

Computer Aided Design Technology - AAS

The Computer Aided Design (CAD) program provides students with the skill 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 in class, helping graduates easily adapt to CAD software once they're working in the field.

In Spring I semester, students have the option of taking MAT-120 **and** 134 together, or MAT-704.

Where will this take me?

Architectural Engineering Technician
CAD Operator
Drafter/Design Technician
Mechanical Engineering Technician
Project Manager

Instructor and Staff

Jonathan Gaddis
Associate Professor
(319) 208-5000 ext. 5258
jgaddis@scciowa.edu
AAS, Southeastern Community College
BA, Iowa Wesleyan College
MBA, St. Ambrose University

Southeastern Community College values diversity in all its forms. Please visit <https://www.scciowa.edu/non-discrimination-statement.aspx> to view our non-discrimination statement.

For more information about our graduation rates, the median debt of students who completed the program, and other important information, please visit SCC's financial aid website at <http://www.scciowa.edu/admissions/costaid/finaid/gainemp.aspx>

West Burlington Campus

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
Take either MAT-120 and MAT-134 or only MAT-704:		
MAT-120	COLLEGE ALGEBRA	3
MAT-134	TRIGONOMETRY AND ANALYTIC GEOMETRY	3
MAT-704	MATH APPLICATIONS	5
Semester Total.....		17-18

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
Take 1 of these courses:		
PHY-106	SURVEY OF PHYSICS	4
PHY-162	COLLEGE PHYSICS I	4
Semester Total.....		16

Fall Semester II		Credit
ARC-113	ARCHITECTURAL DRAFTING I	4
MFG-206	MANUFACTURING PROCESSES I	3
SDV-125	WORKPLACE READINESS	1
Take 1 of these classes:		
CAD-140	PARAMETRIC SOLID MODELING	3
EGT-400	PLTW-INTRODUCTION TO ENGINEERING DESIGN	3
Take 1 of these classes:		
ANI-101	ANIMATION SOFTWARE I	3
CON-270	MECHANICAL SYSTEMS	3
NET-122	COMPUTER HARDWARE BASICS	3
Semester Total.....		14

Spring Semester II		Credit
ARC-129	RESIDENTIAL/LIGHT COMMERCIAL DRAFTING	4
CAD-248	PARAMETRIC CAD II	3
CSC-110	INTRODUCTION TO COMPUTERS	3
Take 1 of these classes:		
ENG-105	COMPOSITION I	3
ENG-110	WRITING FOR THE WORKPLACE	3
Semester Total.....		13
Program Total.....		60-61