

## MCDD2200 - Advanced Modeling with SolidWorks

Credits:	3 (2/1/0)
Description:	This course covers advanced part modeling, assembly modeling, sheet metal, weldments and presentation files in the latest version of the SolidWorks drawing software package.
Prerequisites:	<ul style="list-style-type: none"> <li>• CADD1400</li> <li>• MCDD1106</li> </ul>
Corequisites:	
Pre/Corequisites*:	
Competencies:	<ol style="list-style-type: none"> <li>1. Analyze top down, bottom up and middle out assembly configurations in SolidWorks.</li> <li>2. Utilize advanced part modeling tools.</li> <li>3. Demonstrate design automation techniques.</li> <li>4. Utilize assembly constraints.</li> <li>5. Manipulate sheet metal fabrication environment and utilize sheet metal tools.</li> <li>6. Demonstrate application techniques for hole tables.</li> <li>7. Demonstrate application techniques for a bill of materials.</li> <li>8. Manipulate and utilize presentation environment for exploded assembly models.</li> <li>9. Apply SmartMate rules and constraints to assembly geometry.</li> </ol>
MnTC goal areas:	None

\*Can be taking as a Prerequisite or Corequisite.