

## DSET1100 - Diesel Equipment Fundamentals

Credits:	2 (1/1/0)
Description:	This course is designed to give the student an understanding of a diesel shop environment. Personal and shop safety will be emphasized. Hand tool, pneumatic tool, precision measuring tool and hardware identification, usage and safety will also be areas of study.
Prerequisites:	
Corequisites:	
Pre/Corequisites*:	
Competencies:	<ol style="list-style-type: none"> <li>1. Apply principles of personal and environmental safety.</li> <li>2. Identify the storage, handling and use of hazardous materials.</li> <li>3. Identify the proper use of shop equipment used in a truck, agricultural, or construction equipment dealership.</li> <li>4. Identify the types of fasteners used in truck, agricultural, and construction industries.</li> <li>5. Identify the use of precision tools.</li> <li>6. Perform precision tool measuring.</li> <li>7. Perform drilling, tapping, and thread repair.</li> <li>8. Perform Oxy-Acetylene torch and plasma operating techniques.</li> <li>9. Perform arc or MIG welder operating techniques.</li> <li>10. Describe the safety hazards of high pressure hydraulic and diesel injection systems.</li> </ol>
MnTC goal areas:	None

\*Can be taking as a Prerequisite or Corequisite.