

# CERTIFICATE OF ACHIEVEMENT



# Engineering Design Technology: CAD Specialist

This Certificate of Achievement provides a focused course of study for students in preparation for careers in the field of computer-aided design (CAD). Emphasis is placed on the use of CAD software to complete projects in engineering, manufacturing, or related fields. Coursework involves the preparation of CAD projects and 3D models accomplished within a design environment as experienced in higher levels of engineering education, and as is common in workplace conditions.

To acquire the **Certificate of Achievement in Engineering Design Technology: CAD Specialist**, it is necessary to complete the following courses:

| Required Courses   |  | Units     | N | IP | C |
|--|--|-----------|---|----|---|
| <b>ENGT 150</b> AutoCAD for Basic CADD Applications<br>or<br><b>ENGT 170</b> MicroStation for Basic CADD Applications  |  | 4         |   |    |   |
| <b>ENGT 250</b> Introduction to Parametric Modeling 3D Applications for Mechanical Design  |  | 4         |   |    |   |
| <b>ENGT 200</b> *Intermediate CAD Modeling for Design & Production   |  | 4         |   |    |   |
| <b>ENGT 270</b> *Advanced 3D Parametric Modeling and Prototype Applications<br>or<br><b>ENGT 280</b> *Advanced MicroStation for CADD & BIM Applications (Same as ARCH 280) |  | 4         |   |    |   |
| <b>Total units needed for Certificate of Achievement</b>   |  | <b>16</b> |   |    |   |
| Units Completed  |  |           |   |    |   |