



MECHANICAL DRAFTING & DESIGN

CERTIFICATE

Curriculum Requirements: 18 Credits START HERE

1

First Year, Fall Semester	Credits	Milestone	Completed
CAD 102 Introduction to AutoCAD I	3		<input type="checkbox"/>
CAD 107 Introduction to SolidWorks I	3		<input type="checkbox"/>
CAD 115 Mechanical Drafting Standards & Procedures	3		<input type="checkbox"/>
Total Credits	9		

Program Milestones

Program milestone courses should be taken in the term and order noted.

2

First Year, Spring Semester	Credits	Milestone	Completed
CAD 204 Advanced SolidWorks II	3		<input type="checkbox"/>
CAD 210 Advanced AutoCAD II	3		<input type="checkbox"/>
Program Elective	3		
Total Credits	9		

General Advising Notes

Courses cannot be successfully completed with only a phone or a tablet. YCCC will provide students free access to Microsoft Office 365. YCCC utilizes a Microsoft user environment for most of its classes. When buying a computer, it may be beneficial to purchase a Windows laptop or desktop.

All certificate courses can be applied to the Architectural & Engineering Design Degree.

YOU'VE FINISHED!

The sequencing of courses in this program begins in the fall semester. Students entering in the spring or summer will likely take longer than two semesters to complete the program.

Program Description

The Mechanical Drafting and Design Certificate Program is designed to meet the needs of those who plan to seek employment in the area of mechanical drafting & design. Students learn basic engineering standards and design concepts, machining and fabrication processes, knowledge of materials, and measurements and mathematics as they relate to the design process. Courses utilize the latest Autodesk and SolidWorks CAD software, allowing students to graduate with leading edge skills. All courses in this certificate program may be applied to the AAS degrees in Architectural and Engineering Design and Precision Machining Technology.

Career Opportunities

The Mechanical Drafting and Design Certificate program prepares technicians in the design and production of drawings of mechanical parts and assemblies. Courses provide graduates with enhanced skills and knowledge for careers as Mechanical CAD Design/Drafters. Potential fields of employment include manufacturing, fabrication, research and development, woodworking, and mechanical design industries.

DISCLAIMER

While every effort has been made to ensure accuracy, the college reserves the right to make edits due to errors or omissions or changes at any time with respect to course offerings, degree and program requirements addressed in this publication. The information provided is solely for the convenience of the reader, and the college disclaims any liability, which may otherwise be incurred.



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To learn more, call us at 207-216-4409 or
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