

# Course Change Request

Date Submitted: 02/04/26 10:17 am

## Viewing: **CHEM 212 : General Chemistry II**

Transfer Course(s): CHEM U212

Last approved: 04/23/25 6:16 am

Last edit: 02/04/26 10:17 am

Changes proposed by: msikowit

Catalog Pages  
referencing this  
course

[Applied Computer Science, BS](#)

[Bioengineering, BS](#)

Select modification type:

Substantial

Simple

Are you completing this form on someone else's behalf?

No

Effective Term: Summer 2026

Subject Code: CHEM - Chemistry

Course Number: 212

Bundled Courses:

Is this course replacing another course? No

Equivalent Courses: CHEM 202 - Introductory Chemistry II

## In Workflow

1. SC Academic Affairs
2. Registrar-Courses
3. Banner

## History

1. Aug 29, 2017 by pchampan
2. Mar 17, 2018 by Gerald Weatherspoon (grobert1)
3. May 15, 2020 by Tory Sarro (vsarro)
4. Oct 1, 2021 by Jennifer Bazaz Gettys (jbazaz)
5. May 21, 2024 by Tory Sarro (vsarro)
6. Apr 23, 2025 by Jessica Callus (jcallus)

**Catalog Title:** General Chemistry II

**Banner Title:** General Chemistry II

**Will section titles vary by semester?** No

**Credits:** 3

**Schedule Type:** Lecture

**Hours of Lecture or Seminar per week:** 3

**Repeatable:** May be only taken once for credit, limited to 3 attempts (N3) **Max Allowable Credits:** 9

**Default Grade Mode:** Undergraduate Regular

**Recommended Prerequisite(s):**

**Recommended Corequisite(s):**

CHEM 214

**Required Prerequisite(s) / Corequisite(s) (Updates only):**

CHEM 211

**Registrar's Office Use Only - Required Prerequisite(s)/Corequisite(s):**

And/Or	(	Course/Test Code	Min Grade/Score	Academic Level	)	Concurrency?
	(	CHEM 211	C	UG		
Or		CHEM 211T	T	UG		
Or		CHEM U211	T	UG		
Or		CHEM 211	XS	UG	)	

**Registration Restrictions (Updates only):**

**Registrar's Office Use Only - Registration Restrictions:**

**Field(s) of Study:****Class(es):****Level(s):****Degree(s):****School(s):****Catalog****Description:**

Fundamentals of colligative properties, reaction rates and equilibrium. Topics include kinetics, properties of solutions, ionic equilibrium, chemical thermodynamics, electrochemistry, and nuclear chemistry. **Notes:**

~~CHEM 212 must be taken concurrently with CHEM 214 on the first attempt.~~ **Notes:** Credit will not be given for this course and CHEM 103, 104. Students majoring in science, engineering, or mathematics should choose this course sequence.

**Justification:**

Removing note that CHEM 214 must be taken with CHEM 212. Prerequisites were changed in Summer 2025 but the note was not updated.

**Does this course cover material which crosses into another department?** No

**Learning Outcomes:**

**Will this course be scheduled as a cross-level cross listed section?**

**Attach Syllabus**

**Additional Attachments**

**Specialized Course****Categories:**

Mason Core

**Select the Mason Core Requirement the course is proposing to fulfill:**

**Foundation****Courses:****Exploration****Courses:**

Natural Sciences Non-Lab

**Exploration****Courses:**

**Integration  
Courses:****Natural Sciences Non-Lab****Courses must meet the following learning outcomes:**

1. Understand how scientific inquiry is based on investigation of evidence from the natural world, and that scientific knowledge and understanding: a) evolves based on new evidence, and b) differs from personal and cultural beliefs.
2. Recognize the scope and limits of science.
3. Recognize and articulate the relationship between the natural sciences and society and the application of science to societal challenges (e.g., health, conservation, sustainability, energy, natural disasters, etc.).
4. Evaluate scientific information (e.g., distinguish primary and secondary sources, assess credibility and validity of information).

**I affirm that I have attached the following using the syllabus and attachment buttons provided above: (see "?" for help with submission)**

Syllabus

Completed proposal worksheet

Assignments (if needed)

**Have you reached out to the Libraries to determine whether there are adequate resources to support your course? If not, please email Meg Meiman, Associate University Librarian for Learning, Research, and Engagement at [mmeiman2@gmu.edu](mailto:mmeiman2@gmu.edu).**

**Additional  
Comments:****Reviewer  
Comments**

Key: 2213