

## ARCH2244 - Commercial Projects

Credits:	4 (1/3/0)
Description:	This course covers the construction document process for commercial building design while having the student complete a self-guided capstone project. Content will include final detailing, scheduling and sheet set layout from a given design developed project.
Prerequisites:	<ul style="list-style-type: none"> <li>• ARCH2226</li> <li>• ARCH2240</li> </ul>
Corequisites:	
Pre/Corequisites*:	
Competencies:	<ol style="list-style-type: none"> <li>1. Report code requirements of mixed-use building typology.</li> <li>2. Design floor plans of a self-guided project.</li> <li>3. Draw floor plans per given CAD standards.</li> <li>4. Complete a square footage estimate of the self-guided project.</li> <li>5. Design the exterior of a self-guided project.</li> <li>6. Select exterior material finishes for a self-guided project.</li> <li>7. Draw building elevations per given CAD standards.</li> <li>8. Draw a roof plan per given CAD standards.</li> <li>9. Select initial structural, mechanical and electrical systems for a self-guided project.</li> <li>10. Create a coordinated building section for a self-guided project.</li> <li>11. Draw sections per given CAD standards.</li> <li>12. Report zoning requirements of a project site.</li> <li>13. Draw property metes and bounds from given survey information.</li> <li>14. Draw a site plan per given CAD standards.</li> <li>15. Select interior material finishes for a self-guided project.</li> <li>16. Coordinate door, window and room finish schedules with a building design.</li> <li>17. Draw construction details for a building envelope.</li> <li>18. Coordinate a drawing set per given CAD standards.</li> </ol>
MnTC goal areas:	None

\*Can be taking as a Prerequisite or Corequisite.