

# AUTOMOTIVE TECHNOLOGY IN-HOUSE TRACK

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 100	Intermediate Algebra	3
Semester II		
AUT 152	Engine Repair I	5
AUT 159	Auto Electronic & HVAC	5
____	Elective: Open	3
____	Elective: Humanities/Social Science	3
Semester III		
AUT 240	Automatic Transmission	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: Math/Science	3
Semester IV		
AUT 252	Manual Transmission & Driveline	5
AUT 276	Advanced Systems Diagnosis	3
AUT 292	Computerized Chassis Control	3
____	Elective: Humanities/Social Science	3
____	Elective: Humanities/Social Science	3
 <b>Total Credit Hour Requirements</b>		 <b>68-70</b>

*\*Placement determined by assessment test scores and/or prior college coursework*

## Interested in the business side of the automotive industry?

The College offers a **Parts and Services Management** advising pathway in the Business Administration & Management program.

Upon graduation students accept positions as:

- Shop foremen
- Service advisors
- Service managers
- Parts and service managers (service directors)
- Automobile sales
- Parts counter sales
- Parts manager
- Manufacturer representative
- Warranty clerk

Job experience within the parts and service field could eventually lead to after-market parts assistant or store manager and automobile dealership general manager owner.



**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.

### Office of Admissions

1250 Turner Street • Auburn, ME 04210  
(207) 755-5273 • enroll@cmcc.edu

[www.cmcc.edu](http://www.cmcc.edu)

Find CMCC on social media at CMCCMaine!





# AUTOMOTIVE TECHNOLOGY DEALER TRAX

Associate in Applied Science



**Dealer TraX students alternate between classroom and automotive lab training with paid, on-the-job experience, gaining 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 100	Intermediate Algebra	3
Semester II		
AUT 180	Field Experience (AUT 110, 120, 150, 170)	4
AUT 159	Electrical Systems II and Air Conditioning	5
ENG ____	Select <u>one</u> of the following:	3
	ENG 201 Technical Writing	
	ENG 220 Business Communication	
____	Elective: Humanities/Social Science	3
Summer Session		
AUT 181	Field Experience (AUT 159)	2
AUT 130	Introduction to Engine Repair Lecture	1
AUT 131	Introduction to Engine Repair Lab	3
____	Elective: Humanities/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/Social Science	3
Semester IV		
AUT 184	Field Experience (AUT 271)	4
AUT 271	Electronic Engine Control	5
____	Elective: Math/Science <i>PHY 121/122 recommended</i>	
 <b>Total Credit Hour Requirements</b>		 <b>68-69</b>

\*Placement determined by assessment test scores and/or prior college coursework



### 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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