front-End Alignment Specialists**
- **Brake Specialists**
- **Automatic Transmission Specialists**

Interested in paid on-the-job training? Consider the Dealer Trax specialization or the Ford ASSET program.

Degree Requirements

| Semester I | | Credit Hours |
|---------------------------------------|--|--------------|
| AUT 100 | Introduction to Automotive Technology | 1 |
| AUT 110 | Brakes | 2 |
| AUT 120 | Suspension and Alignment | 2 |
| AUT 150 | Electric Systems I | 3 |
| AUT 170 | Engine Performance I | 3 |
| AUT 200 | State Inspection | 1 |
| ENG __* | Select <u>one</u> of the following: | 3 |
| | ENG 101 College Writing | |
| | ENG 105 College Writing Seminar | (4) |
| MAT __* | Select <u>one</u> of the following: | 3 |
| | MAT 100 Intermediate Algebra | |
| | MAT 104 Technical Mathematics | |
| | | |
| Semester II | | |
| AUT 152 | Engine Repair I | 5 |
| AUT 159 | Auto Electronic and HVAC | 5 |
| ___ | Elective: Open | 3 |
| ___ | Elective: Humanities or Social Science | 3 |
| | | |
| Semester III | | |
| AUT 242 | Transmission and Driveline | 6 |
| AUT 244 | Advanced Engine Performance | 5 |
| ENG __ | Select <u>one</u> of the following: | 3 |
| | ENG 201 Technical Writing | |
| | ENG 220 Business Communication | |
| ___ | Elective: Mathematics or Science | 3-4 |
| | | |
| Semester IV | | |
| AUT 278 | Diagnostic Techniques | 3 |
| AUT 285 | Electrification and Alternative Power | 3 |
| AUT 293 | Advanced Chassis Controls | 5 |
| ___ | Elective: Humanities or Social Science | 3 |
| ___ | Elective: Humanities or Social Science | 3 |
| | | |
| Total Credit Hour Requirements | | 68-70 |

*Placement determined by assessment test scores and/or prior college course-work



ENG 101/105 and MAT 100. Students who do not place into prerequisite courses will be admitted into the in-house program while remedial courses are being completed. degree.

Office of Admissions

1250 Turner Street • Auburn, ME 04210
(207) 55-5273 • enroll@cmcc.edu

www.cmcc.edu

Find CMCC on social media at CMCCMaine!



AUTOMOTIVE TECHNOLOGY

DEALER TRAX

Associate in Applied Science



Dealer TraX option is a state-of-the-art two-year program alternating classroom and laboratory training with paid, on-the-job experience, leading to an Associate Degree in Automotive Technology. Dealer TraX students gain knowledge as a highly skilled technician for an ever-expanding and challenging automotive industry.

Graduates are prepared to perform all NATEF (P-1) tasks to diagnose and repair:

- Systems associated with automotive chassis components
- Assemblies associated with automotive engine and power transmission systems
- Components associated with any electrical and electronic control systems, as well as accessory ergonomic systems

Develop skills and knowledge pertaining to:

- Computer controlled engine systems
- Computer-managed diagnostics
- Microelectronics
- Complex pneumatic systems
- Composite materials and hydraulics

Graduates may pursue careers as:

