Engineering Technology Design
3D Modeling & Mechanical Engineering Design

Create what YOU imagine

I'm Mario!

Three (3) Class to Build and Innovate

CAD Mechanical Design I
The first in a sequence of courses that develops technical knowledge and skills required to plan and prepare scale pictorial interpretations and technical documentation of engineering and design concepts. This includes instruction in the use of Computer-Aided Design (CAD) software, sketching, drawing layout, geometric construction, orthographic projection, and dimensioning.

3 Credits
SUI Concurrent Enrollment

CAD Mechanical Design II
The second in a sequence of courses that prepares individuals with an emphasis in developing technical knowledge and skills to develop 3D models in support of mechanical and industrial engineers, and related professionals. This includes instruction in the use of 3D Computer-Aided Design (CAD) software, model creation, and technical communication.

3 Credits
SUI Concurrent Enrollment

CAD Mechanical Design III
The third in a sequence of courses that prepares individuals with an emphasis in developing technical knowledge and skills to develop working drawings in support of mechanical and industrial engineers, and related professionals. This includes instruction in the use of 3D Computer-Aided Design (CAD) software, threads and fasteners, welding symbols, geometric dimensioning and tolerancing, and assemblies.

3 Credits
SUI Concurrent Enrollment

AAS Degree Mechanical Drafter $45 to $55K
BS Degree Mechanical Design Technician $58 to $70K
BS Degree Mechanical Engineer $70 to $90K

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