

## ARCH1126 - Residential Project I

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| Credits:           | 3 (1/2/0)   |
| Description:       | This course covers the design development and documentation of single-family living. Students will be introduced to residential design styles as well as proper documentation methods.  |
| Prerequisites:     | <ul style="list-style-type: none"> <li>• CADD1000</li> <li>• ENGT1134</li> </ul>  |
| Corequisites:      |   |
| Pre/Corequisites*: |   |
| Competencies:      | <ol style="list-style-type: none"> <li>1. Identify architectural styles and elements.</li> <li>2. Design residential schematics according to given design criteria.</li> <li>3. Produce a project template file to specified computer aided drafting (CAD) standards</li> <li>4. Draw basement and main level floor plans.</li> <li>5. Draw a typical wall section.</li> <li>6. Draw a building section.</li> <li>7. Design a building exterior based on a given architectural style.</li> <li>8. Draw building elevations.</li> <li>9. Draw a roof plan.</li> <li>10. Draw a stair section.</li> <li>11. Create bathroom and kitchen layouts.</li> <li>12. Draw a kitchen plan and cabinet elevations.</li> <li>13. Draw a bathroom plan and cabinet elevations.</li> <li>14. Evaluate site design factors.</li> <li>15. Draw a site plan according to given zoning requirements.</li> </ol> |
| MnTC goal areas:   | None  |

\*Can be taking as a Prerequisite or Corequisite.