

## CHEM50 : Chemistry Internship

### General Information

Author:	<ul style="list-style-type: none"><li>Corey Jamieson</li></ul>
Course Code (CB01) :	CHEM50
Course Title (CB02) :	Chemistry Internship
Department:	CHEM
Proposal Start:	Winter 2025
TOP Code (CB03) :	(1905.00) Chemistry, General
CIP Code:	(40.0501) Chemistry, General.
SAM Code (CB09) :	Non-Occupational
Distance Education Approved:	No
Will this course be taught asynchronously?:	No
Course Control Number (CB00) :	CCC000583856
Curriculum Committee Approval Date:	03/27/2024
Board of Trustees Approval Date:	06/18/2024
Last Cyclical Review Date:	03/27/2024
Course Description and Course Note:	CHEM 50 is a discipline-specific course which allows students to earn from 1-3 units for structured, supervised work on-campus or off-campus in the field of chemistry under the supervision of a faculty advisor. It is designed to provide students with hands-on, discipline-linked work experience that will extend their knowledge and understanding of career demands in chemistry. Note: This course is Pass/No Pass only. Note: This course may be taken four times; a maximum of 12 units may be earned. Students must arrange an approved internship prior to enrolling in this class.
Justification:	Mandatory Revision
Academic Career:	<ul style="list-style-type: none"><li>Credit</li></ul>
Author:	No value

### Academic Senate Discipline

Primary Discipline:	<ul style="list-style-type: none"><li>Chemistry</li></ul>
Alternate Discipline:	No value
Alternate Discipline:	No value

### Course Development

#### Basic Skill Status (CB08)

Course is not a basic skills course.

Allow Students to Gain Credit by Exam/Challenge

#### Course Special Class Status (CB13)

Course is not a special class.

#### Pre-Collegiate Level (CB21)

Not applicable.

#### Grading Basis

- Grade with Pass / No-Pass Option

#### Course Support Course Status (CB26)

Course is not a support course

## Transferability & Gen. Ed. Options

### General Education Status (CB25)

Not Applicable

### Transferability

Transferable to CSU only

### Transferability Status

Approved

## Units and Hours

### Summary

<b>Minimum Credit Units (CB07)</b>	1
<b>Maximum Credit Units (CB06)</b>	3
<b>Total Course In-Class (Contact) Hours</b>	54 - 162
<b>Total Course Out-of-Class Hours</b>	0 - 0
<b>Total Student Learning Hours</b>	54 - 162

### Credit / Non-Credit Options

#### Course Type (CB04)

Credit - Degree Applicable

#### Noncredit Course Category (CB22)

Credit Course.

#### Noncredit Special Characteristics

No Value

#### Course Classification Code (CB11)

Credit Course.

Variable Credit Course

#### Funding Agency Category (CB23)

Not Applicable.

Cooperative Work Experience  
 Education Status (CB10)

### Weekly Student Hours

	In Class	Out of Class
Lecture Hours	0	0
Laboratory Hours	3 - 9	0
Studio Hours	0	0

### Course Student Hours

<b>Course Duration (Weeks)</b>	18
<b>Hours per unit divisor</b>	54
<b>Course In-Class (Contact) Hours</b>	
Lecture	0
Laboratory	54 - 162
Studio	0
<b>Total</b>	54 - 162
<b>Course Out-of-Class Hours</b>	
Lecture	0
Laboratory	0
Studio	0
<b>Total</b>	0

## Time Commitment Notes for Students

No value

## Units and Hours - Weekly Specialty Hours

Activity Name	Type	In Class	Out of Class
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No Value	No Value	No Value	No Value
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## Pre-requisites, Co-requisites, Anti-requisites and Advisories

### Prerequisite

Enrollment in appropriate discipline-specific theory or lab course at GCC.

### AND

### Advisory

ENGL101 - Introduction to College Reading and Composition

#### Objectives

- Read, analyze, and evaluate a variety of primarily non-fiction readings for content, context, and rhetorical merit with consideration of tone, audience, and purpose.
- Apply a variety of rhetorical strategies in writing unified, well-organized essays directed by a well-reasoned thesis statement with persuasive support.
- Develop varied and flexible strategies for generating, drafting, and revising essays.
- Write timed, in-class essays exhibiting acceptable college-level control of mechanics, organization, development, and coherence.
- Integrate the ideas of others through paraphrasing, summarizing, and quoting without plagiarism.
- Find, evaluate, analyze, and interpret primary and secondary sources, incorporating them into written essays using appropriate documentation format.
- Proofread and edit essays for presentation so they exhibit no disruptive errors in English grammar, usage, or punctuation.

