

# Program Change Request

Date Submitted: 01/08/24 10:41 am

Viewing: **SC-BS-FRSC : Forensic Science, BS**

Last approved: 04/04/23 8:26 pm

Last edit: 01/11/24 11:11 am

Changes proposed by: jbazaz

**Catalog Pages  
Using this Program**  
[Forensic Science, BS](#)

**Anticipated closure**

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

Yes

**Requestor:**

## In Workflow

1. **FRSC Chair**
2. **SC Curriculum Committee**
3. SC Assistant Dean
4. Assoc Provost- Undergraduate
5. Registrar:Concentrat Code
6. Registrar-Programs

## Approval Path

1. 01/08/24 12:06 pm  
Mary O'Toole  
(motoole2):  
Approved for FRSC  
Chair

## History

1. Nov 1, 2017 by  
clmig-jwehrheim
2. Dec 7, 2018 by  
Jennifer Bazaz  
Gettys (jbazaz)
3. Dec 5, 2019 by  
Jennifer Bazaz  
Gettys (jbazaz)
4. Mar 26, 2020 by  
Tory Sarro (vsarro)
5. Jan 29, 2021 by  
Jennifer Bazaz  
Gettys (jbazaz)
6. Apr 13, 2021 by  
Tory Sarro (vsarro)
7. Apr 13, 2021 by  
Tory Sarro (vsarro)

- 8. Apr 13, 2021 by  
Tory Sarro (vsarro)
- 9. May 12, 2022 by  
Tory Sarro (vsarro)
- 10. May 25, 2022 by  
Tory Sarro (vsarro)
- 11. Apr 4, 2023 by  
Jennifer Bazaz  
Gettys (jbazaz)

Name	Extension	Email
Kimberly Rule	5338	kcarisi@gmu.edu

**Effective Catalog:** 2024-2025

**Program Level:** Undergraduate

**Program Type:** Bachelor's

**Degree Type:** Bachelor of Science

**Title:** Forensic Science, BS

5. Is this badge co-sponsored with  
a. What is the organization, program

**Assessments:**

**Education**

**Other**

**Subject**

**Professional**

**Schedule/Registration**

**Volunteer**

**Skills Tag**

**Skills Tag**

**Badge Attributes**

Please select one from each category:

**Achievement Type:**

**Mastery Level:**

**Time Commitment:**

**Cost:**

**Industry Standards:**

**Recommendations:**

**Issuance information and Pricing**

*Pricing: See <https://www.gmu.edu/digitalbadgespricing/> for more information.*

**Estimated Number of Badges Expected to be Issued:**

**Notes:**

- A Mason Digital Credentials Advisory Group may be developed

**Banner Title:** Forensic Science, BS

**Is this a retitling of an existing**

**Existing Program**

**Registrar/OAPI Use Only – SCHEV Status** Approved

**Registrar’s Office Use Only – Program Start Term**

**Registrar/OAPI Use Only – SCHEV Letter**

**Registrar/OAPI Use Only – SACSCOC Status**

**Concentration(s):**

	<b>Associated Concentrations</b>	<b>Registrar's Office Use Only: Concentration Code</b>
<u>1</u>	<u>Criminalistics</u>	<u>FRCR</u>
<u>2</u> <del>1</del>	Forensic Biology	FRBL
<u>3</u> <del>2</del>	Forensic Chemistry	FRCH
<u>4</u>	<u>Interdisciplinary Forensic Science</u>	<u>FRIN</u>

**INTC Major(s):**

**Registrar/IRR Use Only – Concentration CIP Code**

**College/School:** College of Science

**Department / Academic Unit:** Forensic Science Program

**Jointly Owned Program?** No

**Participating Participating Justification**

What: Changing “Degree Without Concentration” to “Criminalistics Concentration”, and requiring two lecture/laboratory pairing science courses within the concentration.

Why: The proposal of changing “Degree Without Concentration” to “Criminalistics Concentration” provides a more appealing title which aligns with the Forensic Science Accreditation (FEPAC) terminology which classify general forensic science concentrations under criminalistics. Also, to align with Forensic Science Accreditation standards two upper level lecture/laboratory pairing science courses are now required as part of this concentration.

What: Removing FRSC 499 comprehensive Examination from all three concentrations: Forensic Biology Concentration, Forensic Chemistry Concentration, Degree Without Concentration/Criminalistics Concentration.

