

MODEL ROUTE

School:	Transportation	Program Number:	8215					
Program Title:	(Heavy Duty) Motive Power Technician	Credential:	<input type="checkbox"/> Certificate <input type="checkbox"/> Graduate Certificate <input checked="" type="checkbox"/> Diploma <input type="checkbox"/> Advanced Diploma <input type="checkbox"/> Degree					
Delivery Mode:	<input type="checkbox"/> Co-Op <input checked="" type="checkbox"/> Non - Co-Op <input type="checkbox"/> Fast Track	Duration (Semesters):	<input type="checkbox"/> 2 <input type="checkbox"/> 3 <input checked="" type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> 7					
Intake:	FALL							
Course Code	Course Title	Co/Pre Requisite (Course Code)	Lab Hours	Lecture Hours	Total Course Hrs (Lab + Lecture)	Weeks (14)	Total Hours	
Semester 1								
Fall 2021								
COMM 160/161	College Communication 1*		0	3	3	14	42	
MPPS-101	Motive Power Professional Skills		0	3	3	14	42	
HDMP 101	Workplace Trade Practices 1		2	2	4	14	56	
HDMP 102	Engine Systems 1		2	2	4	14	56	
HDMP 107	Electrical Fundamentals		2	2	4	14	56	
HDMP 109	Fluid Power Systems 1		2	2	4	14	56	
MCAL 100	Measurements & Calculations 1		0	2	2	14	28	
			8	16	24	Total	336	
Semester 2								
Winter 2022								
COMM 170/171	College Communication 2*	P COMM 160/161	0	3	3	14	42	
GNED	General Education Elective		0	3	3	14	42	
HDMP 205	Drive Train Systems 1		2	2	4	14	56	
HDMP 206	Wheel End Assemblies & Brake Systems		2	2	4	14	56	
HDMP 208	Fuel Systems 1		2	2	4	14	56	
HDMP 211	Trade Practices Hoisting and Rigging	P HDMP 101	2	2	4	14	56	
MCAL 200	Measurements and Calculations 2	P MCAL 100	0	2	2	14	28	
			8	16	24	Total	336	
Semester 3								
Fall 2022								
FOPM 100	Fixed Operations Management 1		0	2	2	14	28	
GNED 500	Global Citizenship		0	3	3	14	42	
HDMP 301	Fluid Power Systems 2	P HDMP 109	2	2	4	14	56	
HDMP 305	Workplace Trade Practices 2	P HDMP 101	2	2	4	14	56	
HDMP 307	Electrical Systems 1	P HDMP 107	2	2	4	14	56	
HDMP 309	Steering, Tires, and Brake Systems	P HDMP 206	2	2	4	14	56	
HDMP 310	Drive Train Systems 2	P HDMP 205	2	2	4	14	56	
			10	15	25	Total	350	
Semester 4								
Winter 2023								
ENGL 219	Communications for Motive Power Professionals	P COMM 170/171	0	2	2	14	28	
FOPM 200	Fixed Operations Management 2	P FOPM 100	0	2	2	14	28	
GNED	General Education Elective		0	3	3	14	42	
HDMP 401	Fluid Power Systems 3	P HDMP 301	2	2	4	14	56	
HDMP 406	Engine Systems 2	P HDMP 102	2	2	4	14	56	
HDMP 407	Electrical Systems 2	P HDMP 307	2	2	4	14	56	
HDMP 408	Fuel Systems 2	P HDMP 208	2	2	4	14	56	
HDMP 412	Welding - Arc and MIG		2	0	2	14	28	
			10	15	25	Total	350	
Minimum Grade Required: Cumulative GPA of 2.0 or "C"								
						Total Program Hours:	1372	
C = Co-Requisite; P = Pre-Requisite								
Notes:								
* Students will be placed in the appropriate level based on skills assessment results.								
Students who complete all semester 1 subject areas successfully including COMM 160/161, with a minimum GPA of 2.5 will be eligible to transfer to Heavy Duty Motive Power-Coop stream program code 8235.								
<div style="display: flex; justify-content: space-between; align-items: flex-end;"> <div style="width: 45%;"> <p>Signature: _____</p> <p>Chairperson</p> </div> <div style="width: 45%;"> <p>March 2021</p> <p>Revised Date</p> </div> </div>								