



# Computer-Aided Drafting

Emphasis: Computer-Aided Drafting

Degree: Certificate of Completion

## Purpose:

The Certificate of Completion in CAD is specifically designed for individuals who are currently in a technical profession and who desire to upgrade their skills in computer-aided drafting technology. Upon successful completion, the individual should have developed solid technical skill with CAD in their current profession.

Program Outcomes - Students who successfully complete this program should be able to:

- A. Import and edit survey points
- B. Create a surface.
- C. Utilize paper space, model space and multiple viewports.
- D. Create and label contours.
- E. Calculate cut and fill items.
- F. Create blocks, attributes and reports
- G. Create simple 3D wire frame and 3D solid models
- H. Utilize dimension commands

## Learning Themes:

General education outcomes at Centralia College help students, faculty, and the general public identify what learning is expected when a student has completed a degree or program. The administration, faculty, and staff have agreed upon the following five Learning Ability Themes which students can expect to encounter in most courses and by the completion of any degree or program.

## Reasoning:

The ability to extract information from data, develop ideas and solutions, establish logical progression in thinking, and problem solve using such procedures as literary analysis or the scientific methods.

## Written, Oral and Visual Communication:

The ability to make oneself understood in public, interpersonal, professional, artistic, and technical arenas.

## Exploration-Self and Others:

An awareness of the values, beliefs, customs, and contributions of persons from one's own and other traditions, ethnicities, classes, and genders.

## Resourcefulness:

The ability to adapt to change, such as technological innovations or environmental conditions.

## Responsibility:

The ability to be accountable to self, society, and the natural world.

### Estimated Quarterly Program Costs (subject to change without notice)

Tests: ASSET/COMPASS	\$15
Resident Tuition (15 credits) and fixed fees*:	\$1427
US Citizen Nonresident Tuition (15 credits) and fixed fees*:	\$1576
Non US Citizen Nonresident Tuition (15 credits) and fixed fees*:	\$3381
*Tuition is subject to change due to State Legislative actions	
Books and supplies (estimate):	\$427
Lab fees:	Refer to quarterly class schedule.

*Centralia College provides equal opportunity in education and does not discriminate on the basis of race, gender, color, religion, national origin, age, marital status, sexual orientation, or disability.*