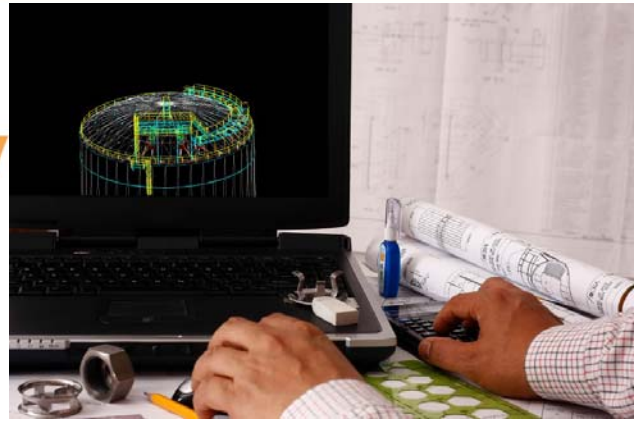




PROGRAMS OF **study**

MECHANICAL DRAFTING & DESIGN



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.

Mechanical Drafting and Design - program sequencing

The sequencing of courses in this program begins in the fall semester.

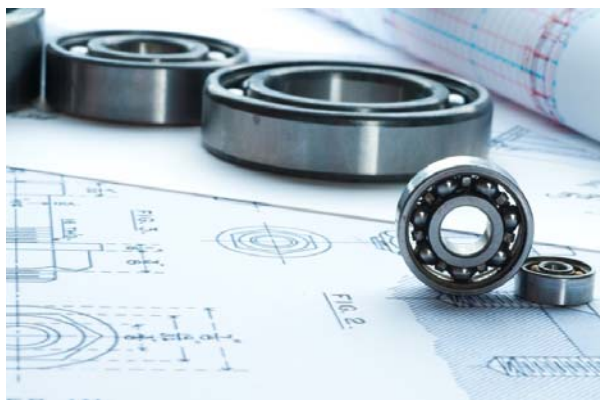
Students entering in the spring or summer will likely take longer than two semesters to complete the program.

Curriculum Requirements: 18 credits	Credits	Grade	Semester
First Year, Fall Semester (9 credits)			
CAD 102 Introduction to CAD	3		
CAD 107 Solid Modeling I	3		
CAD 115 Blueprint Reading	3		
First Year, Spring Semester (9 credits)			
CAD 204 Solid Modeling II	3		
CAD 210 Computer-Aided Drafting II	3		
CAD 214 Geometric Dimensioning and Tolerancing	3		

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.

Certificate programs at YCCC are designed to lead to either employment and/or college transfer, and we want to provide prospective students with gainful employment disclosure information prior to admission/enrollment in those programs. Please follow this link for more information: <http://www.yccc.edu/about-yccc/college/consumer-info/>



Articulation agreements exist between York County Community College and various colleges and universities.. Please, contact Career and Transfer Services for information regarding these agreements.

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