

CERTIFICATE OF ACHIEVEMENT

ENGINEERING DESIGN TECHNOLOGY

This Certificate is designed for technical, mechanical and manufacturing careers and leads to employment in CADD application, engineering-related, mechanical and manufacturing-related industries, public works, utilities and CADD/Drafting-related industries.

To acquire the **Certificate of Achievement in Engineering Design Technology**, it is necessary to complete the following courses:

Required Courses	Units	N	IP	C
ARCH/CIV/ENGT 101 Intro. to Technical Drawing & Graphics	3			
ENGT 105 Introduction to Visualization, Sketching, & Rendering	2			
ENGT 150 AutoCAD for Basic CADD Applications or ENGT 170 MicroStation for Basic CADD Applications	4			
ENGT 250 Introduction to Parametric Modeling 3D Applications for Mechanical Design	4			
ENGT 122 Intermediate Engineering Design: Geometric Dimensioning & Tolerancing	3			
ENGT 200 *Intermediate CAD Modeling for Design & Production	4			
ENGT 131 *Advanced Engineering Design: Manufacturing Applications of Technical Drawing	4			
ENGT 231 *Product Design and Presentation	4			
Choose 6 units from the following courses:				
ARCH 215 *Perspective and Rendering	4			
ARCH 235 *Architectural Design Studio	4			
ENGT/ENGR 100 Introduction to Engineering	2			
ENGT 123 Intermediate Engineering Design: Descriptive Geometry	2			
ENGT 270 *Advanced 3D Parametric Modeling and Prototype Applications	4			
ENGT 280 *Advanced MicroStation for CADD & BIMM Applications (Same as ARCH 280)	4			
ENGT 290 Work Experience Education/Internship for Drafting-Related Fields	1-4			
Total units needed for Certificate of Achievement	28			
Units Completed				
*Prerequisite/Corequisite				
<i>Courses are not necessarily listed in order of enrollment; see prerequisites</i>				