Why: This course/examination was implemented several years to go to meet one of the Forensic Science Accreditation (FEPAC) standards. This standard no longer exists and the Forensic Science Program believes that the removal of FRSC 499 does not diminish the integrity of the degree, however it limits faculty’s ability to be innovative and creative in course design and therefore support its removal.

What: Added CHEM 424 Principles of Chemical Separation to the Forensic Chemistry Concentration Supporting Science, added BIOL 485 Cell Signaling Laboratory to the Forensic Biology and Degree Without Concentration/Criminalistics Concentrations, and removing BIOL 417 Selected Topics in Molecular and Cellular Biology (When the topic is “Illumina Sequencing”) from the Forensic Biology Concentration and Degree Without Concentration/Criminalistics Concentration Supporting Sciences.

Why: Under consultation with Chemistry Department faculty, CHEM 424 was recommended as an addition to the Forensic Chemistry Concentration as this course is beneficial for forensic science students interested in a career within Forensic Chemistry. BIOL 417 Selected Topics of “Illumina Sequencing” has not been offered for several years and therefore should be removed from the Supporting Science course option list from the Forensic Biology and Degree Without Concentration/Criminalistics Concentration. BIOL 485 Cell Signaling Laboratory was added to the Forensic Biology and Degree Without Concentration/Criminalistics Concentrations to give students the option of the lab component to the already approved BIOL 484 lecture component of the Cell Signaling and Disease course.

What: Creating a new concentration “Interdisciplinary Forensic Science Concentration” as part of the Bachelor of Science, Forensic Science degree. Revisualizing the core to take into consideration this new concentration.

Why: The Bachelor of Science, Forensic Science degree has experienced consistent increased growth since its implementation in 2011. In 2021, the Forensic Biology and Forensic Chemistry Concentrations were successfully implemented to provide students with relevant coursework who desired careers within these sub disciplines of forensic science. To keep up with the increasing interest and demand in forensic science, this proposal introduces a new concentration designed for students desiring a career within forensic science that are outside

of the traditional biology and chemistry- based fields. This interdisciplinary concentration brings course options from within College of Science (COS) and external to COS by offering selected minors that are relevant to forensic science. This concentration maintains the integrity of a science degree by including the current “Natural Science Core” courses to include biology, chemistry, mathematics, and physics courses providing a well-rounded science foundation while additionally satisfying the Bachelor’s degree 25% overlap required by SCHEV. Students will be required to take select Forensic Science courses and then will have several options of upper level science courses or any College of Science minor or selected non-COS minor. This concentration will be appealing to prospective students as this is not an option found at most of our peer institutions who only provide concentrations that are solely laboratory focused and not interdisciplinary as seen below. These lab-based options preclude a large population of students who desire a non-laboratory focused career in forensic science.

- VCU- Forensic Chemistry, Forensic Biology and Physical Evidence Concentrations
- Penn State- Forensic Molecular Biology and Forensic Chemistry Options
- George Washington University- Combined BS/MFS in Forensic Chemistry
- West Virginia University- Forensic Biology, Forensic Chemistry, and Forensic Examiner majors
- Towson University- Forensic Chemistry Program with General, Trace/Drug, and DNA Tracks

Forensic Science careers are not only found in scientific laboratories but also have strong relevance to numerous field-based, security-based, intelligence-based entities. Students with this type of interdisciplinary coursework may find employment opportunities in various local, state, and federal law enforcement, government, and military agencies. According to the U.S. Bureau of Labor and Statistics Occupational Outlook Handbook, the projected percent change in employment for Forensic Science Technicians from 2022 to 2032 is 13%. This percentage as compared to the average growth rate for all occupations is 3% is rated as “much faster than average”. And “about 2600 openings for forensic science technicians are projected each year, on average, over the decade. Many of those openings are expected to result from the need to replace workers who transfer to different occupations or exit the labor force, such as to retire”.<sup>1</sup>

1 US Bureau of Labor and Statistics, Occupational Outlook Handbook:  
<https://www.bls.gov/ooh/life-physical-and-social-science/forensic-science-technicians.htm#tab-1>

### Catalog Published Information

**Total Credits** Total credits: minimum 120

**Required:**

**Registrar's Office Use Only - Program Code:**

SC-BS-FRSC

**Registrar/IRR Use  
Only – Program CIP  
Code**

**Admission  
Requirements:**

## Admissions

University-wide admissions policies can be found in the [Undergraduate Admissions Policies](#) section of this catalog. To apply for this program, please complete the [George Mason University Admissions Application](#).

