

# COMPUTER ASSISTED DESIGN AND DRAFTING TECHNOLOGY - LEVEL II CERTIFICATE 30613

Course	Requirement Field	Credits	Notes
<b>Fall - 1st Semester</b>			
DRF 154 Introduction to AutoCAD	Curriculum Required	2 to 3	Fall/Spring offered
MAT 100 Applied Mathematics	Curriculum Required/ GE	4	
AMT 102 Materials for Industry	Curriculum Required	3	Fall Only
DRF 160 Descriptive Geometry	Curriculum Required	3	Fall Only
Drafting Curriculum Related	Curriculum Related	3	
<b>Total Hours</b>		<b>15-16</b>	

\*\* NOTE: Any developmental courses must be taken in addition to the above during this semester as prerequisites for later courses. General Education Courses must be chosen from the approved list.

Course	Requirement Field	Credits	Notes
<b>Spring - 2nd Semester</b>			
DRF 150 Dimensioning and Tolerancing	Curriculum Required	2	Spring only
DRF 170 Residential Architecture	Curriculum Required	2 to 3	Spring only
DRF 271 Advanced AutoCAD	Curriculum Required	2 to 3	Spring only
Drafting Curriculum Related	Curriculum Related	3	Must be from approved list
Drafting Curriculum Related	Curriculum Related	3	Must be from approved list
Drafting Curriculum Related	Curriculum Related	2	Must be from approved list
<b>Total Hours</b>		<b>14-16</b>	

<b>Total Hours</b>	30
Total Curriculum Requirements	19-25
Total Related Curriculum	5-11

**Notes:** The foregoing is a recommended, or suggested, sequence of courses. Of course, if a student enters the program in the spring, or transfers credit in, the above would have to be modified.

**All courses must be completed with a grade of "C" or better--Be sure to check the catalog for other changes and requirements.**

## Curriculum Requirements

AMT 102 Materials for Industry	3 credits
DRF 150 Dimensioning and Tolerancing	2 credit
DRF 154 Introduction to AutoCAD	2 to 3 credits
DRF 160 Descriptive Geometry	3 credits
DRF 170 Residential Architecture	2 to 3 credits
DRF 271 Advanced AutoCAD	2 to 3 credits
MAT 100 Applied Mathematics or higher	3 to 5 credits

Select one of the following options:

Option 1:	
AMT 101 Fundamentals of Machining	2 credits
Option 2:	
EGR 250 Plane Surveying OR	
WLD 101 Welding	3 credits

## Total Curriculum Required 19 to 25 credits

In addition to the required courses above, select from the following Curriculum Related courses to complete a total of 30 curriculum credits:

AMT 104 Machining and Fabrication	3 credits
AMT 110 Introduction to Fab Lab Technology	2 credits
AMT 140 Intro to CNC Programming OR	
AMT 240 Advanced Manufacturing Production Process	3 credits
DRF 220 Parametric Solid Modeling	3 credits
DRF 230 Civil Drafting	3 credits
DRF 232 Structural Drafting	2 to 3 credits
DRF 262 Commercial Architecture	2 to 3 credits
EGR 250 Plane Surveying	3 credits
TEC 133 Safety Practices for Industry	1 credit

## Total Minimum Certificate Requirements 30 credits