Diesel Heavy Equipment Technology

Program
Diesel Heavy Equipment Technology
Degree Type
Associate in Science

The Associate in Science degree program in Diesel Heavy Equipment Technology prepares students to diagnose and service diesel powered trucks and equipment. Students learn to use a system's approach to analyze and repair diesel engines, transmissions, brakes, hydraulics, related technologies, and controlling systems. Extensive laboratory courses and a co-op experience are supported by rigorous coursework in physics, math, communications, and social science. Shop safety, work habits, shop management, and customer relations are also stressed.

Graduates of this program find employment at heavy truck and equipment dealerships, as well as forestry, agricultural, and automotive dealerships whose lines include diesel-powered units. Students may also find employment in construction, trucking, recreation, marine service, power generation, and other industries that use diesel-powered units.

The Diesel Heavy Equipment Technology program is accredited through the Associated Equipment Distributors (AED) and is the only college in New England with this accreditation.

Students can expect to spend an additional $1500-$2500 for tools.

First Year, Fall Semester

Course Number	Title	Lecture	Lab	Credits
ACAD105W	Academic Readiness	1	0	1
DSL111W	Introduction to Diesel Heavy Equipment Technology	2	0	2
DSL113W	Heavy-Duty Electrical Systems	3	3	4
ENGL120W	College Composition	4	0	4
PHYS215W	Fluid Power	3	2	4
	Sub-Total Credits	**13**	**5**	**15**

First Year, Spring Semester

Course Number	Title	Lecture	Lab	Credits
DSL115W	Diesel Power Systems	3	3	4
DSL117W	Fuel and Emission Systems	3	3	4
DSL216W	Mobile Hydraulics I	2	3	3
PHYS113W	Electricity and Electronics	3	2	4
	Mathematics	4	0	4
	Sub-Total Credits	**15**	**11**	**19**

Summer Term

Course Number	Title	Lecture	Lab	Credits
DSL119W	Cooperative Education	0	3	1
	Sub-Total Credits	**0**	**3**	**1**

Second Year, Fall Semester

Course Number	Title	Lecture	Lab	Credits
DSL211W	Heavy-Duty Power Trains	3	3	4
DSL219W	Failure Analysis	3	0	3
DSL222W	Mobile Hydraulics II	2	3	3
DSL226W	Electronic Troubleshooting	0	4	2
ENGL211W	Professional Writing	3	0	3
	Sub-Total Credits	**11**	**10**	**15**

Second Year, Spring Semester

Course Number	Title	Lecture	Lab	Credits
DSL227W	Heavy-Duty Chassis, Brake, and Climate Control Systems	4	3	5
WELD214W	Introduction to Arc Welding and Cutting Processes	1	4	3
	Humanities	3	0	3
	Social Science	3	0	3
	Sub-Total Credits	**11**	**7**	**14**
	Total Credits			**64**