

## CADD1000 - AutoCAD Basics

Credits:	3 (2/1/0)
Description:	This course provides the fundamentals of computer-aided drafting (CAD) using the latest version of the AutoCAD drafting software. The course develops the CAD skills necessary to design and print complex two-dimensional drawings and sheet sets.
Prerequisites:	
Corequisites:	
Pre/Corequisites*:	
Competencies:	<ol style="list-style-type: none"> <li>1. Format AutoCAD drawing and template settings.</li> <li>2. Utilize geometric construction tools to produce drawing elements.</li> <li>3. Utilize modifying commands to manipulate drawing geometry.</li> <li>4. Analyze dimensioning techniques, annotation tools and dimension terminology.</li> <li>5. Calculate dimension, multileader and linetype scale factors.</li> <li>6. Create drawing layouts and scaled viewports for both single- and multi-sheet drawings.</li> <li>7. Apply hatch patterns to drawing geometry using appropriate hatching techniques.</li> <li>8. Design, define and utilize block geometry and attributes.</li> <li>9. Interface with the AutoCAD Design Center to incorporate existing drawing information into multiple files.</li> </ol>
MnTC goal areas:	None

\*Can be taking as a Prerequisite or Corequisite.