**Program-Specific  
Policies:**

## Policies

Students must fulfill all [Requirements for Bachelor's Degrees](#), including the [Mason Core](#).

[FRSC 302](#) Forensic Trace Analysis ([Mason Core](#)) or [FRSC 304](#) Forensic Chemistry ([Mason Core](#)) will satisfy the writing intensive requirement.

For policies governing all undergraduate programs, see [AP.5 Undergraduate Policies](#).

**Degree Requirements:**

Students should refer to the [Admissions & Policies](#) tab for specific policies related to this program.

Students **majoring in forensic science** must complete the core [courses, select one concentration, courses](#) and [complete Mason Core and Elective Credits, choose one concentration](#).

~~Students cannot declare the concentration upon admission; it can be declared once the student has earned a minimum of 60 credits.~~ All major coursework must be completed with a minimum GPA of 2.30. No more than three courses with a grade of 'D' (1.00) may be applied to the major.

Students are advised to be aware of any prerequisites that may be required for each course in the curriculum.

Students are only permitted three attempts for all major courses; following a third unsuccessful attempt the student will no longer be able to pursue the major. **Forensic Science**

## Core Courses

Students in each concentration must ~~should~~ complete the following courses: ~~Degree without~~

**Forensic Science Core Courses**

<a href="#">FRSC 200</a>	Survey of Forensic Science	3
<a href="#">FRSC 201</a>	Introduction to Criminalistics	3
<a href="#">FRSC 302</a>	Forensic Trace Analysis ( <a href="#">Mason Core</a> ) 1	3
<a href="#">FRSC 303</a>	<del>Forensic Evidence and Ethics</del>	<del>3</del>
<a href="#">FRSC 304</a>	<del>Forensic Chemistry (Mason Core)</del>	<del>4</del>
<del>&amp; FRSC 305</del>	<del>and Forensic Chemistry Laboratory 1</del>	
<a href="#">FRSC 401</a>	<del>Crime Scene Investigations</del>	<del>3</del>
<a href="#">FRSC 405</a>	<del>Independent Research Methods</del>	<del>3</del>
<del>or FRSC 406</del>	<del>Forensic Internship</del>	

<b>FRSC 460</b>	<b>Forensic DNA Analysis</b>	<b>4</b>
<b>&amp; FRSC 461</b>	<b>and Forensic DNA Analysis Laboratory</b>	
<b>FRSC 499</b>	<b>Comprehensive Examination</b>	<b>0</b>
<b>CRIM 100</b>	Introduction to Criminal Justice ( <b>Mason Core</b> )	3
Natural Science Core Courses		
<b>BIOL 213</b>	Cell Structure and Function ( <b>Mason Core</b> )	4
<b>BIOL 214</b>	Biostatistics for Biology Majors	3-4
or <b>STAT 250</b>	Introductory Statistics I ( <b>Mason Core</b> )	
<b>BIOL 311</b>	General Genetics	4
<b>CHEM 211</b>	General Chemistry I ( <b>Mason Core</b> )	4
<b>&amp; CHEM 213</b>	and General Chemistry Laboratory I ( <b>Mason Core</b> )	
<b>CHEM 212</b>	General Chemistry II ( <b>Mason Core</b> )	4
<b>&amp; CHEM 214</b>	and General Chemistry Laboratory II ( <b>Mason Core</b> )	
<b>CHEM 313</b>	Organic Chemistry I	5
<b>&amp; CHEM 315</b>	and Organic Chemistry Lab I	
<b>CHEM 314</b>	Organic Chemistry II	5
<b>&amp; CHEM 318</b>	and Organic Chemistry Lab II	
<b>MATH 113</b>	Analytic Geometry and Calculus I ( <b>Mason Core</b> )	4-6
or <b>MATH 123</b>	Calculus with Algebra/Trigonometry, Part A	
<b>&amp; MATH 124</b>	and Calculus with Algebra/Trigonometry, Part B ( <b>Mason Core</b> )	
<b>PHYS 243</b>	College Physics I ( <b>Mason Core</b> )	4
<b>&amp; PHYS 244</b>	and College Physics I Lab ( <b>Mason Core</b> )	2
<b>PHYS 245</b>	College Physics II ( <b>Mason Core</b> )	4
<b>&amp; PHYS 246</b>	and College Physics II Lab ( <b>Mason Core</b> )	2
Total Credits		53-56

