

# BLDG1110 - Principles of Residential and Commercial Construction

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| Credits:           | 3 (1/2/0)  |
| Description:       | Students work in small groups with industry specialists and education professionals. Students attend multiple classroom and lab activities where they learn safety requirements for construction environments, proper use of a variety of hand tools, applications of shop equipment, the residential and commercial building process, and small equipment operations. Students will participate in a speed interviewing exercise with industry experts and learn about occupations in the construction trades profession.   |
| Prerequisites:     | <ul style="list-style-type: none"> <li>• Instructor Approval</li> </ul>  |
| Corequisites:      |  |
| Pre/Corequisites*: |  |
| Competencies:      | <ol style="list-style-type: none"> <li>1. Demonstrate safety and health standards for construction and trades environments.</li> <li>2. Demonstrate fundamental standards for plumbing applications.</li> <li>3. Demonstrate fundamental standards for construction electricity applications.</li> <li>4. Demonstrate fundamental standards for plumbing applications.</li> <li>5. Demonstrate fundamental standards for residential framing principles.</li> <li>6. Demonstrate fundamental standards for commercial framing principles.</li> <li>7. Demonstrate fundamental standards for case and base applications.</li> <li>8. Demonstrate fundamental standards for window and door installation.</li> <li>9. Demonstrate fundamental standards for roofing applications.</li> <li>10. Demonstrate fundamental standards for sheeting and siding applications.</li> <li>11. Demonstrate fundamental standards for interpreting blueprints and building codes.</li> <li>12. Demonstrate fundamental standards for operating small diesel equipment.</li> <li>13. Demonstrate fundamental standards for concrete forming and finishing.</li> <li>14. Demonstrate fundamental standards for carpet installation.</li> <li>15. Demonstrate fundamental standards for tile installation.</li> </ol> |
| MnTC goal areas:   | None   |

\*Can be taking as a Prerequisite or Corequisite.