

# MANUFACTURING TECHNOLOGIES, SKILLS CERTIFICATE

## CAD Technician

The Drafting and CAD Skills Certificate is designed to provide training and technical job skills to students seeking employment and/or skill upgrades. A drafting technician works with designers and engineers within a variety of industries including manufacturing, architecture, construction and landscaping. The program is competency-based. Students complete a variety of hands-on learning exercises ranging from manually produced drawings to intermediate computerized two dimensional projects.

### Outcomes

Students completing the certificate will:

- Demonstrate academic and practical knowledge of drafting standards and theory as it relates to working with designers and engineers within a variety of industries including manufacturing, architecture and construction.
- Prepare technical drawings and presentations demonstrating understanding of manual and CAD drawings techniques.
- Be eligible to take the ADDA (AD) Apprentice Drafter and/or (CD) Certified Drafter Exams and/or the Autodesk Certified Professional Exam.

Skills Certificates provide training for entry level positions or career advancement and are designed to prepare students to take state, national and/or industry-recognized certifications or licensing exams. Skills certificates are awarded upon completion of coursework and marked on a student's transcripts at the end of the semester (Student are unable to declare intent to complete a skills certificate.) Skills Certificates are not eligible for Financial Aid.

To earn a skills certificate, students must:

1. Maintain a minimum cumulative GPA of 2.0
2. Have no financial or library obligation to the college

Code	Title	Units
<b>Certificate Requirements</b>		
DFT 100	Basic Drafting Principles	3
DFT 110	Print Reading for Industry	3
CADD 100	Introduction to Computer-Aided Drafting	3
CADD 105	Intermediate Computer-Aided Drafting	3
CADD 140	Technical Drafting I	3
CADD 141	Technical Drafting II	3
CADD 142	Technical Drafting III	3
Total Units		21

<b>1st semester</b>		<b>Units</b>
DFT 100	Basic Drafting Principles	3
DFT 110	Print Reading for Industry	3
CADD 100	Introduction to Computer-Aided Drafting	3
Semester Total		9

<b>2nd semester</b>		
CADD 105	Intermediate Computer-Aided Drafting	3
CADD 140	Technical Drafting I	3
CADD 141	Technical Drafting II	3
Semester Total		9
<b>3rd semester</b>		
CADD 142	Technical Drafting III	3
Semester Total		3
Total Units		21