

2024-25 ACADEMIC COURSES

MEC 105: PNEUMATICS AND HYDRAULICS IN FLUID POWER

In this course, students are introduced to the fundamental principles of fluid power used in both pneumatics and hydraulics. By applying Pascal's Law, students will understand prime mover requirements, the principles and operation of fluid power fixed displacement pumps and compressors, pressure and flow control valves and actuators. Failure modes and troubleshooting concepts are also covered. Level I Prerequisite: Academic Reading and Writing Levels of 6; Academic Math Level 3

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Description	Hours
Credits	4
Lecture Hours	45
Clinical Hours	0
Lab Hours	45
Other Hours	0
Total Hours	90

Accurate as of 05/16/2025 Information is subject to change without notice.