### OR

### Advisory

ESL151 - Reading And Composition V

#### Objectives

- Read and critically analyze various academic readings.
- Summarize readings.
- Organize fully-developed essays in both expository and argumentative modes.
- Compose a 500 to 550-word essay which: summarizes and cites appropriately a reading passage; includes a clear thesis statement; uses evidence to support the thesis; shows clear organization into an introduction, body, and conclusion.
- Revise writing to eliminate errors in syntax, and grammatical constructions.
- Employ basic library research techniques.
- Compose one research paper (1,000 words) or two short research papers (500-700 words each) with citations.

## Entry Standards

Entry Standards

## Course Limitations

Cross Listed or Equivalent Course

## Specifications

### Methods of Instruction

Methods of Instruction                      Lecture

Methods of Instruction                      Field Activites (Trips)

Methods of Instruction                      Multimedia

Methods of Instruction                      Discussion

Methods of Instruction                      Demonstrations

### Out of Class Assignments

- Journal (e.g. documentation of duties performed)
- Written assignments (e.g. research of industry-specific educational requirements)
- Final resume
- Final project (e.g. professional portfolio)

### Methods of Evaluation

### Rationale

Other                      Internship facility supervisor's evaluation of student  
Report                      Reports (e.g. weekly reports of reflections on internship experiences)  
Report                      Student self-evaluation (e.g. self-assessment of internship performance)

### Textbook Rationale

No required textbooks. Faculty advisor and staff at the host institution may assign readings from discipline-specific sources.

### Textbooks

Author	Title	Publisher	Date	ISBN
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No Value	No Value	No Value	No Value	No Value
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### Other Instructional Materials (i.e. OER, handouts)

No Value

### Materials Fee

No value

## Learning Outcomes and Objectives

### Course Objectives

Recognize the professional and educational minimum qualifications for employment and advancement within the target career/discipline.

Demonstrate effective professional practices and soft skills of a specific career/discipline.

Demonstrate basic occupational competencies (knowledge, skills and abilities) required for employment in the target career/discipline.

Analyze personal performance of specific skills related to the target career/discipline.

Compose a resumé.

### SLOs

**Demonstrate basic occupational competencies required for employment in the target career/discipline.** Expected Outcome Performance: 70.0

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<i>ILOs</i>	Analyze and solve problems using critical, logical, and creative thinking; ask questions, pursue a line of inquiry, and derive conclusions;
Core ILOs	cultivate creativity that leads to innovative ideas.

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Demonstrate depth of knowledge in a course, discipline, or vocation by applying practical knowledge, skills, abilities, theories, or methodologies to solve unique problems.

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<i>CHEM</i>	compare and contrast the general chemistry performance exam taken at Glendale Community College with the national performance
Chemistry	norm, reported by the American Chemical Society.

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## Additional SLO Information

**Does this proposal include revisions that might improve student attainment of course learning outcomes?**

No Value

**Is this proposal submitted in response to learning outcomes assessment data?**

No Value

**If yes was selected in either of the above questions for learning outcomes, explain and attach evidence of discussions about learning outcomes.**

No Value

### **SLO Evidence**

No Value

## **Course Content**

### **Lecture Content**

No value

### **Laboratory/Studio Content**

#### **Internship (54-162 hours TBA)**

- On-the-job shadowing of current employees
- Information gathering of current chemical industry needs
- Presenting the findings in seminar and conferences
- Attending field-related seminars and conferences
- Learning the modern instrumentation and standards of operation in the chemical field of interest.

**Total Hours: 54-162**

## **Additional Information**

Is this course proposed for GCC Major or General Education Graduation requirement? If yes, indicate which requirement in the two areas provided below.

No

### **GCC Major Requirements**

No Value

### **GCC General Education Graduation Requirements**

No Value

### **Repeatability**

Not Repeatable

Justification (if repeatable was chosen above)

No Value

## **Resources**

Did you contact your departmental library liaison?

No

If yes, who is your departmental library liason?

No Value

**Did you contact the DEIA liaison?**

No

**Were there any DEIA changes made to this outline?**

No

**If yes, in what areas were these changes made:**

No Value

**Will any additional resources be needed for this course? (Click all that apply)**

- No

**If additional resources are needed, add a brief description and cost in the box provided.**

No Value