

# DEM 222: Heavy Utility Vehicles Fluid Power I

This course introduces the student to basic fluid power concepts and fundamentals. It provides the principles of hydraulics and component operation. Emphasis is placed on graphic symbols and schematics, fluids and conditioners, reservoirs, pumps, valves, actuators, conductors and connectors, accumulators and accessories. Upon completion, students should be able to identify components, test systems and repair hydraulic issues on heavy utility body systems.

**Credits:** 3

**Lab Hours:** 4

**Lecture Hours:** 1

**Program:** Diesel Technology

**Semester Offered:**

Fall

Spring

Summer