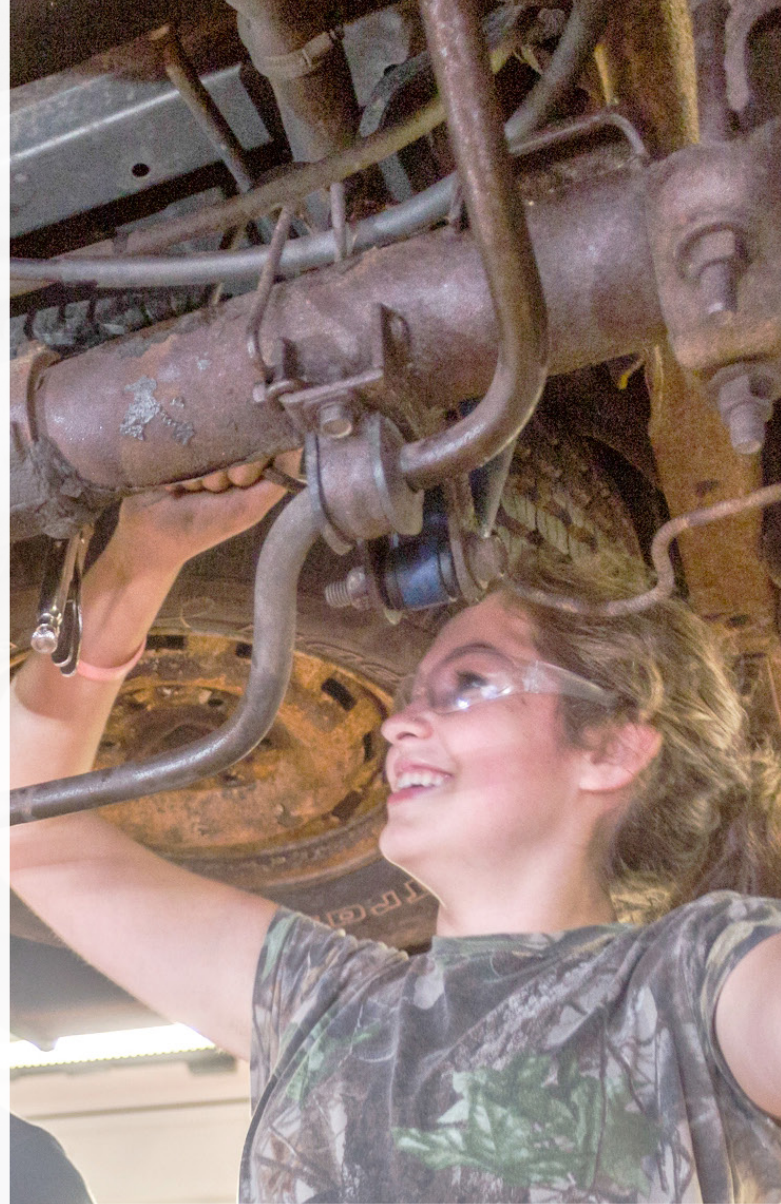
- **General Technicians**
- **Front-End Alignment Specialists**
- **Brake Specialists**
- **Automatic Transmission Specialists**

**Interested in
an immersive
on-campus experience?
Consider the In-House
specialization.**

Degree Requirements

| Semester I | | Credit Hours |
|---|--|---------------------|
| AUT 100 | Introduction to Automotive Technology | 1 |
| AUT 110 | Brakes | 2 |
| AUT 120 | Suspension and Alignment | 2 |
| AUT 150 | Electric Systems I | 3 |
| AUT 170 | Engine Performance I | 3 |
| AUT 200 | State Inspection | 1 |
| ENG ___* | Select <u>one</u> of the following: | 3 |
| | ENG 101 College Writing | |
| | ENG 105 College Writing Seminar | (4) |
| MAT ___* | Select <u>one</u> of the following: | 3 |
| | MAT 100 Intermediate Algebra | |
| | MAT 104 Technical Mathematics | |
| | | |
| Semester II | | |
| AUT 180 | Field Experience (AUT 110, 120, 150, 170) | 4 |
| AUT 159 | Auto Electronic and HVAC | 5 |
| ENG ___ | Select <u>one</u> of the following: | 3 |
| | ENG 201 Technical Writing | |
| | ENG 220 Business Communication | |
| ___ | Elective: Humanities or Social Science | 3 |
| | | |
| Summer Session | | |
| AUT 181 | Field Experience (AUT 159) | 2 |
| AUT 152 | Engine Repair 1 | 5 |
| ___ | Elective: Humanities or Social Science | 3 |
| | | |
| Semester III | | |
| AUT 182 | Field Experience (AUT 130, 131, 241) | 4 |
| AUT 241 | Automatic/ Manual Transmission | 5 |
| ___ | Elective: Open | 3 |
| ___ | Elective: Humanities or Social Science | 3 |
| | | |
| Semester IV | | |
| AUT 184 | Field Experience (AUT 271) | 4 |
| AUT 271 | Electronic Engine Control | 5 |
| ___ | Elective: Mathematics or Science | 3-4 |
| | <i>PHY 121/122 recommended</i> | |
| Total Credit Hour Requirements | | 70-72 |

*Placement determined by assessment test scores and/or prior college course-work



Dealer Trax Preregistration Field Experience Requirement

Prior to enrolling in AUT 180, Field Experience, students must first obtain a sponsor. Before agreeing to sponsor a student, a repair facility may request a criminal background check to include but not limited to criminal background, drug test and credit history. Repair facilities often require students hold a current and valid driver's license free from "current major" violations, as that term is defined in standard auto insurance policies. Repair facilities also retain the right, in their sole discretion, to accept or deny students based on their findings. Please note: the inability to secure a sponsor could jeopardize an individual's ability to meet all the requirements for this degree.



Automotive Technology Prerequisites: ENG 101/105 and MAT 100. Students who do not place into prerequisite courses will be admitted into the in-house program while remedial courses are being completed. degree.

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