

PROGRAM PURPOSE

Diesel hydraulics technology is a two-year program emphasizing the basic principles of mechanics, building on mechanical aptitude and knowledge of eight areas of medium/heavy truck systems. These areas include preventative maintenance, brakes, diesel engine diagnosis and tune-up, suspension and steering, drive train, electrical/electronic systems and heating ventilation and A/C.

In the first semester, students concentrate on preventative maintenance, engine diagnostics and tune-up and electricity fundamentals. Coursework in the spring semester includes brakes suspension and steering and electrical systems. Specialization in diesel hydraulics, hydraulic systems test and repairs, diesel engine rebuilding, electronic controls and heating/air conditioning round out the second year.

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

CAREER OPPORTUNITIES

Graduates of the diesel hydraulics technology program may find employment as technicians with:

- Construction companies
- Forestry companies
- Transportation companies
- Heavy equipment dealers
- Agriculture operations
- Agriculture, construction, and forestry machinery dealers

Capable graduates can advance into management positions.



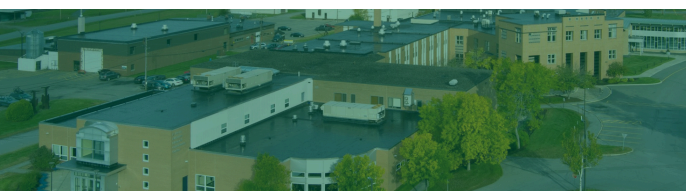
APPLICATION PROCEDURE

The following procedures constitute the admissions process:

- 1** Submit an NMCC application.

Submit official high school transcript and/or HiSET/GED scores (current senior's ranking period grades).
- 2**
- 3** Official college transcripts for applicants who have attended other post-secondary schools.

If SAT scores are not available, placement testing may be required.
- 4**
- 5** Meet with an Admissions Counselor.
- 6** A campus tour is highly recommended.



GET IN TOUCH

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Presque Isle, ME 04769

DIESEL HYDRAULICS TECHNOLOGY

2024-2025

Associate in Applied Science Degree Program

First Semester			C	L	CR
>	AUT 115 (AUTO 115)	Automotive Electricity	2	2	3
>	DIM 112 (DTHE 112)	Introduction to Diesel Hydraulics	3	9	3
>	DIM 116 (DTHE 116)	Engine Rebuilding	3	9	3
	ENG 111 (ENGL 101)	English Composition	3	0	3
	WEI 101 (WELD 101)	Introduction to Welding	2	2	3
			13	22	15
Second Semester			C	L	CR
>	AUT 125 (AUTO 125)	Automotive Electronics	2	2	3
>	DIM 122 (DTHE 122)	Heavy Equipment/ Electrical Systems	3	9	3
>	DIM 124 (DTHE 124)	Brake Systems	3	9	3
	MAT 122 (MATH 130)	Technical Mathematics	2	2	3
	SAE 121 (OSHA 121)	Industrial Safety	3	0	3
	WEI 133 (WELD 133)	Electric Welding	2	2	3
			15	24	18
Third Semester			C	L	CR
>	AUT 229 (AUTO 229)	Automotive Heating & Air Conditioning	2	2	3
>	DIM 211 (DTHE 211)	Hydraulics Technology	3	9	3
>	DIM 212 (DTHE 212)	Engine Diagnosis	3	9	3
	PHY 150 (PHYS 110)	Physics	3	2	4
		Gen Ed Elective	3	0	3
		Social Science Elective	3	0	3
			17	22	19
Fourth Semester			C	L	CR
	AUT 216 (AUTO 216)	Motor Vehicle Inspection	2	0	2
	COM 221 (COMM 201)	Technical Communications	3	0	3
>	DIM 221 (DTHE 221)	Drive Train Systems	3	9	3
>	DIM 224 (DTHE 224)	Steering & Suspension Systems	3	9	3
		Elective	3	0	3
		Humanities Elective	3	0	3
			17	18	17
Total Required			69		

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



DIESEL HYDRAULICS TECHNOLOGY

2024-2025

Certificate Program

First Semester			C	L	CR
>	AUT 115 (AUTO 115)	Automotive Electricity	2	2	3
>	DIM 112 (DTHE 112)	Introduction to Diesel Hydraulics	3	9	3
>	DIM 116 (DTHE 116)	Engine Rebuilding	3	9	3
	ENG 111 (ENGL 101)	English Composition	3	0	3
	WEI 101 (WELD 101)	Introduction to Welding	2	2	3
			13	22	15
Second Semester			C	L	CR
>	AUT 125 (AUTO 125)	Automotive Electronics	2	2	3
>	DIM 122 (DTHE 122)	Heavy Equipment/ Electrical Systems	3	9	3
>	DIM 124 (DTHE 124)	Brake Systems	3	9	3
	MAT 122 (MATH 130)	Technical Mathematics	2	2	3
	SAE 121 (OSHA 121)	Industrial Safety	3	0	3
	WEI 133 (WELD 133)	Electric Welding	2	2	3
			15	24	18
Total Required			33		



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

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