

Computer-Aided Drafting & Design—AAS

Computer-Aided Drafting and Design Technicians prepare detailed drawings based on rough sketches, specifications, and calculations made by scientists, engineers, architects, and designers.

ASSOCIATE OF APPLIED SCIENCE COMPUTER-AIDED DRAFTING & DESIGN

Total Program = 60 Credit Hours

The fifth digit in the course number indicates the number of credit hours.

UNIVERSITY REQUIREMENT—1 OR 3 HOURS

University—1 HOUR or 3 HOURS

UNIV 10001 Principles of Academic Success I

UNIV 10003 Principles of Academic Success III

The 3-hour credit course is required for students who must take at least one remedial course. Students who are not required to take a remedial course may take the 3-hour credit course. In both situations, the courses (1-hour or 3-hour) count toward electives.

COMPUTER-AIDED DRAFTING & DESIGN REQUIREMENTS

* These courses have lab hours in addition to lecture hours.

FIRST YEAR

First Semester—16 HOURS

ENGL 10103 Freshman English I

MATH 10103 Technical Mathematics (or higher)

DFTG 12304 Computer-Aided Engineering Graphics*

GEOG 12303 Introduction to GIS*

Select one social science course from the following departments.

HIST

SOCI

PLSC

ECON

PSYC

GEOG

Second Semester—14 HOURS

DFTG 11004 Intermediate Drafting*

DFTG 11104 Introduction to Inventor*

DFTG 16003 Civil Drafting Tech*

Choose one below.

ENGL 10203 Freshman English II

ENGL 20203 Technical Communication

Summer—3 HOURS (Optional)

ETME 29103 Cooperative Work Experience

SECOND YEAR

First Semester—15 HOURS

DFTG 21404 Introduction to Solid Works*

DFTG 21704 Introduction to Fusion
DFTG 21803 Architectural Drafting I*
DFTG 22304 Inventor II*

Second Semester—15 HOURS

DFTG 20003 Structural Drafting I*
DFTG 22004 Advanced AutoCAD
DFTG 22404 Solid Works II*
DFTG 27004 Advanced Revit*

Mechanical Drafting—TC

Technical certificates are available for those students who desire preparation for more immediate entry into the workforce.

**TECHNICAL CERTIFICATE
MECHANICAL DRAFTING**

The fifth digit in the course number indicates the number of credit hours.

Total Program = 24 Credit Hours

* These courses have lab hours in addition to lecture hours.

Fall Semester—13 HOURS

DFTG 12304 Computer-Aided Engineering Graphics*
GEOG 12303 Introduction to GIS
MATH 10103 Technical Mathematics (or higher)
ENGL 10103 Freshman English I

Spring Semester—11 HOURS

ENGL 10203 Freshman English II
DFTG 11004 Intermediate Drafting*
DFTG 11104 Introduction to Inventor*

2-D Mechanical CAD Drafting—CP

**CERTIFICATE OF PROFICIENCY
2-D MECHANICAL CAD DRAFTING**

The fifth digit in the course number indicates the number of credit hours.

Total Program = 8 Credit Hours

* These courses have lab hours in addition to lecture hours.

Requirements

DFTG 11004 Intermediate Drafting*
DFTG 12304 Computer-Aided Engineering Graphics*