RIO HONDO COLLEGE

DIVISION OF CAREER & TECHNICAL 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 along with one of the following:

- o   RHC GE and Proficiency requirements
- o   CSU GE (California State University General Education Breadth)
- o   IGETC (Intersegmental General Education Transfer Curriculum)

Required Courses	Units	N	IP	C
ENGT 101 Introduction 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 123 Intermediate Engineering Design: Descriptive Geometry	2			
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 4 units from the following courses:				
ENGT 270 *Advanced 3D Parametric Modeling and Prototype Applications	4			
ENGT 280 or *Advanced MicroStation for CADD & BIMM **ARCH 280** Applications	4			
ENGT 290 Cooperative Work Experience/Internship for Drafting Related Fields	4			
Total major units needed for Associate of Science	34			
Units Completed				
*Prerequisite/Corequisite				