

DIESEL TECHNOLOGY



Diesel Technology

The skills needed to analyze malfunctions and repair, rebuild, and maintain construction equipment, agriculture equipment, or medium and heavy trucks are emphasized in this program. You'll get instruction and experience in systems such as diesel engines, fuel injection, onboard computers, transmissions, steering and suspension, and brakes.

Hazard Community & Technical College offers two Diesel Technology diplomas—Construction Equipment Technician and Medium & Heavy Truck Technician—as well as the following certificates: Construction Equipment Mechanic Helper, Diesel Engine Mechanic, Diesel Mechanics Assistant, Diesel Steering & Suspension Mechanic, Electrical Electronics Systems Mechanic, Fluid Power Mechanic, Heavy Duty Brake Mechanic, Heavy Duty Drive Train Mechanic, Medium & Heavy Truck Mechanic Helper, Mobile Air Conditioning Mechanic, Preventive Maintenance Mechanic, and Undercarriage Mechanic.

You must receive a grade of C or better to receive credit for successful completion of courses in the Diesel Technology curriculum.

Job Outlook

According to labor statistics in the United States, the minimum hourly diesel technician salary is \$18.94/hour. The average salary for technicians is \$23.50/hour. The maximum diesel tech salary is \$28.41 per hour. The growth rate for jobs is 15%, which is about the national average.

Technical courses to be utilized in this degree will be taken from the list of approved technical courses at Hazard Community and Technical College.

#GO2HCTC

One Community College Drive | Hazard, KY 41701 | (606) 436-5721 | hazard.kctcs.edu



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KENTUCKY COMMUNITY AND TECHNICAL COLLEGE SYSTEM

DIESEL TECHNOLOGY

CURRICULUM AND OTHER INFORMATION DIESEL TECHNOLOGY DIPLOMAS

DIPLOMAS

CONSTRUCTION EQUIPMENT

TECHNICIAN

| General Education | Credits |
|--|----------|
| Area 1 = Written Communication, Oral Communications, or Humanities/Heritage..... | 3 |
| Area 2 = Social/Behavioral Sciences, Natural Sciences, or Quantitative Reasoning | 3 |
| Subtotal | 6 |

Technical Courses

| | |
|--|-----|
| Computer/Digital Literacy Course OR Demonstrated Competency..... | 0-3 |
| ADX 170 Climate Control..... | 3 |
| ADX 171 Climate Control Lab | 1 |
| BEX 100 Basic Electricity for Non-Majors AND..... | 3 |
| BEX 101 Basic Elec Lab for Non-Majors OR | 2 |
| ADX 120 Basic Auto Electricity AND..... | (3) |
| ADX 121 Basic Auto Electricity Lab OR .(2) | |
| ELT 110 Circuits I..... | (5) |
| DIT 103 Preventive Maintenance Lab..... | 2 |
| DIT 110 Intro to Diesel Engines AND..... | 3 |
| DIT 111 Intro to Diesel Engines Lab OR... | 2 |
| ADX 150 Engine Repair AND | (3) |
| ADX 151 Engine Repair Lab | (2) |
| DIT 112 Diesel Engine Repair..... | 3 |
| DIT 113 Diesel Engine Repair Lab..... | 2 |
| DIT 150 Power Trains | 3 |
| DIT 151 Power Trains Lab | 2 |
| DIT 152 Powertrain for Construction Equip | 3 |
| DIT 153 Powertrain for Construction Equip Lab..... | 2 |

| | |
|--|--------------|
| DIT 121 Introduction to Maintenance Welding Lab OR | |
| WLD 120 Shielded Metal Arc Welding (SMAW) AND | (3) |
| WLD 121 Shielded Metal Arc Welding (SMAW) Lab..... | (2) |
| DIT 123 Undercarriage Lab | 3 |
| DIT 140 Hydraulics AND | 3 |
| DIT 141 Hydraulics Lab OR..... | 2 |
| FPX 100 Fluid Power AND..... | (3) |
| FPX 101 Fluid Power Lab..... | (2) |
| DIT 190 Electrical Systems for Diesel Equipment AND | 3 |
| DIT 191 Electrical Systems for Diesel Equipment Lab OR | 2 |
| ADX 260 Electrical Systems AND..... | (3) |
| ADX 261 Electrical Systems Lab | (2) |
| Subtotal | 47-52 |
| Total Credits | 53-58 |

MEDIUM & HEAVY TRUCK TECHNICIAN

| General Education | Credits |
|---|----------|
| Area 1 = Written Communication, Oral Communications, or Humanities/Heritage | 3 |
| Area 2 = Social/Behavioral Sciences, Natural Sciences, or Quantitative Reasoning..... | 3 |
| Subtotal | 6 |

Technical Courses

| | |
|---|-----|
| Computer/Digital Literacy Course OR Demonstrated Competency | 0-3 |
|---|-----|

| | |
|--|--------------|
| ADX 170 Climate Control | 3 |
| ADX 171 Climate Control Lab | 1 |
| BEX 100 Basic Electricity for Non-Majors AND | 3 |
| BEX 101 Basic Elec Lab for Non-Majors OR..... | 2 |
| ADX 120 Basic Auto Electricity AND..... | (3) |
| ADX 121 Basic Auto Electricity Lab OR .(2) | |
| ELT 110 Circuits I | (5) |
| DIT 103 Preventive Maintenance Lab | 2 |
| DIT 110 Intro to Diesel Engines AND | 3 |
| DIT 111 Intro to Diesel Engines Lab OR... | 2 |
| ADX 150 Engine Repair AND | (3) |
| ADX 151 Engine Repair Lab..... | (2) |
| DIT 112 Diesel Engine Repair..... | 3 |
| DIT 113 Diesel Engine Repair Lab | 2 |
| DIT 140 Hydraulics AND..... | 3 |
| DIT 141 Hydraulics Lab OR..... | 2 |
| FPX 100 Fluid Power AND..... | (3) |
| FPX 101 Fluid Power Lab..... | (2) |
| DIT 150 Power Trains | 3 |
| DIT 151 Power Trains Lab..... | 2 |
| DIT 160 Steering and Suspension..... | 3 |
| DIT 161 Steering and Suspension Lab | 2 |
| DIT 180 Brakes..... | 3 |
| DIT 181 Brakes Lab | 2 |
| DIT 190 Electrical Systems for Diesel Equipment AND | 3 |
| DIT 191 Electrical Systems for Diesel Equipment Lab OR | 2 |
| ADX 260 Electrical Systems AND..... | (3) |
| ADX 261 Electrical Systems Lab | (2) |
| Subtotal | 46-49 |
| Total Credits | 52-55 |

Contact Information:

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HIGHER EDUCATION BEGINS HERE

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