1

**FRSC 302** will satisfy this major's writing-intensive requirement.

2

- Students in the Forensic Chemistry Concentration may instead choose the following physics sequence: **PHYS 160** University Physics I (**Mason Core**) & **PHYS 161** University Physics I Laboratory (**Mason Core**) & **PHYS 260** University Physics II (**Mason Core**) & **PHYS 261** University Physics II Laboratory (**Mason Core**).
- Please note that **PHYS 260** University Physics II (**Mason Core**) & **PHYS 261** University Physics II Laboratory (**Mason Core**) require a prerequisite of **MATH 213** Analytic Geometry and Calculus III.

## **Concentration Concentration in Criminalistics (FRCR)**

### Forensic Science Extended Core

<b>FRSC 303</b>	<b>Forensic Evidence and Ethics</b>	<b><u>3</u></b>
<b>FRSC 304</b>	<b>Forensic Chemistry (Mason Core)</b>	<b><u>4</u></b>
<b>&amp; FRSC 305</b>	<b>and Forensic Chemistry Laboratory 1</b>	
<b>FRSC 401</b>	<b>Crime Scene Investigations</b>	<b><u>3</u></b>
<b>FRSC 405</b>	<b>Independent Research Methods</b>	<b><u>3</u></b>

[or FRSC 406](#)[Forensic Internship](#)[FRSC 460](#)[Forensic DNA Analysis](#)[4](#)[& FRSC 461](#)[and Forensic DNA Analysis Laboratory](#)

Required Concentration Courses

Select a minimum of 8 credits from the following courses:

8

Select two lecture and laboratory pairings for a minimum of 8 credits:

[8-12](#)[FRSC 325](#)[Molecular Biology](#)[& FRSC 326](#)[and Molecular Biology Laboratory](#)[BIOL 305](#)

Biology of Microorganisms

[& BIOL 306](#)

and Biology of Microorganisms Laboratory

[BIOL 405](#)

Microbial Genetics

[BIOL 430](#)

Advanced Human Anatomy and Physiology I

[BIOL 431](#)

Advanced Human Anatomy and Physiology II

[BIOL 452](#)

Immunology

[& BIOL 453](#)

and Immunology Laboratory

[BIOL 483](#)[General Biochemistry](#)[or CHEM 463](#)[General Biochemistry I](#)[& CHEM 465](#)[and Biochemistry Lab \(Mason Core\)](#)[BIOL 484](#)[Cell Signaling and Disease](#)[& BIOL 485](#)[and Cell Signaling Laboratory](#)[CHEM 321](#)[Quantitative Chemical Analysis](#)[CHEM 331](#)

Physical Chemistry I

[& CHEM 336](#)and Physical Chemistry Lab I ([Mason Core](#))[Supporting Science Electives](#)

Select a minimum of 7 credits (not previously taken) from the following:

[7-10](#)[FRSC 325](#)[Molecular Biology](#)[FRSC 326](#)[Molecular Biology Laboratory](#)[FRSC 404](#)[Advanced Instrumentation in Forensic Chemistry](#)[FRSC 450](#)

Practical Forensic Skeletal Biology

[FRSC 470](#)[Forensic Genomics](#)[BINF 401](#)

Bioinformatics and Computational Biology I

[BINF 402](#)

Bioinformatics and Computational Biology II

[BIOL 305](#)[Biology of Microorganisms](#)[BIOL 306](#)

Biology of Microorganisms Laboratory

[BIOL 404](#)

Medical Microbiology

[BIOL 405](#)[Microbial Genetics](#)[BIOL 412](#)

Phage Genomics

[BIOL 417](#)[Selected Topics in Molecular and Cellular Biology \(When the topic is "Illumina Sequencing"\)](#)[BIOL 430](#)[Advanced Human Anatomy and Physiology I](#)[BIOL 431](#)[Advanced Human Anatomy and Physiology II](#)[BIOL 452](#)[Immunology](#)[BIOL 453](#)

