

## CADD1102 - Fundamentals of CADD

| Credits:           | 4 (2/2/0)   |
|--------------------|---|
| Description:       | This course provides the fundamentals of computer-aided drafting using the latest version of AutoCAD drafting software. The course develops the fundamental CADD skills necessary to produce and print complex drawings and sheet sets.   |
| Prerequisites:     |   |
| Corequisites:      |   |
| Pre/Corequisites*: |   |
| Competencies:      | <ol> <li>Demonstrate proper use of the computer operating system.</li> <li>Format Autocad drawing settings.</li> <li>Utilize ribbons and context sensitive menus to produce drawings.</li> <li>Apply basic geometric construction tools to produce drawings.</li> <li>Apply modifying techniques to drawing geometry.</li> <li>Analyze dimensioning techniques and dimension terminology.</li> <li>Calculate dimension and linetype scale factors.</li> <li>Create drawing layouts.</li> <li>Calculate scale factors for plotting drawing geometry.</li> <li>Apply hatching techniques to appropriate drawing geometry.</li> <li>Create block geometry and attribute definitions.</li> <li>Interface with the Autocad Design Center to share drawing geometry.</li> <li>Analyze drawing settings and utility commands.</li> </ol> |
| MnTC goal areas:   | None  |

\*Can be taking as a Prerequisite or Corequisite.