STRANDS

Mass Property Analysis

Multi-View Drawings

Computer Controlled Machines

Alphanumeric Coding

Geometry

Assembly-Line Operations

Programmable Logic Controller

Robotic Controllers

Dimensional Tolerances

Rapid-Prototyping

CTE®
Learning that works
for Utah

COMPUTER INTEGRATED MANUFACTURING

ABOUT

Computer Integrated Manufacturing is an introduction to the fundamentals of computerized manufacturing technology. Students build on the solid modeling skills developed in the Introduction to Engineering Design course. Students use 3-D computer software to solve design problems. They assess their solutions through mass propriety analysis (the relationship of design, junction, and materials), modify their designs, and use prototyping equipment to produce 3-D models.

CAREER PATHWAYS
Manufacturing
Electrical Engineer
Software Develeoper

REQUIREMENTS
Year-long course for Sophomores, Juniors, and Seniors

LOCATIONS
All high school students have access to take Computer Integrated Manufacturing

Talk to your high school CTE Coordinator

CTE Tech & Engineering Specialist
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