

Diesel General Service Technician

Transportation Technologies

Certificate of Achievement

The diesel general service technician certificate program is a one-year, two-semester training program for the student that would like to enter the heavy equipment/over the road repair field with skills in basic maintenance. All general service training may be applied toward other diesel degree programs.

Certificate Outcomes

Students completing the certificate will:

- Identify and implement safety procedures involved in diagnosis, service, and repair of all major medium/heavy duty truck and heavy equipment components and systems.
- Analyze and interpret diagnostic and test information to formulate correct repair procedures.
- Demonstrate correct repair strategies and techniques by applying knowledge of system operation and demonstration of mechanical skills to accomplish repair tasks.

General Education Requirements

Communications 3 credits

BUS 107 or COM 113

Human Relations 3 credits

Recommended: CE 201

Quantitative Reasoning 3 credits

MATH 108 or higher

Total General Education Requirements 9 Credits

Core Requirements

AIT 110 General Industrial Safety..... 1
 AUTO 111 Automotive Electricity..... 4
 DT 211 Light Duty Performance 2

Total Core Requirements 7 Credits

Emphasis Requirements

DT 101 Basic Diesel Engines 4
 DT 201 Diesel Brakes and Pneumatics 3
 DT 210 Advanced Diesel Engines..... 4
 DT 235 Steering and Suspension..... 2
 DT 250 Preventative Maintenance..... 2

Total Emphasis Requirements 15 Credits

Total Certificate Requirements 31 Credits

Suggested Course Sequence

First Year	Course #	Title	Credits
1st Semester			
Core	AIT 110	General Industrial Safety	1
Emphasis	DT 101	Basic Diesel Engines	4
Emphasis	DT 201	Brakes and Pneumatics	3
Emphasis	DT 210	Advanced Diesel Engines	4
Quantitative Reasoning	MATH 108	Math for Technicians	3
Total			15
2nd Semester			
Core	AUTO 111	Automotive Electricity	4
Human Relations	CE 201	Workplace Readiness	3
Core	DT 211	Light Duty Performance	2
Emphasis	DT 235	Steering and Suspension	2
Emphasis	DT 250	Preventative Maintenance	2
Communications	BUS 107	Business Speech Communications	3
Total			16
Certificate Total			31