SCC | SOUTHEASTERN
COMMUNITY COLLEGE

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

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
MAT-120	COLLEGE ALGEBRA or	3
MAT-134	TRIGONOMETRY AND ANALYTIC GEOMETRY or	3
MAT-704	MATH APPLICATIONS	5

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 or	3
SOC-110	INTRODUCTION TO SOCIOLOGY	3
PHY-106	SURVEY OF PHYSICS or	4
PHY-162	COLLEGE PHYSICS I	4

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

Spring Semester II		Credit
ARC-129	RESIDENTIAL/LIGHT COMMERCIAL DRAFTING	4
CAD-248	PARAMETRIC CAD II	3
CSC-110	INTRODUCTION TO COMPUTERS	3
ENG-105	COMPOSITION I or	3
ENG-110	WRITING FOR THE WORKPLACE	3

Program Total...60-62