

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

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

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

Meet with an Admissions Counselor.
- 5

A campus tour is highly recommended.
- 6



GET IN TOUCH

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Presque Isle, ME 04769

DIESEL HYDRAULICS TECHNOLOGY

2026-2027

Associate in Applied Science Degree Program

First Semester			C	L	CR
>	AUT 115	Automotive Electricity	2	2	3
>	DIM 100	Diesel Tool and Safety	.5	1.5	1
>	DIM 110	Preventative Maintenance	1.5	4.5	3
	DIM 124	Brake Systems	1.5	4.5	3
	ENG 111	English Composition	3	0	3
	WEI 101	Introduction to Welding	2	2	3
			10.5	14.5	16

Second Semester			C	L	CR
>	AUT 125	Automotive Electronics	2	2	3
>	DIM 116	Engine Rebuilding	1.5	4.5	3
>	DIM 224	Steering & Suspension Systems	1.5	4.5	3
	MAT 122	Technical Mathematics	2	2	3
	WEI 133	Electric Welding	2	2	3
			9	15	15

Third Semester			C	L	CR
>	AUT 229	Automotive Heating & Air Conditioning	2	2	3
>	DIM 211	Hydraulics Technology	3	9	3
>	DIM 212	Engine Diagnosis	3	9	3
	PHY 150	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	Motor Vehicle Inspection	2	0	2
	COM 221	Technical Communications	3	0	3
>	DIM 221	Drive Train Systems	3	9	3
>	DIM 122	Heavy Equipment Electrical Systems	3	9	3
		Humanities Elective	3	0	3
		Elective	3	0	3
			17	18	17

Total Required **67**

> **Major courses; a minimum grade of "C" or 2.0 is required**

Key: C=Class hours; L=Laboratory; CR=Credit hours

DIESEL HYDRAULICS TECHNOLOGY

2026-2027

Certificate Program

First Semester			C	L	CR
>	AUT 115	Automotive Electricity	2	2	3
>	DIM 100	Diesel Tools and Safety	.5	1.5	1
>	DIM 110	Preventative Maintenance	1.5	4.5	3
	DIM 124	Brake Systems	1.5	4.5	3
	ENG 111	English Composition	3	0	3
	WEI 101	Introduction to Welding	2	2	3
			10.5	14.5	16

Second Semester			C	L	CR
>	AUT 125	Automotive Electronics	2	2	3
>	DIM 116	Engine Rebuilding	1.5	4.5	3
>	DIM 224	Steering & Suspension Systems	1.5	4.5	3
	MAT 122	Technical Mathematics	2	2	3
	WEI 133	Electric Welding	2	2	3
			9	15	15

Total Required **31**



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

