Engineering Design Technology: Standards for Design

This Certificate of Achievement provides a focused course of study for students in preparation for careers in the field of engineering, manufacturing, drafting, and design technology. Emphasis is placed on the use of industry standards to complete projects in engineering, manufacturing, or related fields. Coursework involves the preparation of industry standards outlined by industry organizations such as the International Organization for Standardization (ISO), American National Standards Institution (ANSI), and American Society of Mechanical Engineers (ASME) to accomplish projects within a design environment as experienced in higher levels of engineering education, and as is common in workplace conditions.

To acquire the **Certificate of Achievement in Engineering Design Technology: Standards for Design**, 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 122 Intermediate Engineering Design: Geometric Dimensioning & Tolerancing	3			
ENGT 250 Introduction to Parametric Modeling 3D Applications for Mechanical Design	4			
ENGT 150 AutoCAD for Basic CADD Applications or ENGT 170 MicroStation for Basic CADD Applications	4			
Total units needed for Certificate of Achievement	**16**			
Units Completed				
*Prerequisite/corequisite				