

Program of Study

Career Field: Industrial, Manufacturing, and Engineering Systems

Career Cluster: Transportation, Distribution, and Logistics

Career Pathway: Facility and Mobile Equipment Maintenance



Mid-Plains Community College

DEGREE:

Diesel Technology

<http://programs.mpcc.edu/Diesel.html>

	GRADE	ENGLISH	MATH	SCIENCE	SOCIAL STUDIES	GENERAL ELECTIVES	PATHWAY ELECTIVE COURSES	EXTENDED LEARNING SCHOOL/COMMUNITY ACTIVITIES			
HIGH SCHOOL	9	English/Language Arts I	Algebra I	Physical Science	Geography	World Languages and Cultures Physical Education Health Education Information Technology Applications I Entrepreneurship CAD (Computer Aided Drafting) Diesel Mechanics Welding	Intro to the Transportation, Distribution and Logistics Industry Mobile Equipment Preventative Maintenance Systems/Basic Care Mobile Equipment Maintenance and Repair	<i>School Activities:</i> SkillsUSA, OPPD/NPPD PowerDrive, DECA, FFA, Math Club <i>Community Activities:</i> Learn to drive a tractor or truck, Read automotive and mechanical magazines, Learn automotive repair and maintenance, Take Drivers Education			
	10	English/Language Arts II	Geometry	Biology	World History						
	11	English/Language Arts III	Algebra II	Chemistry	American History						
	12	English/Language Arts IV	Intro to Statistics Discrete Math Pre-Calc	Physics	American Government or Economics						
MID-PLAINS COMMUNITY COLLEGE		COMMUNICATIONS	MATH	SCIENCE	SOCIAL SCI/HUMANITIES	DEGREE REQUIREMENTS	MAJOR COURSES				
	13 and 14	Basic Technical Communications	General Math A		Personal Finance		Safety	Heavy Duty Engine Design & Fundamentals	Heavy Duty Engine System Recon	Mechanics Electrical	Adv Heavy Duty Electrical Systems
		Fundamentals of Speech Communication					Equipment Maintenance	Powertrain Repair	Mechanical Hydraulic Systems	Applied Welding for Prime Movers	Mechanics Air Conditioning
							Preventive Maintenance	Fuel Systems	Fuel Systems Overhaul	Heavy Duty Suspensions	Engine Testing
							Engine Overhaul	Air and Engine Brakes	Electronic Fuel Controls	Allison Transmissions	Hydraulic & Anitlock Brakes