PROGRAM PURPOSE

Automotive technology is a two-year program designed to provide broad fundamental training in all aspects of automotive service and repair, applying up-to-date methods and materials for today's technology. In the first semester, students concentrate on the under-car chassis, including wheels and tires, wheel balancing techniques, brakes, front and rear suspension, steering systems, computerized wheel alignment and automotive electricity.

During the spring semester, first year students concentrate on automotive electronics and electrical systems, including batteries, starting systems, charging systems, ignition systems and vehicle wiring. In the second year, students cover the areas on of engine performance diagnostics and repair, including: OBDII computerized engine control, CAN and network communications, high pressure and low-pressure fuel injection systems, emission control systems, and ABS control systems. In the final semester, the course cover areas of major engine service, automatic/manual transmissions, final drive assemblies and advanced electronics.

The Automotive Technology program has achieved Master Level certification by the National Institute for Automotive Excellence (ASE).

CAREER OPPORTUNITIES

Graduates of the automotive technology program will be qualified as entry level technicians, finding employment opportunities with:

- Automotive dealerships
- Independent garages
- Aftermarket specialty shops
- Other related business
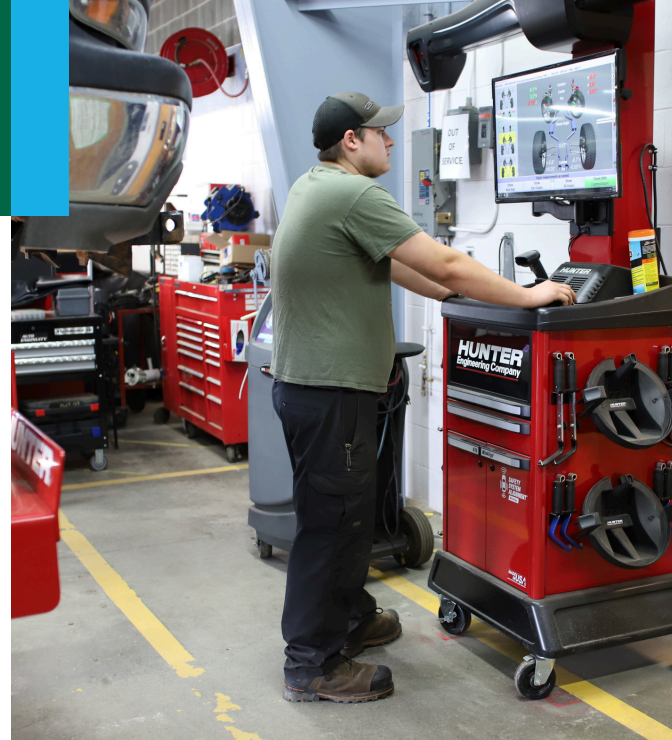
APPLICATION PROCEDURE

The following procedures constitute the admissions process:

1 Submit an NMCC application.

2 Submit official high school transcript and/or HiSET/GED scores (current senior's ranking period grades).

3 Official college transcripts for applicants who have attended other post-secondary schools.

4 If SAT scores are not available, placement testing may be required.

5 Meet with an Admissions Counselor.

6 A campus tour is highly recommended.
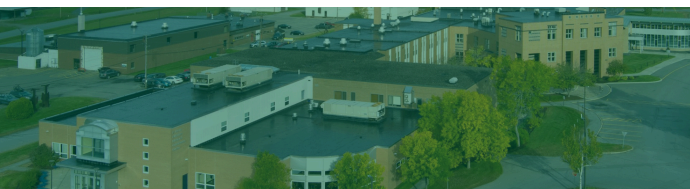
GET IN TOUCH

207-768-2785 | www.nmcc.edu
nmccadmissions@mainecc.edu | 33 Edgemont Drive
Presque Isle, ME 04769

AUTOMOTIVE TECHNOLOGY
2025-2026
Associate in Applied Science Degree Program

First Semester			C	L	CR
>	AUT 109	Introduction to Automotive Technology	0.5	1.5	1
>	AUT 114	Suspension & Steering	1.5	4.5	3
>	AUT 115	Automotive Electricity	2	2	3
>	AUT 116	Brakes	1.5	4.5	3
	ENG 111	English Composition	3	0	3
	WEI 103	Welding for Automotive Technicians	2	2	3
			10.5	14.5	16

Second Semester			C	L	CR
>	AUT 124	Engine Repair	3	9	6
>	AUT 125	Automotive Electronics	2	2	3
	AUT 216	Motor Vehicle Inspection	2	0	2
	MAT 122	Technical Mathematics	2	2	3
		Humanities Elective	3	0	3
			12	13	17

Third Semester			C	L	CR
>	AUT 214	Engine Performance	3	9	6
>	AUT 229	Automotive Heating & Air Conditioning	2	2	3
>	AUT 231	Innovative Automotive Technologies	2	2	3
>	AUT 233	Light Vehicle Diesel Systems	2	2	3
	PHY 150	Physics	3	2	4
			12	17	19

Fourth Semester			C	L	CR
>	AUT 223	Manual Drive Train & Axels	1.5	4.5	3
>	AUT 225	Automatic Transmissions	1.5	4.5	3
>	AUT 228	Alternative Propulsion Systems	2	2	3
	COM 221	Technical Communications	3	0	3
		Gen Ed Elective	3	0	3
		Social Science Elective	3	0	3
			14	11	18

Total Required   **70**

> *Major courses; a minimum grade of "C" or 2.0 is required*
> *Key: C=Class hours; L=Laboratory; CR=Credit hours*

AUTOMOTIVE TECHNOLOGY
2025-2026
Certificate Program

First Semester			C	L	CR
>	AUT 109	Introduction to Automotive Technology	0.5	1.5	1
>	AUT 114	Suspension & Steering	1.5	4.5	3
>	AUT 115	Automotive Electricity	2	2	3
>	AUT 116	Brakes	1.5	4.5	3
	ENG 111	English Composition	3	0	3
	WEI 103	Welding for Automotive Technicians	2	2	3
			10.5	14.5	16

Second Semester			C	L	CR
>	AUT 124	Engine Repair	3	9	6
>	AUT 125	Automotive Electronics	2	2	3
	AUT 216	Motor Vehicle Inspection	2	0	2
	MAT 122	Technical Mathematics	2	2	3
			9	13	14

Total Required   **30**

The Automotive Technology program has achieved Master Level certification by the National Institute for Automotive Excellence (ASE) after a thorough evaluation.

* Note: AUT courses within a semester are scheduled sequentially, not concurrently