Computer Aided Design Technology: Career Pathway - AAS

West Burlington Campus, and select course available at the Keokuk Campus

The Computer Aided Design (CAD) program provides students with the skills necessary to create detailed product and assembly drawings, as well as architectural blueprints. Students learn the process of visualizing and developing models in two and three dimensional environments. Several software programs are introduced and used to provide students with hands-on experiences with the tools utilized in the workforce. Students will earn an OSHA 10 General Industry credential upon completion of the first semester of the program.
Students may choose between two pathways in the CAD program: Career Pathway or Transfer Pathway.
The Career Pathway provides students with the skill set needed to go directly into the industry. Students are introduced to the CAD field during their internship. Successful completion of the CAD AAS program prepares the student for their full-time career.
Please view the technical standards for this course.

Instructor and Staff

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Program Requirements

Fall Semester I		Credit
CAD-101	Introduction to CAD	3
DRF-113	Fundamentals of Technical Drafting	3
MFG-212	Basic Machine Theory	3
EGT-108	Principles of Engineering	3
MAT-702	Introduction to Math Applications	3
Semester Total...		15

Spring Semester I		Credit
MFG-142	Geometric Dimensioning Tolerancing	3
CAD-277	3-D Dimensional (3-D) Modeling I	3
EGT-116	Continuous Quality Management	3
SOC-114	Conflict Resolution in the Workplace	3
ENG-110	Writing for the Workplace	3
Semester Total...		15

Summer Semester		Credit
CAD-932	Internship	4
Semester Total...		4

Fall Semester II		Credit
ARC-113	Architectural Drafting I	4
MFG-206	Manufacturing Processes I	3
PHY-106	Survey of Physics	4
Take 1 of 2 courses:		
CAD-140	Parametric Solid Modeling	3
EGT-400	PLTW - Introduction to Engineering Design	3
Take WBL-110 as 1 credit:		
WBL-110	Employability Skills	1-3
Semester Total...		15

Spring Semester II		Credit
ARC-129	Residential/Light Commercial Drafting	4
CAD-248	Parametric CAD II	3
CSC-110	Introduction to Computers	3
PHI-105	Introduction to Ethics	3
Semester Total...		13

| Program Total... | | 62 |