Immunology Laboratory

<a href="#">BIOL 482</a>	Introduction to Molecular Genetics
<a href="#">BIOL 483</a>	<a href="#">General Biochemistry</a>
<a href="#">BIOL 484</a>	Cell Signaling and Disease
<a href="#">BIOL 485</a>	<a href="#">Cell Signaling Laboratory</a>
<a href="#">CHEM 321</a>	<a href="#">Quantitative Chemical Analysis</a>
<a href="#">CHEM 331</a>	<a href="#">Physical Chemistry I</a>
<a href="#">CHEM 336</a>	Physical Chemistry Lab I ( <a href="#">Mason Core</a> )
<a href="#">CHEM 427</a>	Aquatic Environmental Chemistry
<a href="#">CHEM 446</a>	Bioinorganic Chemistry
<a href="#">CHEM 463</a>	General Biochemistry I
<a href="#">CHEM 464</a>	General Biochemistry II
<a href="#">CHEM 465</a>	Biochemistry Lab ( <a href="#">Mason Core</a> )

Total Credits

32-39

1FRSC 304 Forensic Chemistry (Mason Core) will satisfy this major's writing-intensive requirement.

## Concentration ~~Forensic Biology (FRBL)~~ Concentration in Forensic Biology (FRBL)

### Forensic Science Extended Core

<a href="#">FRSC 303</a>	<a href="#">Forensic Evidence and Ethics</a>	<u>3</u>
<a href="#">FRSC 304</a>	<a href="#">Forensic Chemistry (Mason Core)</a>	<u>4</u>
<a href="#">&amp; FRSC 305</a>	<a href="#">and Forensic Chemistry Laboratory 1</a>	
<a href="#">FRSC 401</a>	<a href="#">Crime Scene Investigations</a>	<u>3</u>
<a href="#">FRSC 405</a>	<a href="#">Independent Research Methods</a>	<u>3</u>
<a href="#">or FRSC 406</a>	<a href="#">Forensic Internship</a>	
<a href="#">FRSC 460</a>	<a href="#">Forensic DNA Analysis</a>	<u>4</u>
<a href="#">&amp; FRSC 461</a>	<a href="#">and Forensic DNA Analysis Laboratory</a>	

### Required Concentration Courses

<a href="#">FRSC 325</a>	Molecular Biology	4
<a href="#">&amp; FRSC 326</a>	and Molecular Biology Laboratory	
<a href="#">FRSC 470</a>	Forensic Genomics	4
<a href="#">BIOL 483</a>	General Biochemistry	4

### Supporting Science Courses

Select a minimum of 3 credits from the following courses: 3-6

<a href="#">FRSC 450</a>	Practical Forensic Skeletal Biology
<a href="#">BINF 401</a>	Bioinformatics and Computational Biology I
<a href="#">BINF 402</a>	Bioinformatics and Computational Biology II
<a href="#">BIOL 305</a>	Biology of Microorganisms
<a href="#">BIOL 306</a>	Biology of Microorganisms Laboratory
<a href="#">BIOL 404</a>	Medical Microbiology
<a href="#">BIOL 405</a>	Microbial Genetics

- [BIOL 412](#) Phage Genomics
- [BIOL 417](#) ~~Selected Topics in Molecular and Cellular Biology (When the topic is "Illumina Sequencing")~~
- [BIOL 430](#) Advanced Human Anatomy and Physiology I
- [BIOL 431](#) Advanced Human Anatomy and Physiology II
- [BIOL 452](#) Immunology
- [BIOL 453](#) Immunology Laboratory
- [BIOL 482](#) Introduction to Molecular Genetics
- [BIOL 484](#) Cell Signaling and Disease
- [BIOL 485](#) Cell Signaling Laboratory

Total Credits

32-35

1FRSC 304 Forensic Chemistry (Mason Core) will satisfy this major's writing-intensive requirement.

