



Department of Chemistry & Biochemistry

Summer 2024 New Student Advising

Dr. Callus

Welcome to Orientation Advising!

Goals of today's advising session:

- Plan your classes for Fall 2023
- 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 2023):

- CHEM 211/213: General Chemistry I and Lab (4 credits)
- MATH 113: Calculus I (4 credits)
- BIOL 213 (4 credits) or Mason Core course (3 credits)
- Mason Core Course (3 credits)

Semester 2 (Spring 2024):

- CHEM 212/214: General Chemistry II and Lab (4 credits)
- MATH 114: Calculus II (4 credits)
- BIOL 213 (4 credits) or Mason Core course (3 credits)
- Mason Core Course (3 credits)

Second-Year Student Schedule Planning

Semester 3 (Fall 2024):

- CHEM 313/315: Organic I and Lab (5 credits)
- CHEM 321: Quantitative Analysis (4 credits)
- PHYS* I and Lab (4 credits) *[College or University depending on degree concentration]
- Mason Core Course (3 credits)

Semester 4 (Spring 2025):

- CHEM 314/318: Organic I and Lab (5 credits)
- PHYS* II and Lab (4 credits) *[College or University depending on degree concentration]
- MATH 213* or BIOL 305/306* (3-4 credits)
- 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)
- If you deviate from the suggested schedule, you will need to carefully check the order you need to fulfill prerequisites.

Undergraduate CHEM Course Offering Schedule

Undergraduate Course Offerings

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

Fall 211-213, 212-214, 313, 314, 315, 318, 321, **331**, 336, **422**, 425
(odd), **427** (even), **441**, **446**, 463, 465, 490

Spring 211-213, 212-214, 313, 314, 315, 318, 321, **332**, 336, **337**, **413** (odd), **423**, **445**,
463, **464**, 465, **467** (odd), **468**(even), 490

Summer 211-213, 212-214, 313, 314, 315, 318, 321, 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 Understanding (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)
- Synthesis CHEM 460 or (choose from a list of qualifying courses- see catalog)

DegreeWorks

- You should be checking DegreeWorks at least once a semester!
- To access Degree Works:
 - 1.Login to Patriot Web
 - 2.Select Student Services
 - 3.Select Student Profile
 - 4.Select Degree Evaluation
- It's like an interactive degree requirements checklist

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

Department of Chemistry & Biochemistry



Department Office:
303 Planetary Hall

Phone: 703-993-1070
Email: chem@gmu.edu

Advising:
Dr. Callus: chemug@gmu.edu