

# CERTIFICATE OF ACHIEVEMENT



# Architectural Drafting

This certificate of achievement provides a focused course of study for students in preparation for careers as drafters in support of architectural projects. Emphasis is placed on visualization of three-dimensional objects and the methods and techniques to express buildings and similar objects on two-dimensional media. Drafting basics are addressed, including linework, dimensioning, and symbology in the context of appropriate industry standards. The coursework includes the preparation of architectural building plans as required for project approval and construction. The use of computer-aided drafting (CAD) software and state-of-the-art building modeling software is an integral component to the certificate.

To acquire the **Certificate of Achievement in Architectural Drafting**, it is necessary to complete the following courses:

Required Courses	Units	N	IP	C
ENGT 101 Introduction to Technical Drawing & Graphics	<b>3</b>			
ARCH 115 Introduction to Residential Architecture: Drawing and Design	<b>4</b>			
ENGT 150 AutoCAD for Basic CADD Applications or ENGT 170 MicroStation for Basic CADD Applications	<b>4</b>			
ARCH 260 *Residential Architecture Using Revit and 3D Software or ARCH 280 *Advanced MicroStation for CADD & BIM Applications	<b>4</b>			
<b>Choose a minimum of 1 unit from the following:</b>				
ENGT 105 Introduction to Visualization, Sketching, & Rendering	<b>2</b>			
ARCH 290 Cooperative Work Experience/Internship for Architecture Related Fields	<b>1-4</b>			
ARCH 299 *Directed Study in Architecture Design & Drawing	<b>1-3</b>			
<b>Total units needed for Certificate of Achievement</b>	<b>16-19</b>			
Units Completed				
*Prerequisite/Corequisite				
<i>Courses are not necessarily listed in order of enrollment; see prerequisites</i>				