

Heavy Equipment and Transport Technology

Curriculum Description

The Heavy Equipment and Transport Technology curriculum is designed to prepare individuals with the knowledge and skills needed to service, troubleshoot, and repair medium and heavy duty vehicles.

The course work includes the purpose, construction features, and principles of operation of medium and heavy duty vehicles.

Graduates of the curriculum should qualify for entry-level employment opportunities in a dealership, fleet shop, or independent garage as a technician. Graduates that have met the work experience requirement should also be prepared to take the ASE certification exam.

The following represents one way in which the program of study can be completed. Students who aren't able to follow this plan should consult their academic advisor to be sure that they take courses in the best order for their success.

Diploma

D60240

Day

POS Approved: Fall 2007

Course Prefix	Course Number	Course Title	HOURS PER WEEK			
			Class	Lab	Clinical/Shop	Credit/Co-op Hours
Fall Semester						
HET	110	Diesel Engines	3	9	0	6
HET	112	Diesel Electrical Systems	3	6	0	5
HET	125	Preventive Maintenance	1	3	0	2
HET	230	Air Brakes	<u>1</u>	<u>2</u>	<u>0</u>	<u>2</u>
			8	20	0	15

Spring Semester

ELN	112	Diesel Electronics System	2	6	0	4
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ENG	101	Applied Communications I	3	0	0	3
HET	116	Air Cond/Diesel Equip	1	2	0	2
HET	119	Mechanical Transmissions	2	2	0	3
MAT	101	Applied Mathematics I	<u>2</u>	<u>2</u>	<u>0</u>	<u>3</u>
			10	12	0	15

Summer Term

HET	114	Power Trains	3	6	0	5
HET	233	Suspension and Steering	2	4	0	4
HYD	112	Hydraulics/Med/Heavy Duty	<u>1</u>	<u>2</u>	<u>0</u>	<u>2</u>
			6	12	0	11

Total Credit Hours: 41

Heavy Equipment and Transport Technology

Certificate

C60240

Day

Course Prefix	Course Number	Course Title	HOURS PER WEEK			
			Class	Lab	Clinical/Shop	Credit/Co-op Hours
Fall Semester						
HET	110	Diesel Engines	3	9	0	6
HET	112	Diesel Electrical Systems	3	6	0	5
HET	125	Preventive Maintenance	1	3	0	2
HET	230	Air Brakes	<u>1</u>	<u>2</u>	<u>0</u>	<u>2</u>
			8	20	0	15

Spring Semester

HET	116	Air Cond/Diesel Equip	<u>1</u>	<u>2</u>	<u>0</u>	<u>2</u>
			1	2	0	2

Total Credit Hours: 17