



# Department of Chemistry & Biochemistry

Summer 2025 New Student Advising

# Welcome to Orientation Advising!

## Goals of today's advising session:

- Plan your classes for Fall 2025
- Know how to contact an advisor for future assistance

## We will also cover:

- Some policy information
- Resources for academic planning

# Majors and Concentrations

## BS in Chemistry [advising worksheets](#)

- No concentration (ACS approved)

### Concentrations:

- Analytical Chemistry
- Biochemistry
- Environmental Chemistry
- Materials Chemistry

## BA in Chemistry [advising worksheets](#)

- No Concentration
- Concentration in Biochemistry

# First-Year Student Schedule Planning

## Semester 1 (Fall 2025):

- CHEM 211 & 213: General Chemistry I and Lab (4 credits)
- MATH 113: Calculus I (4 credits) or whatever MATH you place into
- Mason Core Course (3 credits) [typically ENGH 101]
- Mason Core Course (3 credits) [typically HIST 125]

## Semester 2 (Spring 2026):

- CHEM 212 & 214: General Chemistry II and Lab (4 credits)
- MATH 114: Calculus II (4 credits)
- BIOL 213 (4 credits)
- Mason Core Course (3 credits) [typically COMM or Lit requirement]

# Second-Year Student Schedule Planning

## Semester 3 (Fall 2025):

- CHEM 313 & 315: Organic I and Lab (5 credits)
- MATH 213\*: Calc III (3 credits) [if calc III is not required for your concentration, take a mason core]
- PHYS\* I and Lab (4 credits) \*[College or University depending on degree concentration]
- Mason Core Course (3 credits)

## Semester 4 (Spring 2026):

- CHEM 314 & 318: Organic II and Lab (5 credits)
- CHEM 321: Quantitative Analysis (4 credits)
- PHYS\* II and Lab (4 credits) \*[College or University depending on degree concentration]
- Mason Core Course (3 credits)

# Transfer Student Schedule Planning

- Transfer students may come in with a mix of credits
- You will need to carefully look at the transfer credits GMU has awarded you, and the requirements for the degree program you are pursuing, to determine which courses you should begin with.
- Not all courses are offered every semester and upper level courses have prerequisites.
- Today we will discuss which courses you will take next semester. You should then make a semester by semester plan based on your remaining requirements and have an advisor check it.

# CHEM Course Prerequisites

- CHEM 211-214 (8) are prerequisites to all other undergraduate CHEM courses numbered 301 or above.
- All CHEM courses that are **pre-requisites** to other CHEM courses require a **grade of C or better**.
- Course prerequisites are listed in the catalog ([catalog.gmu.edu](http://catalog.gmu.edu))
- If you deviate from the suggested schedule, you will need to carefully check the order you need to fulfill prerequisites and when they're offered.

# Undergraduate CHEM Course Offering Schedule

## Undergraduate Course Offerings

Courses taught only once a year are shown in bold underline.

<b>Fall</b>	211-213, 212-214, 313, 314, 315, 318, 321, <b>331</b> , 336, <b>422</b> , 425 (odd), <b>427</b> (even), <b>441</b> , <b>446</b> , 463, 465, 490
<b>Spring</b>	211-213, 212-214, 313, 314, 315, 318, 321, <b>332</b> , 336, <b>337</b> , <b>413</b> (odd), <b>423</b> , <b>445</b> , 463, <b>464</b> , 465, <b>467</b> (odd), <b>468</b> (even), 490
<b>Summer</b>	211-213, 212-214, 313, 314, 315, 318, 463/Biol 483

Individualized sections 355, 451, 452, 455, 456 are available every semester.

CHEM 458/GEOL 458 is offered every 4th semester.

<https://science.gmu.edu/academics/departments-units/chemistry-and-biochemistry/advising>



# Mason Core Requirements

- Written Communication (ENGH 101)
- Oral Communication (COMM 101)
- Quantitative Reasoning (fulfilled by MATH 113)
- Information Technology and Computing (choose from a list of qualifying courses- see catalog)
- Arts (choose from a list of qualifying courses- see catalog)
- Global History (**HIST 125**)
- Global Contexts (choose from a list of qualifying courses- see catalog)
- Literature (choose from a list of qualifying courses- see catalog)
- Natural Science (fulfilled by CHEM major courses)
- Social/Behavioral Science (choose from a list of qualifying courses- see catalog)
- Written Communication Upper Level (ENG 302)
- Writing Intensive (Fulfilled by CHEM 336 or CHEM 465)
- Apex CHEM 460 or (choose from a list of qualifying courses- see catalog)

# Mason Degree Audit aka Stellic

- You should be checking Stellic at least once a semester!
- To access Mason Degree Audit:
  1. Log into Patriot Web (<https://patriotweb.gmu.edu>), then click on the Student Services tab or link
  2. From the Student Services menu, click on Student Profile
  3. In the left-hand navigation pane of the Student Profile, select Mason Degree Audit
- Help resources and short training videos, as well as a link to screenshots for logging into the Mason Degree Audit, can be found on the Registrar's website at: <https://registrar.gmu.edu/degreeaudit/>
- It's like an interactive degree requirements checklist

<https://registrar.gmu.edu/students/degree-evaluation/degree-works/>

# Department of Chemistry & Biochemistry



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