

**Diesel Mechanics (DEM)
 Certificate
 M.A.P.**

Semester	Suggested Courses	Semester(s) Offered*	Credit Hrs.
Semester 1 17 credit hours <i>Basic Maintenance Certificate Achieved</i>	DEM 104 Basic Engines	Fall	3
	DEM 105 Preventive Auxiliary Services	Fall	3
	DEM 111 Equipment Safety/ Mechanical Fundamentals	Fall	3
	DEM 119 Bearings and Lubricants	Fall	3
	DEM 130 Electrical/Electronic Fundamentals	Fall	3
	ORI 101 Orientation to College	Fall, Spring, Summer	2
Semester 2 18 credit hours <i>Advanced Maintenance Certificate Achieved</i>	DEM 122 Heavy Vehicle Brakes	Spring	3
	DEM 123 Pneumatics and Hydraulics	Spring	3
	DEM 124 Electronic Engine Systems	Spring	3
	DEM 125 Heavy Vehicle Drive Trains	Spring	3
	DEM 135 Heavy Vehicle Steering and Suspension	Spring	3
	MTH 100 <i>or</i> Intermediate College Algebra <i>or</i> MTH 116 Mathematical Applications	Fall, Spring, Summer	3
Semester 3 18 credit hours <i>Engine Specialist Certificate Achieved</i> <i>Diesel Mechanics Certificate Achieved</i>	DEM 126 Advanced Engine Analysis	Summer	3
	DEM 127 Fuel Systems	Summer	3
	DEM 129 Basic Engine Lab	Summer	3
	DEM 139 Diesel Emissions and Aftertreatment Systems	Summer	3
	ENG 101 English Composition I	Fall, Spring, Summer	3
	SPH 106 <i>or</i> Fundamentals of Oral Communication <i>or</i> SPH 107 Fundamentals of Public Speaking	Fall, Spring, Summer	3
Total Hours			53

*Course(s) may be offered in additional semesters but are only assured to run in semester(s) indicated. It is **highly** recommended for course(s) to be completed in the semester(s) indicated.

Part-time students and full-time students desiring to begin the DEM program of study during a spring or summer semester should consult with an academic advisor to establish an alternate degree completion pathway.