Course Information Form (CIF)

Course Code: EST 110
Course Title: CAD Work Experience

Department: Applied Sciences and Technologies
PCS Code: 1.2 - Occupational/Technical Instruction
CIP Code: 15.9998
Repeatability: 0

Effective Date: Summer 2026

Credit Hours

Catalog Notation: 0-10-1
Credit Hour Distribution:

Lecture: 0	Lab: 10	Clinical: 0	**Total: 1**

General Course Information

Catalog Description

On an independent study basis, complete a Computer Aided Drafting (CAD) project under the direction of a volunteer supervisor in the fields of architecture, engineering, or land surveying.

General Course Objectives

The student will apply recently developed computer-aided drafting skills to complete a comprehensive project assigned by a volunteer supervisor. The student will receive guidance and feedback from the volunteer supervisor appropriate for the workplace.

Minimum Placement Levels

English	Reading	Math
None	None	None

Prerequisites

Credit or concurrent enrollment in CAD 132, CAD 214, and CAD 232
Approval of program director or department chair

Methods of Evaluation

Record of hours worked, 1 supervisor evaluation of student, 1 student evaluation of course, and 1 final submission of completed work.

Instructional Materials and Additional Supplies

None.

Course Content

General Learning Outcomes (GLOs)

- Technology: Students will demonstrate the ability to evaluate, select, and appropriately use current and emerging tools.

Course Segments and Student Learning Outcomes

Course Segment	Learning Outcomes	Lecture Hours	Lab Hours	Clinical Hours
Practical CAD project using AutoCAD, Revit, Microstation, or Open Roads software applications	1. Complete a comprehensive set of drawings in the fields of architecture, engineering, or land surveying. 2. Apply instructions and feedback from volunteer supervisor to achieve project goals.	0	150	0

Total Contact Hours

Lecture Hours	Lab Hours	Clinical Hours
0	150	0