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:
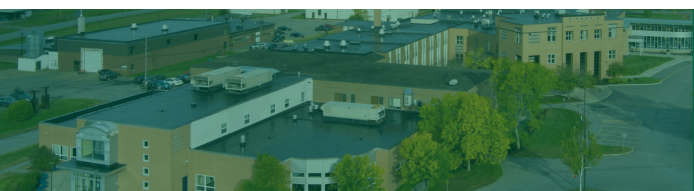
- Automotive dealerships
- Independent garages
- Aftermarket specialty shops
- Other related business

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
2024-2025
Associate in Applied Science Degree Program

First Semester

				C	L	CR
>	AUT 109	(AUTO 109)	Introduction to Automotive Technology	0.5	1.5	1
>	AUT 114	(AUTO 114)	Suspension & Steering	1.5	4.5	3
>	AUT 115	(AUTO 115)	Automotive Electricity	2	2	3
>	AUT 116	(AUTO 116)	Brakes	1.5	4.5	3
	ENG 111	(ENGL 101)	English Composition	3	0	3
	WEI 103	(WELD 103)	Welding for Automotive Technicians	2	2	3
				10.5	14.5	16

Second Semester

				C	L	CR
>	AUT 124	(AUTO 124)	Engine Repair	3	9	6
>	AUT 125	(AUTO 125)	Automotive Electronics	2	2	3
	AUT 216	(AUTO 216)	Motor Vehicle Inspection	2	0	2
	MAT 122	(MATH 130)	Technical Mathematics	2	2	3
			Humanities Elective	3	0	3
				12	13	17

Third Semester

				C	L	CR
>	AUT 214	(AUTO 214)	Engine Performance	3	9	6
>	AUT 229	(AUTO 229)	Automotive Heating & Air Conditioning	2	2	3
>	AUT 231	(AUTO 231)	Innovative Automotive Technologies	2	2	3
>	AUT 233	(AUTO 233)	Light Vehicle Diesel Systems	2	2	3
	PHY 150	(PHYS 110)	Physics	3	2	4
				12	17	19

Fourth Semester

				C	L	CR
>	AUT 223	(AUTO 223)	Manual Drive Train & Axels	1.5	4.5	3
>	AUT 225	(AUTO 225)	Automatic Transmissions	1.5	4.5	3
>	AUT 228	(AUTO 228)	Alternative Propulsion Systems	2	2	3
	COM 221	(COMM 201)	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
2024-2025
Certificate Program

First Semester

				C	L	CR
>	AUT 109	(AUTO 109)	Introduction to Automotive Technology	0.5	1.5	1
>	AUT 114	(AUTO 114)	Suspension & Steering	1.5	4.5	3
>	AUT 115	(AUTO 115)	Automotive Electricity	2	2	3
>	AUT 116	(AUTO 116)	Brakes	1.5	4.5	3
	ENG 111	(ENGL 101)	English Composition	3	0	3
	WEI 103	(WELD 103)	Welding for Automotive Technicians	2	2	3
				10.5	14.5	16

Second Semester

				C	L	CR
>	AUT 124	(AUTO 124)	Engine Repair	3	9	6
>	AUT 125	(AUTO 125)	Automotive Electronics	2	2	3
	AUT 216	(AUTO 216)	Motor Vehicle Inspection	2	0	2
	MAT 122	(MATH 130)	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