

## CADD1102 - Fundamentals of CADD

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| 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 style="list-style-type: none"> <li>1. Demonstrate proper use of the computer operating system.</li> <li>2. Format Autocad drawing settings.</li> <li>3. Utilize ribbons and context sensitive menus to produce drawings.</li> <li>4. Apply basic geometric construction tools to produce drawings.</li> <li>5. Apply modifying techniques to drawing geometry.</li> <li>6. Analyze dimensioning techniques and dimension terminology.</li> <li>7. Calculate dimension and linetype scale factors.</li> <li>8. Create drawing layouts.</li> <li>9. Calculate scale factors for plotting drawing geometry.</li> <li>10. Apply hatching techniques to appropriate drawing geometry.</li> <li>11. Create block geometry and attribute definitions.</li> <li>12. Interface with the Autocad Design Center to share drawing geometry.</li> <li>13. Analyze drawing settings and utility commands.</li> </ol> |
| MnTC goal areas:   | None   |

\*Can be taking as a Prerequisite or Corequisite.