



DIESEL POWERED EQUIPMENT TECHNOLOGY

Program Description & Curriculum

About the Program

The purpose of this program is to provide specialized classroom instruction and practical shop experience to prepare individuals for employment as job entry-level diesel powered equipment technicians. The program prepares the individual to select, safely use, and maintain hand and power tools, jacks, and hoisting equipment. The content includes, but is not limited to, disassembling engines and replacing parts, fuel injection systems, oil and water pumps, electrical systems, steering and suspension systems, brake systems, drive train, and chassis. Instruction also includes the use of

technical manuals, preventive maintenance procedures, and safe and efficient work practices.

Degrees/Certificates

- Technical Diploma (TD)
- Certificate of Technical Studies (CTS)
- Technical Competency Area (TCA)

Available degrees and certificates may vary at each campus. Check with your local campus for more information.

CIP 470605

Diesel Powered Equipment Technology CURRICULUM				
Course #	Course Title	Lecture/Lab Hours	Credit Hours	Clock Hours
ORNT1000	Student College Career Success Seminar	1/0	1	15
DPET1120	Safety Skills & Introduction To Diesel	1/2	3	105
DPET1130	Diesel Engine Parts Identification & Operating PRI	2/2	4	120
DPET1140	Engines I	1/2	3	105
DPET1141	Engines II	1/2	3	105
DPET1240	Diesel Engine Fuel Systems	1/2	3	90
CPTR1000	Introduction To Computers	1/1	2	45
DPET1210	Basic Diesel Electrical Systems	2/2	4	120
DPET1220	Advanced Diesel Electrical Systems	1/2	3	105
DPET1231	Diesel Engine Control Systems	1/1	2	60
DPET1150	General Engine Diagnostics	1/2	3	90
DPET1310	Introduction To Power Trains	1/1	2	60
DPET1320	Transmissions	1/2	3	105
DPET1330	Differentials	1/2	3	75
DPET2110	Basic Hydraulics	1/1	2	60
DPET2130	Brakes	1/3	4	150
DPET2140	Fundamentals Of Steering	1/2	3	75
DPET2210	Fundamentals Of Suspension	1/2	3	75
DPET2220	Air Conditioning	2/2	4	120
DPET2240	Diesel Preventive Maintenance	1/2	3	105
JOBS2450	Job Seeking Skills	2/0	2	30
TD - Diesel Powered Equipment Technician			60	1815
Optional Electives:				
CSRV1000	Customer Service	3/0	3	45
CSRV2000	Customer Service and Sales	3/0	3	45
ENTP1000	Foundations of Entrepreneurship	3/0	3	45
<i>The following courses may be substituted for the above course requirements with approval from the College's Chief Academic Officer.</i>				
DPET2991	Special Projects I	0/1	1	30
DPET2993	Special Projects II	0/2	2	60
DPET2995	Special Projects III	0/3	3	90
DPET2996	Special Projects IV	3/0	3	45
DPET2997	Practicum	0/3	3	135
DPET2998	Special Projects V	1/0	1	15
DPET2999	Cooperative Education	0/3	3	135
DPET1251	Alternative Fuel Systems	1/1	2	45
DPET2120	Advanced Hydraulics	1/2	3	105
DPET2231	Welding	1/1	2	60

Course #	Course Title	Lecture/Lab Hours	Credit Hours	Clock Hours
Certificate Exit Levels:				
ORNT1000	Student College Career Success Seminar	1/0	1	15
DPET1120	Safety Skills & Introduction To Diesel	1/2	3	105
DPET2220	Air Conditioning	2/2	4	120
TCA - Air Condition Technician			8	240
ORNT1000	Student College Career Success Seminar	1/0	1	15
DPET1120	Safety Skills & Introduction To Diesel	1/2	3	105
DPET2140	Fundamentals Of Steering	1/2	3	75
DPET2210	Fundamentals Of Suspension	1/2	3	75
TCA - Steering And Suspension Technician			10	270
ORNT1000	Student College Career Success Seminar	1/0	1	15
DPET1120	Safety Skills & Introduction To Diesel	1/2	3	105
DPET2110	Basic Hydraulics	1/1	2	60
DPET2130	Brakes	1/3	4	150
TCA - Brake Technician			10	330
ORNT1000	Student College Career Success Seminar	1/0	1	15
DPET1120	Safety Skills & Introduction To Diesel	1/2	3	105
DPET1130	Diesel Engine Parts Identification & Operating PRI	2/2	4	120
DPET1140	Engines I	1/2	3	105
TCA - Diesel Engine Technician Apprentice			11	345
ORNT1000	Student College Career Success Seminar	1/0	1	15
DPET1120	Safety Skills & Introduction To Diesel	1/2	3	105
DPET1310	Introduction To Power Trains	1/1	2	60
DPET1320	Transmissions	1/2	3	105
DPET1330	Differentials	1/2	3	75
TCA - Drive Train Technician			12	360
ORNT1000	Student College Career Success Seminar	1/0	1	15
DPET1120	Safety Skills & Introduction To Diesel	1/2	3	105
DPET1130	Diesel Engine Parts Identification & Operating PRI	2/2	4	120
DPET1140	Engines I	1/2	3	105
DPET1141	Engines II	1/2	3	105
DPET1240	Diesel Engine Fuel Systems	1/2	3	90
CPTR1000	Introduction To Computers	1/1	2	45
DPET1210	Basic Diesel Electrical Systems	2/2	4	120
DPET1220	Advanced Diesel Electrical Systems	1/2	3	105
DPET1231	Diesel Engine Control Systems	1/1	2	60
DPET1150	General Engine Diagnostics	1/2	3	90
CTS - Diesel Engine Technician			31	960