

DIESEL TECHNOLOGY



Medium/Heavy Duty Truck
A.A.S. Degree



Minimum 70 hours

Career & Technical Education • Associate in Applied Science Degree • Minimum 2.0 OGPA • Major Code: DMHDT

FIRST YEAR

Fall Semester		Credit Hrs.
COM 146	Business & Professional Communication	3
DSL 130	Basic Mechanical Skills	3
DSL 131	Engine Electronics I	3
DSL 157	Basic Internal Combustion Engines	3
DSL 158	Hydraulics I	3
EMP 111	Job Skills Development	2
Total Hours		17

Spring Semester		Credit Hrs.
ENG 121	Rhetoric & Composition I	3
PSYC 131 or PSYC 121	Human Relations Intro Psychology	3
DSL 132	Engine Electronics II	3
DSL 235	Diesel Heating & Air Conditioning	4
DSL 275	Diesel Engines	4
Total Hours		17

Summer Semester		Credit Hrs.
DSL 172	Occupational Experience	5
Total Hours		5

SECOND YEAR

Fall Semester		Credit Hrs.
DSL 230	Diesel Brakes	4
DSL 233	Electrical Diagnosis	5
DSL 234	Diesel Transmission & Drive Trains	4
DSL 276	Diesel Fuel Systems	3
Total Hours		16

Spring Semester		Credit Hrs.
DSL 133	Preventative Maintenance	4
DSL 232	Diesel Suspension and Steering	4
MATH 151 or MATH 128	Occupational Math College Algebra*	4/3
Science/Health**		3/4
Total Hours		15

*MATH 128 College Algebra recommended.

**BIOL 141 Environmental Science or PHYS121 Introductory Physics is recommended. HLTH 121 Personal Health may also be used.

SPECIAL REQUIREMENTS: Students are required to furnish their own tools. Tool list provided by instructors. Safety glasses are required when working in the shop areas.

THE DIESEL LAB is located in the Robert I. Gregg Technology Center. This well-equipped lab is updated and maintained for quality training and technical instruction.

THIS DEGREE is designed to provide the student with the knowledge and skills necessary for the repair, maintenance, and operation of diesel engines in medium to heavy-duty trucks, heavy equipment, agriculture equipment, or diesel passenger vehicles; to test and repair hydraulic systems; and, to overhaul diesel engines.

THE DIESEL TECHNOLOGY PROGRAM is certified by **National Automotive Technicians Education Foundation (NATEF)** and **National Institute for Automotive Service Excellence (ASE)**. Students have the opportunity to earn Master Certification in the following areas: T1-Gasoline Engines, T2-Diesel Engines, T3-Drive Train, T4-Brake, T5-Suspension & Steering, T6-Electrical/Electronics Systems, T7-Heating, Ventilation and Air Conditioning, T8-Preventive Maintenance Inspection.

Fabick/Caterpillar, headquartered in Fenton, Missouri, has selected Southeastern Illinois College as a training partner to fill the company's growing need for diesel technicians.

Occupational information about this program is available at O*NET online www.onetonline.org. Once at that website enter the SOC Code that is listed for this program.

O*NET – SOC Code: 49-3031.00

Career Opportunities:

Service Manager, Parts Manager, Diesel Technician, Diesel Mechanic.

Major Employers:

Trucking Companies, Vehicle Service Centers, Wholesale Trade Firms, Construction Companies, Heavy and Farm Equipment Dealers, Auto Dealers, Independent Repair Shops, Farms, Equipment Leasing Companies, Public Transit Firms, Educational Institutions.

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