## Concentration in Forensic Chemistry (FRCH)

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Extended Forensic Science Core

<a href="#">FRSC 303</a>	<a href="#">Forensic Evidence and Ethics</a>	<u>3</u>
<a href="#">FRSC 304</a>	<a href="#">Forensic Chemistry (Mason Core)</a>	<u>4</u>
	<a href="#">&amp; FRSC 305 and Forensic Chemistry Laboratory 1</a>	
<a href="#">FRSC 401</a>	<a href="#">Crime Scene Investigations</a>	<u>3</u>
<a href="#">FRSC 405</a>	<a href="#">Independent Research Methods</a>	<u>3</u>
<a href="#">or FRSC 406</a>	<a href="#">Forensic Internship</a>	
<a href="#">FRSC 460</a>	<a href="#">Forensic DNA Analysis</a>	<u>4</u>
	<a href="#">&amp; FRSC 461 and Forensic DNA Analysis Laboratory</a>	

Required Concentration Courses

<a href="#">FRSC 404</a>	Advanced Instrumentation in Forensic Chemistry	4
<a href="#">CHEM 321</a>	Quantitative Chemical Analysis	4
<a href="#">MATH 114</a>	Analytic Geometry and Calculus II	4

Supporting Science Courses

Select a minimum of 7 credits from the following courses: 7-10

- [CHEM 331](#) Physical Chemistry I
- [CHEM 336](#) Physical Chemistry Lab I ([Mason Core](#))
- [CHEM 332](#) Physical Chemistry II 2
- [CHEM 337](#) Physical Chemistry Lab II
- [CHEM 422](#) Instrumental Methods of Chemical Analysis 2
- [CHEM 423](#) Instrumental Methods of Chemical Analysis Laboratory
- [CHEM 424](#) Principles of Chemical Separation 2
- [CHEM 427](#) Aquatic Environmental Chemistry
- [CHEM 441](#) Properties and Bonding of Inorganic Compounds 2
- [CHEM 446](#) Bioinorganic Chemistry
- [CHEM 463](#) General Biochemistry I
- [CHEM 464](#) General Biochemistry II

**CHEM 465** Biochemistry Lab (**Mason Core**)

Total Credits

36-39

**1**

**FRSC 304** Forensic Chemistry (**Mason Core**) will satisfy this major's writing-intensive requirement.

**2**

These course selections recommend the University Physics sequence: **PHYS 160 University Physics I (Mason Core)**, **PHYS 161 University Physics I Laboratory (Mason Core)**, **PHYS 260 University Physics II (Mason Core)**, **PHYS 261 University Physics II Laboratory (Mason Core)**

## **Concentration in Interdisciplinary Forensic Science (FRIN)**

### Extended Forensic Science Core

Select 6 credits (not previously taken) of any 300-400 level FRSC courses

6

### Required Concentration Courses or Minor

Select a minimum of 15 credits (not previously taken) from the following courses or one of the following minors:15

#### Any 300-400 level FRSC courses

<u><b>BINF 401</b></u>	<u>Bioinformatics and Computational Biology I</u>
<u><b>BINF 402</b></u>	<u>Bioinformatics and Computational Biology II</u>
<u><b>BIOL 305</b></u>	<u>Biology of Microorganisms</u>
<u><b>BIOL 306</b></u>	<u>Biology of Microorganisms Laboratory</u>
<u><b>BIOL 404</b></u>	<u>Medical Microbiology</u>
<u><b>BIOL 405</b></u>	<u>Microbial Genetics</u>
<u><b>BIOL 412</b></u>	<u>Phage Genomics</u>
<u><b>BIOL 430</b></u>	<u>Advanced Human Anatomy and Physiology I</u>
<u><b>BIOL 431</b></u>	<u>Advanced Human Anatomy and Physiology II</u>
<u><b>BIOL 452</b></u>	<u>Immunology</u>
<u><b>BIOL 453</b></u>	<u>Immunology Laboratory</u>
<u><b>BIOL 482</b></u>	<u>Introduction to Molecular Genetics</u>
<u><b>BIOL 483</b></u>	<u>General Biochemistry</u>
<u><b>BIOL 484</b></u>	<u>Cell Signaling and Disease</u>
<u><b>BIOL 485</b></u>	<u>Cell Signaling Laboratory</u>
<u><b>CHEM 321</b></u>	<u>Quantitative Chemical Analysis</u>
<u><b>CHEM 331</b></u>	<u>Physical Chemistry I</u>
<u><b>CHEM 336</b></u>	<u>Physical Chemistry Lab I (Mason Core)</u>
<u><b>CHEM 427</b></u>	<u>Aquatic Environmental Chemistry</u>
<u><b>CHEM 446</b></u>	<u>Bioinorganic Chemistry</u>
<u><b>CHEM 463</b></u>	<u>General Biochemistry I</u>
<u><b>CHEM 464</b></u>	<u>General Biochemistry II</u>
<u><b>CHEM 465</b></u>	<u>Biochemistry Lab (Mason Core)</u>

