

# CERTIFICATE OF ACHIEVEMENT



# ARCHITECTURAL DESIGN & DRAWING TECHNICIAN

This certificate of achievement provides a focused course of study for students in preparation for careers as designers of architectural projects and potential licensure as architects. Emphasis is placed on project visualization, industry-standard drawing techniques and conventions, computer-aided drafting (CAD) skills, and the specific preparation of architectural building plans. Additionally, the integral coursework includes a focus on the official code requirements necessary for residential and commercial building projects. The curriculum also includes introductory coursework in associated fields of project engineering and construction.

To acquire the **Certificate of Achievement in Architectural Design and Drawing Technician**, it is necessary to complete the following courses:

Required Courses	Units	N	IP	C
ARCH 110 Construction Document Reading and Estimating	3			
ARCH 115 Introduction to Residential Architecture: Drawing and Design	4			
ARCH 125 *Residential Architecture: Design & Construction	4			
ARCH 225 *Commercial Architecture: Design and Construction	4			
CIV 140 Civil Engineering Fundamentals	4			
ENGT 101 Introduction to Technical Drawing & Graphics	3			
ENGT 105 Introduction to Technical Freehand Sketching	2			
ENGT 150 AutoCAD for Basic CADD Applications or ENGT 170 MicroStation for Basic CADD Applications	4			
<b>Choose a minimum of 3 units from the following:</b>				
ARCH 215 *Architectural Perspective and Rendering	4			
ARCH 260 *Advanced Architecture Using Revit and 3D Software	4			
ARCH 280 *Advanced MicroStation for CADD & BIM Applications	4			
ARCH 290 Cooperative Work Experience/Internship for Architecture Related Fields	1-4			
ARCH 299 *Directed Study in Architecture Design & Drawing	1-3			
<b>Total units needed for Certificate of Achievement</b>	<b>31-32</b>			
Units Completed				
*Prerequisite/Corequisite				
<i>Courses are not necessarily listed in order of enrollment; see prerequisites</i>				