

Computer Assisted Design and Drafting Technology Degree – 20603

Recommended Course Sequencing

Course	Requirement Filled	Cr	Notes
Fall - 1st Semester			
DRF 154 Intro to AutoCAD	Curriculum Required	3	Fall/Spring offered
MAT 100 Applied Mathematics or higher	General Education - Math	3-5	
Drafting Curriculum Related	Curriculum Related	3	Must be from approved list
AMT 102 Materials for Industry	Curriculum Required	3	Fall only
General Education	General Education	3	
Total Hours		15-17	

** 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.

Spring - 2nd Semester

DRF 170 Residential Architecture	Curriculum Required	3	Spring only
DRF 150 Dimensioning and Tolerancing	Curriculum Required	2	Spring only
ENG 100 Writing Fundamentals OR ENG 101 Written Communications I	General Education - English	3	Fall/Spring offered
DRF 271 Advanced AutoCAD	Curriculum Required	3	Spring only
DRF 220 Parametric Solid Modeling	Curriculum Required	3	Spring only
Drafting Curriculum Related	Curriculum Related	3	Must be from approved list
Total Hours		17	

Fall - 3rd Semester

DRF 160 Descriptive Geometry	Curriculum Required	3	Fall only
DRF 230 Civil Drafting	Curriculum Required	3	Fall only
CAM 100 Introduction to Machining Processes	Curriculum Required	3	Fall only
Elective	Elective	3	
General Education	General Education	3	
Elective	Elective	2	
Total Hours		16	

Spring - 4th Semester

DRF 232 Structural Drafting	Curriculum Required	3	Spring only
BUA 259 Business Communications OR ENG 102 Written Communications II	General Education - English	3	Fall/Spring offered
DRF 290 Drafting Capstone Project	Curriculum Required	3	Spring only
Elective	Elective	3	
DRF 282 Advanced Architecture	Curriculum Required	3	Spring only
Total Hours		15	

Total Hours	60
Total Curriculum Required	34
Total Curriculum Related	6
Total General Education	15
Total Electives	5

Notes: ¹The 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 101 Fundamentals of Machining OR	
CAM 100 Introduction to Machining Processes	3 credits
AMT 102 Materials for Industry	3 credits
DRF 150 Dimensioning and Tolerancing	2 credits
DRF 154 Introduction to AutoCAD	3 credits
DRF 160 Descriptive Geometry	3 credits
DRF 170 Residential Architecture	3 credits
DRF 220 Parametric Solid Modeling	3 credits
DRF 230 Civil Drafting	3 credits
DRF 232 Structural Drafting	3 credits
DRF 271 Advanced AutoCAD	3 credits
DRF 282 Advanced Architecture	3 credits
DRF 290 Drafting Capstone Project	3 credits

In addition to the required courses above, select from the following Curriculum Related courses to complete a total of 40 curriculum credits

Curriculum Related

AMT 104 Machining and Fabrication	3 credits
AMT 110 Introduction to Fab Lab Technology	2 credits
AMT 111 Fab Lab Workshop I	1 to 3 credits
AMT 211 Fab Lab Workshop II	1 to 3 credits
AMT 220 Advanced Manufacturing Methods	4 credits
CAM 140 Intro to CNC Programming	3 credits
CAM 240 Advanced Manufacturing Production Processes	3 credits
CAM 210 Additive Manufacturing	3 credits
DRF 235 Geographic Information Systems I	2 credits
DRF 236 Geographic Information Systems II	3 credits
DRF 262 Commercial Architecture	3 credits
DRF 299 Independent Study	1 to 3 credits
EGR 102 Introduction to Engineering	4 credits
EGR 214 Engineering Mechanics I - Statics	3 credits
EGR 215 Engineering Mechanics II - Dynamics	3 credits
EGR 233 Mechanics of Materials	3 credits
EGR 250 Plane Surveying	3 credits
WLD 101 Welding	3 credits

Total of 40 Curriculum Credits

English Requirement

ENG 100 Writing Fundamentals OR	
ENG 101 Written Communications I	3 credits
BUA 259 Business Communications OR	
ENG 102 Written Communications II	3 credits

Mathematics Requirement

MAT 100 Applied Mathematics or higher	3 to 5 credits
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Total GE Requirements 15 credits

Total Electives 5 credits