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/CIV/ENGT 101　Introduction to Technical Drawing & Graphics	3			
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 & Construction Fundamentals	4			
ENGT 105　Introduction to Visualization, Sketching, & Rendering	2			
ENGT 150　AutoCAD for Basic CADD Applications or ENGT 170　MicroStation for Basic CADD Applications	4			
Choose a minimum of 3 units from the following:				
ARCH 215　*Architectural Perspective and Rendering	4			
ARCH 260　*Advanced Architecture Using Revit and 3D Software	4			
ARCH/ENGT 280　*Advanced MicroStation for CADD & BIM Applications	4			
ARCH 290　Work Experience Education/Internship for Architecture-Related Fields	1-4			
ARCH 299　*Directed Study in Architecture Design & Drawing	1-3			
ENGT 200　*Intermediate CAD Modeling for Design & Prod.	4			
Total units needed for Certificate of Achievement	**31-32**			
Units Completed				
*Prerequisite/Corequisite				
Courses are not necessarily listed in order of enrollment; see prerequisites				