

## DT12: Drafting Technology Diploma (replaces DR02: Drafting Technology in the Quarter System)

The Drafting Technology diploma program prepares students for employment in a variety of positions in the drafting field, such as drafter, CAD operator or Civil Tech based on the specialization area a student chooses to complete. The program provides learning opportunities which introduce, develop, and reinforce academic and technical knowledge, skills and attitudes required for job acquisition, retention, and advancement. Additionally, the program provides opportunities to upgrade present knowledge and skills or retrain in drafting practices and software.

### **Career Opportunities**

Graduates may find employment as drafters or in various other occupations in the drafting/AutoCAD field.

### **Credit Required for Graduation: Minimum of 50 credit hours**

#### **Curriculum**

|       | <b>Program Course</b>  | <b>Credits</b> |
|-------|--|----------------|
|       | <i>Basic Skills Courses</i>  |                |
| _____ | EMPL 1000      Interpersonal Relations and Professional Development              | 2              |
| _____ | ENGL 1010      Fundamentals of English I   | 3              |
| _____ | MATH 1013      Algebraic Concepts  | 3              |
| _____ | MATH 1015      Geometry and Trigonometry   | 3              |
|       | <i>Occupational Courses</i>  |                |
| _____ | COMP 1000      Introduction to Computers   | 3              |
| _____ | DFTG 1101      CAD Fundamentals  | 4              |
| _____ | DFTG 1103      Technical Drawing I   | 4              |
|       | <b>-and-</b>   |                |
|       | <b>Choose one of the following specializations</b>                               |                |
|       | <i>Specific Occupational Courses (<b>Mechanical Drafting Specialization</b>)</i> |                |
| _____ | DFTG 1105      3D Mechanical Modeling  | 4              |
| _____ | DFTG 1107      Technical Drawing II  | 3              |
| _____ | DFTG 1109      Technical Drawing III   | 4              |
| _____ | DFTG 1111      Technical Drawing IV  | 4              |
| _____ | DFTG 1113      Technical Drawing V   | 4              |
|       | <i>Occupational Electives (9 credits from the list below)</i>                    |                |
| _____ | DFTG 1127      Architectural 3D Modeling   | 4              |
| _____ | DFTG 2030      Advanced 3D Modeling Architectural                                | 4              |
| _____ | DFTG 2110      Blueprint Reading for Technical Drawing I                         | 2              |

|       |   |  |   |
|-------|---|--|---|
| _____ | <i>(continued)</i>  |  |   |
| _____ | DFTG 2120   | Print Reading for Architecture             | 3 |
| _____ | DFTG 2210   | Blueprint Reading for Technical Drawing II | 2 |
| _____ | DFTG 2500   | Drafting Technology Exit Review            | 3 |
|       | <i>Specific Occupational Courses (<b>Architectural Drafting Specialization</b>)</i> |  |   |
| _____ | DFTG 1125   | Architectural Fundamentals                 | 4 |
| _____ | DFTG 1127   | Architectural 3D Modeling                  | 4 |
| _____ | DFTG 1129   | Residential Drawing I                      | 4 |
| _____ | DFTG 1131   | Residential Drawing II                     | 4 |
| _____ | DFTG 1133   | Commercial Drawing I                       | 4 |
|       | <i>Occupational Electives (select 8 credits from the list below)</i>                |  |   |
| _____ | DFTG 2030   | Advanced 3D Modeling Architectural         | 4 |
| _____ | DFTG 2110   | Blueprint Reading for Technical Drawing I  | 2 |
| _____ | DFTG 2120   | Print Reading for Architecture             | 3 |
| _____ | DFTG 2210   | Blueprint Reading for Technical Drawing II | 2 |
| _____ | DFTG 2500   | Drafting Technology Exit Review            | 3 |