

## MCDD2210 - Advanced Modeling with Inventor

Credits:	3 (2/1/0)
Description:	This course covers advanced part modeling, assembly modeling, sheet metal, frame generator and presentation files in the latest version of the Inventor drawing software package.
Prerequisites:	<ul style="list-style-type: none"><li>• CADD1410</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 Inventor.</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 iMate rules and constraints to assembly geometry.</li></ol>
MnTC goal areas:	None

*\*Can be taking as a Prerequisite or Corequisite.*