



Mobile Equipment Technology at White Mountains Community College

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[Mobile Equipment Technology Home Page](#)

The Associate in Science Degree program in Mobile Equipment Technology prepares students to diagnose and service diesel-powered trucks and equipment. Students will learn to use a systems approach to analyze and repair diesel engines, transmissions, brakes, hydraulics, related technologies and controlling systems. Extensive lab courses and a coop 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 from 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, forestry, trucking, skiing, marine service, power generation, and other industries that use diesel-powered units.

There are four options in this program. The On-Highway option prepares students to work on heavy-duty on-highway trucks. The Off-Highway option prepares students to work on large earth moving, agricultural, or forestry equipment. The [Parts and Service Management option](#) prepares students to work as parts and service consultants, as parts or service managers, or in general service management positions. A One-Year [Certificate](#) option is also available.

First Year

Fall Semester	Lec	Lab	Cr
COM101 Intro to Windows and Word Processing	1	0	1
DSL111 Introduction to Mobile Equipment Technology	2	0	2
DSL211 Heavy-Duty Power Trains	3	3	4
DSL214 Welding I	1	3	2
MAT112 Algebra & Trigonometry I	3	0	3
PHY113 Electricity and Electronics	3	2	4
Semester Total	13	8	16
Spring Semester	Lec	Lab	Cr
DSL113 Heavy Duty Electrical Systems	3	3	4
DSL115 Diesel Power Systems	3	3	4
DSL117 Fuel Delivery Systems	3	3	4
DSL221 Welding II	1	3	2
PHY212 Hydraulics	3	2	4
Semester Total	13	14	18
Summer Term	Lec	Lab	Cr
DSL119 Cooperative Education	0	3	1
Semester Total	0	0	1
First Year Total			35

Second Year

Fall Semester	Lec	Lab	Cr
DSL216 Mobile Hydraulics I*			
OR			
DSL217 On-Highway Brake Systems	3	3	4
DSL219 Failure Analysis	3	0	3
ENG120 College Composition	3	0	3
PHY115 Technical Physics	3	2	4
SOC Social Science Elective	3	0	3
Semester Total	15	5	17
Spring Semester	Lec	Lab	Cr
DSL118 Heavy-Duty Air Conditioning Systems	1	2	2
DSL213 Heavy-Duty Chassis & Brake Systems*	3	3	4

DSL218	Senior Project	1	0	1
DSL220	Vehicle Inspection and Commercial Drivers License	3	0	3
OR				
DSL222	Mobile Hydraulics II*	2	3	3
ENG211	Technical Writing	3	0	3
	Humanities Elective	3	0	3
		Semester Total 13/14 5/8 16		
		Second Year Total 33		

* Denotes Off-Highway Option

Total for A.S. Degree = 68

Parts and Service Management Option

First Year

Fall Semester		Lec	Lab	Cr
COM101	Intro to Windows and Word Processing	1	0	1
COM103	Intro to Spreadsheets	1	0	1
DSL111	Introduction to Mobile Equipment Technology	2	0	2
DSL211	Heavy-Duty Power Trains			
MAT112	Algebra and Trig I	3	0	3
PHY113	Electricity and Electronics	3	2	4
		Semester Total	13	5 15
Spring Semester		Lec	Lab	Cr
COM105	Intro to Database Management	1	0	1
DSL113	Heavy Duty Electrical Systems	3	3	4
DSL115	Diesel Power Systems	3	3	4
MGT218	Small Business Management	3	0	3
PHY212	Hydraulics	3	2	4
		Semester Total	13	8 16
Summer Semester		Lec	Lab	Cr
DSL119	Cooperative Education	0	3	1
		Semester Total	0	3 1
		First Year Total	32	

Second Year

Fall Semester		Lec	Lab	Cr
ACC111	Accounting I	3	0	3
DSL219	Failure Analysis	3	0	3
ENG120	College Composition	3	0	3
MGT214	Management	3	0	3
PHY115	Technical Physics	3	2	4
		Semester Total	15	2 16
Spring Semester		Lec	Lab	Cr
ACC214	Managerial Finance and Accounting	3	0	3
BUS116	Business Plan Development	3	0	3
DSL218	Senior Project	1	0	1
ENG211	Technical Writing	3	0	3
MGT216	Project Management Seminar	3	0	3
HUM	Humanities Elective	3	0	3
SOC	Social Science Elective	3	0	3
		Semester Total	19	0 19
		Second Year Total	35	
		Total for A.S. Degree = 67		

