

DIVISION OF CAREER & WORKFORCE EDUCATION

ENGINEERING DESIGN TECHNOLOGY

ASSOCIATE OF SCIENCE DEGREE

This major curriculum leads to the **Associate of Science Degree in Engineering Design Technology** for advanced Tech Prep applications, employment in design, engineering and manufacturing-related industries, public works, utilities and CADD/Drafting-related industries. The program includes applications such as 3D parametric modeling, CADD (Computer-Assisted Design and Drafting), manufacturing processes, 3D Printing, and traditional drafting methods and standards.

To acquire the **Associate of Science Degree in Engineering Design Technology**, students must complete the required major courses below with a grade of "C" or better or of "P" if the course was taken on a Pass/No Pass basis, along with either of the following: Rio Hondo College General Education (RHC GE) or California General Education Transfer Curriculum (Cal-GETC). California State University General Education - Breadth (CSU GE) or Intersegmental General Education Transfer Curriculum (IGETC) may be used in some cases; please see a counselor for details.

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 or AutoCAD for Basic CADD Applications 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 a minimum of 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 or *Advanced MicroStation for CADD & BIMM Applications ARCH 280	4			
ENGT 290 Work Experience Education/Internship for Drafting-Related Fields	4			
Total major units needed for Associate of Science	34			
Units Completed				
*Prerequisite/Corequisite				