

# Drafting Technology

## Manufacturing Technologies

### Certificate of Achievement

The drafting technology 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 drafted drawings to advanced computerized two and three dimensional wireframe and solid modeling projects.

### Certificate Outcomes

#### Students completing the certificate will:

- Demonstrate a basic knowledge of drafting 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 drawing and CAD techniques.

### General Education Requirements

<b>Communications</b>	<b>3 credits</b>
Recommended: ENG 107	
<b>Human Relations</b>	<b>3 credits</b>
Recommended: CE 201	
<b>Quantitative Reasoning</b>	<b>3 credits</b>
Recommended: Math 120 or higher	
<b>Total General Education Requirements</b>	<b>9 Credits</b>

### Core Requirements

CADD 100	Introduction to Computer-Aided Drafting .....	3
CADD 105	Intermediate Computer-Aided Drafting .....	3
CADD 140	Technical Drafting I .....	3
CADD 210	CADD Project .....	3
DFT 100	Basic Drafting Principles.....	3
DFT 110	Print Reading for Industry .....	3
IS 101	Introduction to Information Systems.....	3

<b>Total Core Requirements</b>	<b>21 Credits</b>
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### Elective Requirements

Choose three credits from remaining CADD or DFT classes.

<b>Total Elective Requirements</b>	<b>3 Credits</b>
<b>Total Certificate Requirements</b>	<b>33 Credits</b>

### Suggested Course Sequence

First Year	Course #	Title	Credits
<b>1st Semester</b>			
Core	CADD 100	Introduction to Computer-Aided Drafting	3
Core	DFT 100	Basic Drafting Principles	3
Core	DFT 110	Print Reading for Industry	3
Core	IS 101	Introduction to Information Systems	3
Quantitative Reasoning	MATH 120	Fundamentals of College Math	3
<b>Total</b>			<b>15</b>
<b>2nd Semester</b>			
Core	CADD 105	Intermediate Computer-Aided Drafting	3
Core	CADD 140	Technical Drafting I	3
Human Relations	CE 201	Workplace Readiness	3
Communications	ENG 107	Technical Communications I	3
<b>Total</b>			<b>12</b>
<b>3rd Semester</b>			
Elective		Choose CADD or DFT course	3
Core	CADD 210	CADD Project	3
<b>Total</b>			<b>6</b>
<b>Certificate Total</b>			<b>33</b>