

Computer Assisted Design and Drafting Technology
Level II Certificate of Proficiency – 30613
 Recommended Course Sequencing

| Course | Requirement Filled | Credits | Notes |
|---|---------------------|----------|----------------------------|
| Fall - 1st Semester | | | |
| DRF 154 Intro to AutoCAD | Curriculum Required | 3 | Fall/Spring offered |
| MAT 100 Applied Mathematics or higher | GE | 3 to 5 | |
| CAM 100 Introduction to Machining Processes | Curriculum Related | 3 | Fall only |
| DRF 160 Descriptive Geometry | Curriculum Required | 3 | Fall only |
| Drafting Curriculum Related | Curriculum Related | 3 | Must be from approved list |
| Total Hours | | 15 to 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 150 Dimensioning and Tolerancing | Curriculum Required | 2 | Spring only |
| DRF 170 Residential Architecture | Curriculum Required | 3 | Spring only |
| DRF 271 Advanced AutoCAD | Curriculum Required | 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 |
| Total Hours | | 16 | |

| | |
|---------------------------|-------|
| Total Hours | 30 |
| Total Curriculum Required | 19-21 |
| Total Curriculum Related | 9-11 |

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

Total Curriculum Required 19 to 21 credits

In addition to the required courses above, select from the following Curriculum

Related courses to complete a total of 30 curriculum credits:

| | |
|--|-----------|
| AMT 102 Materials of Industry | 3 credits |
| AMT 104 Machining and Fabrication | 3 credits |
| AMT 110 Introduction to Fab Lab Technology | 2 credits |
| AMT 140 Intro to CNC Programming | 3 credits |
| AMT 240 Adv Manufacturing Production | 3 credits |
| DRF 210 Additive Manufacturing | 3 credits |
| DRF 220 Parametric Solid Modeling | 3 credits |
| DRF 230 Civil Drafting | 3 credits |
| DRF 232 Structural Drafting | 3 credits |
| DRF 262 Commercial Architecture | 3 credits |

| | |
|---|-------------------|
| DRF 282 Advanced Architecture | 3 credits |
| EGR 250 Plane Surveying | 3 credits |
| Total Minimum Certificate Requirements | 30 credits |