

# AUTOCAD FOUNDATIONS, COLLEGE CREDIT CERTIFICATE

**Program Code:** AFCC

**Meta-Major:** INMC

**Location(s):** Cocoa, Melbourne

**Delivery Method(s):** On-Campus, Hybrid

**Previous Degree Required:** HS Diploma

**Eligible for Financial Aid:** No

**Additional Limited Access Application Process Required:** No

**Program Testing Requirements:**

**Classification of Instructional Programs (CIP) Code:** 15.1302

**Florida Department of Education CIP Code:** 0615130204

This certificate is part of the [Drafting and Design Technology A.S.](#) program.

This certificate program teaches the skills needed to operate the hardware and software involving Computer Aided Drafting (CAD). Some of the topics covered include an emphasis on the 3D environment, wire frame and solids modeling, and land development drawings utilizing CAD. Credits earned in this certificate also apply to the [Associate in Science \(A.S.\) degree in Drafting and Design Technology](#). [Visit the program page for more details and how to apply.](#)

Refer to [course descriptions](#) to determine prerequisites.

## Certificate Requirements

| Code                      | Title                      | Credit Hours |
|---------------------------|----------------------------|--------------|
| <b>Major Courses</b>      |                            |              |
| CGS 2100                  | Microcomputer Applications | 3            |
| ETDC 1150                 | Blueprint Reading          | 3            |
| ETDC 2320                 | AutoCAD Fundamentals       | 4            |
| ETDC 2340                 | Advanced AutoCAD           | 4            |
| <b>Total Credit Hours</b> |                            | <b>14</b>    |

| Course                    | Title                      | Credit Hours |
|---------------------------|----------------------------|--------------|
| <b>Year 1</b>             |                            |              |
| <b>Term 1</b>             |                            |              |
| ETDC 1150                 | Blueprint Reading          | 3            |
| ETDC 2320                 | AutoCAD Fundamentals       | 4            |
| <b>Credit Hours</b>       |                            | <b>7</b>     |
| <b>Term 2</b>             |                            |              |
| CGS 2100                  | Microcomputer Applications | 3            |
| ETDC 2340                 | Advanced AutoCAD           | 4            |
| <b>Credit Hours</b>       |                            | <b>7</b>     |
| <b>Total Credit Hours</b> |                            | <b>14</b>    |

## Learning Outcomes: AutoCAD Foundations, College Credit Certificate

- Infer fabrication techniques from engineering blueprint annotations.
  - Core Ability Supported: Think Critically and Solve Problems*
- Prepare multi-views, section views, isometric, auxiliary views, and scaling.
  - Core Ability Supported: Think Critically and Solve Problems*