



Computer Assisted Design and Drafting Technology Degree – 20603
Recommended Course Sequencing – 2020-2021

Course	Requirement Filled	Cr	Notes
Fall - 1st Semester			
DRF 154 Intro to AutoCAD	Curriculum Required	2-3	Fall/Spring offered
MAT 100 Applied Mathematics or higher	General Education - Math	3-5	
Drafting Elective	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		14-17	

** 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	1	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	2-3	Spring only
DRF 220 Parametric Solid Modeling	Curriculum Required	3	Spring only
General Ed. Requirement	General Education	3	
Total Hours		15-16	

Fall - 3rd Semester			
DRF 160 Descriptive Geometry	Curriculum Required	3	Fall only
DRF 230 Civil Drafting	Curriculum Required	3	Fall only
AMT 104 Machining and Fabrication OR AMT 101 Fundamentals of Machining AND EGR 250 Plane Surveying OR WLD 101 Welding	Curriculum Required	4-6	AMT 104 Spring only AMT 101 Fall only. WLD 101 Fall and Spring EGR 250 Spring only
Elective	Elective	4	Students may choose from the curriculum related courses to fulfill this elective requirement or GE courses if transferring to a University
General Education	General Education	3	
Total Hours		17-19	

Spring - 4th Semester			
DRF 232 Structural Drafting	Curriculum Required	2	Spring only
BUA 259 Business Communications	Curriculum Required	3	Fall/Spring offered
TEC 260 Technical Report Writing OR ENG 102 Written Communications II	General Education - English	3	Fall/Spring offered
DRF 290 Drafting Capstone Project	Curriculum Required	2	Spring only
Drafting Elective	Curriculum Related	4	Must be from approved list
Total Hours		14	

Total Hours	60
Total Curriculum Required	31
Total Curriculum Related	7

Total General Education	18
Total Electives	4

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.

English Requirement

ENG 100 Writing Fundamentals OR ENG 101 Written Communications I	3 credits
TEC 260 Technical Report Writing OR ENG 102 Written Communications II	3 credits
Total English Requirements	6 credits

Mathematics Options

MAT 100 Applied Mathematics or higher	4 credits
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Curriculum Related

AMT 110 Intro 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
AMT 240 Advanced Manufacturing and Production Processes	3 credits
ART 101 Fundamentals of Design	3 credits
AUT 105 Automotive Electrical Fundamentals	2 credits
CMP 113 Operating Systems I	3 credits
CMP 121 Visual Basic Programming I	3 credits
CMP 130 C Programming I	3 credits
CMP 151 Information Technology Essentials	3 credits
COE 111 Cooperative Education I (Occupational)	1 to 4 credits
DRF 235 Arc Geographic Information Systems I	2 credits
DRF 236 Arc Geographic Information Systems II	3 credits
DRF 262 Commercial Architecture	2 to 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
IAR 101 Woodworking	2 to 3 credits
IAR 120 Machine Woodworking	2 to 3 credits
MSP 260 Pattern Making and Foundry	2 credits
TEC 133 Safety Practices for Industry	1 credit
THC 231 Stagecraft	3 credits
THC 236 Introduction to Scene Design	3 credits
WLD 108 Welding and Metal Fabrication	3 credits

Total Curriculum Requirements 40 credits with a GPA of 2.00 or higher