

# STEM 699DH: COOPERATIVE EDUCATION IN STEM

## Citrus College Course Outline of Record

Heading	Value
Effective Term:	Fall 2023
Credits:	4
Lab Hours:	0
Hours Arranged:	300
Prerequisite:	Instructor permission; student must be eligible for the Citrus College Honors Program or obtain a recommendation from an Honors instructor.
Strongly Recommended:	ENGL 101.
Transferable to CSU:	Yes
Transferable to UC:	No
Grading Method:	Standard Letter, Pass/No Pass

## Catalog Course Description

A course designed to assist students in planning and accomplishing meaningful learning objectives related to a STEM discipline during an internship or paid work experience. Credit may be accrued at the rate of 1 to 6 units per semester for a maximum of 16 units. Students must work 75 paid hours or 60 non-paid hours per unit earned. 300 lab hours arranged.

## Course Objectives

- Provide example(s) of how discipline-specific knowledge is applied in a work setting.
- Demonstrate one or more discipline-specific skills acquired or improved during the experience.
- List one or more career opportunities available in the discipline, and describe the duties and responsibilities of each position.
- Prepare a technical report, poster, and/or oral presentation regarding learning outcomes using discipline-specific terminology.

## Major Course Content

N/A Student will arrange for hours at a work site.

## Lab Content

N/A Student will arrange for hours at a work site.

## Hours Arranged Content

The specific content and methods of study may vary depending on the particular STEM discipline, but the following are common content areas:

1. Participate in student orientation
2. Read discipline-specific publication(s) in preparation for training site experience
3. Develop resume and job search skills
4. Participate in training-site learning setting
5. Create formal presentation or paper to describe training-site activities and outcomes

6. Communicate with working professionals to understand career pathways

## Suggested Reading Other Than Required Textbook

Discipline-specific publications (primary publications and relevant review papers)

## Examples of Required Writing Assignments

Students will be required to provide a written summary, report, or poster to communicate learning outcomes of training-site experience. An oral presentation given using discipline-specific terminology may also be used for the communication component.

## Examples of Outside Assignments

Students will be required to complete the following types of assignments: complete minimum hours of work, participate in training-site activities, and communicate with training-site colleagues in a professional manner. Students will be able to identify how discipline-specific concepts are applied to real-world projects. Student will be required to complete 60 hours of volunteer or 75 hours of paid work experience per credit.

## Instruction Type(s)

Lab