

COMPUTER AIDED DESIGN AND DRAFTING (CADD) CERTIFICATE

CADD 252	Customizing AutoCAD	3
Total Credits		12

Award: Certificate in Computer Aided Design and Drafting

No. of credits required: 12

For more information: Contact Business & Applied Technology at bat@harford.edu; or Admissions, 443-412-2109.

Program Description

This certificate program is designed to provide students with a solid foundation of Computer Aided Design and Drafting (CADD) through familiarization with the computer, peripheral devices and specialized software. This program prepares students to function as entry-level CADD technicians and operators who assist engineers and architects in all design and drawing preparation phases.

Program Goals

Upon successful completion of the CADD certificate, students will be able to:

1. Create and revise CADD drawings.
2. Choose appropriate tools and techniques to produce effective and well organized CADD drawings.
3. Use industry terminology and standards.
4. Identify opportunities to improve productivity and accuracy and construct appropriate solutions.

Employment Information

Conventional drafting practices have given way to the use of CADD. With the number of CADD positions continuing to increase into the future, employment opportunities will continue to grow. These opportunities include, but are not limited to the following: CADD Operator, Design Assistant, Layout or Mechanical Draftsperson, CADD Technician or Engineering technicians. Credits earned in this certificate program are applicable to the Associate of Applied Science degree in CADD.

According to the U.S. Bureau of Labor Statistics, Architectural and Civil Drafter positions will increase by 8% through 2026.

Certificate Requirements

In order to earn a certificate from Harford Community College, students must demonstrate basic competencies in English, reading, and mathematics by completing: ENG 018 Integrated Reading and Writing, MATH 020 Pre-Algebra I, and/or a qualifying exam must be passed.

Required Courses

Code	Title	Credits
CADD 101	Introduction to CADD	3
CADD 102	Intermediate CADD	3
Select one of the following:		3
CADD 250	Solid Modeling	
CADD 131	Revit 1	
CADD 265	Solidworks	