Any minor offered by the College of Science

Anthropology Minor

[Bioengineering Minor](#)

[Computer Science Minor](#)

[Data Analysis Minor](#)

[Criminology, Law, and Society Minor](#)

[Forensic Psychology Minor](#)

[Information Technology Minor](#)

[Intelligence Studies Minor](#)

[International Security Minor](#)

[Legal Studies Minor](#)

[Photography Minor](#)

[Psychology Minor](#)

[Statistics Minor](#)

Total Credits

21

**Retroactive  
Requirements  
Updates:**

~~Effective Catalog years: 2021-2022, 2022-2023 Previous requirement as stated in the catalog: Under the Supporting Science course electives, lectures AND labs had to be completed if chosen. Updated requirement: Under Supporting Science course electives, lectures and labs CAN be completed, but the labs are not required.~~

**Plan of Study:**

**Honors  
Information:**

Accelerated  
Description/Dual  
Degree

~~Requirements:~~  
**INTO-Mason  
Requirements:**

**College  
Requirements &  
Policies:**

Department /  
Academic Unit  
Requirements &  
Policies:

## Program Outcomes

### Additional Program Information

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*This information is required by the Office of Accreditation and Program Integrity.*

**Courses offered via  
distance (if  
applicable):**

Indicate whether  
students are able

**What is the  
primary delivery  
format for the  
program?**  
Face-to-Face Only

**Does any portion of this program occur off-campus?**

No

**Off-campus details:**

**Are you working with a vendor / other collaborators to offer your program?**

No

**Please explain:**

**Related  
Departments**

**Could this program prepare students for any type of professional licensure, in  
Virginia or elsewhere?**

No

**Please explain:**

**Are you adding or removing a licensure component?**

No

Please explain:

## Additional SCHEV & SACSCOC Information

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Is the content of the new program closely related to that of an existing approved program at the same instructional level (i.e., baccalaureate, master's, doctoral)?

Which existing approved program(s)?

Is this new program considered to be "advancing the degree level of a currently approved program" (i.e. existing content is at lower degree level, new content is at

Which existing approved program(s)?

Is this new program considered to be "lowering the degree level of a currently approved program" (i.e. existing content is at higher degree level, new content is at the lower

Which existing approved program(s)?

Is this a re-opening of a program that was closed to admission within the last five years?

Date of Program Closure

What are the methods of delivery for the program?

Does this program include a course/credit-based competency-based education delivery option?

Is this change a simple retitling of an existing program, with no other changes, to any existing program content, curriculum requirements, etc?

No

Does this change represent a repackaging of content in an existing approved degree/certificate program at the same instructional level (i.e., baccalaureate, master's, or doctoral)?

No

Which existing approved program(s)?

Percentage of total credits containing new course content. ("New course content" is defined by SACSCOC as content that is not currently included in an existing approved degree/certificate program at the same instructional level. Do not exclude gen ed credits in calculations for undergraduate programs.)

0%-24%

Does this change include the addition of a distance education or face-to-face method of delivery for this program?

No

What is the new method of delivery?

Does this change include the addition of a course/credit-based competency-based education delivery option?

No

**Will any additional equipment/facilities be needed?**

No

Description of institutional impact:

**Will any additional faculty be required?**

No

Description of institutional impact:

**Will any additional financial resources be needed?**

No

Description of institutional impact:

**Additional library/learning resources needed?**

No

Description of institutional impact:

**OAPI Use Only – Determination of SACSCOC Impact**

Comments or Notes

**Green Leaf Program Designation**

**Is this a Green Leaf program?** No

**Green Leaf Designation**

*Sustainability-focused academic programs require at least one green leaf course. Either that course is itself sustainability-focused or else the program requires a set of sustainability-related courses with aggregated*

**Relationship to Existing Courses**

**Relationship to Existing Programs**

**List sustainability-focused courses**

currently required

Sustainability-related academic programs either require at least one sustainability-related course or also offer any green leaf course as an option or elective \*

List sustainability-related courses currently required in the degree

Does this program cover material which crosses into another department?

No

Impacted Departments

Additional Attachments

SCHEV Proposal

Executive Summary

Reviewer Comments

Additional Comments

Is this course required of all students in this degree program?

%wi\_required.eshtml%

Attached Document