

## AutoCAD Operator (BP/EP) Advanced Technical Certificate

### Semester Sequence

Offered at Brooklyn Park and Eden Prairie

#### First Semester

|          |                             |   |
|----------|-----------------------------|---|
| ENGC1100 | AutoCAD for Engineering     | 4 |
|          | Technical Studies Electives | 3 |

**Total Credits 7**

#### Second Semester

|          |                            |   |
|----------|----------------------------|---|
| ENGC1021 | Working Drawings           | 3 |
| ENGC1160 | Inventor                   | 4 |
| ENGC2075 | Engineering Design Project | 3 |

**Total Credits 10**

### Technical Studies Electives

Recommended:

|          |   |       |
|----------|---|-------|
| ENGC1011 | Engineering Drawing                         | 3     |
| ENGC1041 | Geometric Dimensioning and Tolerancing      | 3     |
| ENGC1050 | Additive Manufacturing                      | 3     |
| ENGC1060 | Design for Additive Manufacturing           | 3     |
| ENGC1070 | Additive Manufacturing Finishing Techniques | 3     |
| ENGC1201 | Industrial CAD Project                      | 3     |
| ENGC1250 | SOLIDWORKS I                                | 4     |
| ENGC1255 | SOLIDWORKS II                               | 4     |
| ENGC1900 | Specialized Lab                             | 1 - 4 |
| ENGC2001 | Mechanical Design                           | 3     |
| ENGC2100 | Basic Creo Parametric                       | 4     |
| ENGC2110 | Advanced Creo Parametric                    | 4     |
| MACH2410 | CAD/CAM                                     | 3     |
| METS1000 | Computers in Manufacturing                  | 3     |
| METS1020 | Industrial Manufacturing Processes          | 3     |

**Choose a Total of: 3 Credits**

### Graduation (17 Credits)

**Prerequisite:** Graduation from or concurrent enrollment in a 2 year engineering CAD or machining program or a minimum of 2 years of related work experience.

Semester listings reflect the recommended sequence. Due to circumstances beyond our control, the information herein is subject to change without notice.

2/26/2024 : BP 4108 / EP 4109