

Mechanical Design

CAREER PATHWAY



COURSES	CREDITS	MECHANICAL COMPUTER-AIDED DRAFTING TECHNICAL DIPLOMA	MECHANICAL DESIGN TECHNOLOGY ASSOCIATE DEGREE
Basic Mechanical Drafting	2 credits	●	●
Intermediate Mechanical Drafting (AutoCAD)	2 credits	●	●
Introduction to Working Drawings (AutoCAD)	3 credits	●	●
Manufacturing Processes & Applications	3 credits	●	●
Geometric Dimensioning and Tolerancing	3 credits	●	●
Parametric Drafting Using SolidWorks	3 credits	●	●
Working Drawings Using SolidWorks	3 credits	●	●
Parametric Drafting Using Creo	2 credits	●	●
Working Drawings Using Creo	2 credits	●	●
Introduction to Sociology OR Intro to Psychology	3 credits	●	●
Oral/Interpersonal Communications	3 credits	●	●
College Technical Mathematics 1	5 credits		●
Intro to Psychology	3 credits		●
Statics	4 credits		●
General Physics 1	4 credits		●
Machine Elements	3 credits		●
Kinematics	3 credits		●
Strength of Materials	4 credits		●
Intro to Sociology OR Economics	3 credits		●
Tool Design Basic	3 credits		●
Design Problems	3 credits		●
Intro to Current Manufacturing Trends	2 credits		●
Written Communication OR Technical Reporting OR English Composition 1	3 credits		●
TOTAL CREDITS		29	66

LEADS TO:	CAREER	CAD TECHNICIAN, MECHANICAL DRAFTER	ENGINEERING TECHNICIAN, CAD TECHNICIAN, MECHANICAL DRAFTER
	STARTING SALARY RANGE		\$35,500-42,000



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A Career Pathway is a ladder approach to career education. It allows you to earn employer-recognized credentials that lead to jobs & career advancement.



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