

# Program Change Request

Date Submitted: 10/07/20 10:54 am

Viewing: **SC-BS-CHEM : Chemistry, BS**

Last approved: 02/11/19 4:10 pm

Last edit: 10/07/20 10:54 am

Changes proposed by: jbazaz

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

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

Yes

**Requestor:**

## In Workflow

1. **CHEM Assoc Chair**
2. **CHEM Chair**
3. **SC Curriculum Committee**
4. SC Associate Dean
5. SC CAT Editor
6. Assoc Provost- Undergraduate
7. Registrar:Concentrat Code
8. Registrar-Programs: Duration
9. Registrar-Programs

## Approval Path

1. 10/06/20 9:03 am  
Megan Erb  
(msikowit): Rollback to Initiator
2. 10/07/20 10:58 am  
Megan Erb  
(msikowit):  
Approved for CHEM Assoc Chair
3. 10/07/20 11:03 am  
Gerald Weatherspoon  
(grobert1):  
Approved for CHEM Chair

## History

1. Oct 23, 2017 by  
clmig-jwehrheim

2. Mar 1, 2018 by  
Rebekah Zacharias  
(rzachari)
3. Mar 28, 2018 by  
Rebekah Zacharias  
(rzachari)
4. Feb 11, 2019 by  
Tory Sarro (vsarro)

Name	Extension	Email
Megan Erb	4089	msikowit

**Effective Catalog:** 2021-2022

**Program Level:** Undergraduate

**Program Type:** Bachelor's

**Degree Type:** Bachelor of Science

**Title:** Chemistry, BS

**Banner Title:** Chemistry, BS

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

**Registrar's Office  
Use Only –  
Program Start Term** Fall 2018

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

**Concentration(s):**

	Associated Concentrations	Registrar's Office Use Only: Concentration Code
1	Biochemistry	BC
2	Environmental Chemistry	EVCH
3	Analytical Chemistry	ANAC
4	<b>Materials Chemistry</b>	<b>MATC</b>

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

**College/School:** College of Science

**Department / Academic Unit:** Chemistry & Biochemistry

**Jointly Owned Program?** No

**Academic Themes:**

**Science & Math**

**Justification**

This new Materials Chemistry concentration will allow students to focus their studies on materials synthesis and characterization. Students will take all of the foundational chemistry courses and then specialize in materials chemistry by choosing among upper level electives in this subfield. Our Department has strengthened our research and teaching manpower in materials chemistry, with the addition of four tenure-track faculty in the past two years. This concentration builds upon these existing opportunities for undergraduate research and education.

The Occupational Outlook Handbook reflects a 2019-2029 job outlook for Chemists and Materials Scientists to be 5% which is "Faster than average". The typical entry-level education for this field is a bachelor's degree, making the creation of this concentration within the bachelor's appropriate and, considering the projected increase of 4,300 jobs by 2029, also a timely addition to the Chemistry BS's curriculum.

([https://www.bls.gov/ooh/life-physical-and-social-science/chemists-and-materials-scientists.htm#TB\\_inline?height=325&width=325&inlineId=qf-outlook](https://www.bls.gov/ooh/life-physical-and-social-science/chemists-and-materials-scientists.htm#TB_inline?height=325&width=325&inlineId=qf-outlook))

**Total Credits Required:** Total credits: minimum 120

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

SC-BS-CHEM

**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](#). [CHEM 336](#) Physical Chemistry Lab I or [CHEM 465](#) Biochemistry Lab will fulfill the writing intensive requirement for students majoring in chemistry.

## Termination from the Major

To ensure the academic integrity of the Chemistry and Biochemistry undergraduate major program, students are expected to maintain a satisfactory level of academic performance.

No chemistry, math, or science course that is required for the major may be attempted more than three times. Students who do not successfully complete such a course with a grade of C or better by the third attempt may be terminated from the major.

Students who have been terminated from the Chemistry major may not register for a chemistry course without the permission of the Department of Chemistry and Biochemistry.

A student may not declare a major in chemistry if the student has previously met the termination criteria for the major at any time, regardless of what the student's major was at the time the courses were taken.

### Degree Requirements:

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

Students majoring in chemistry must complete the chemistry program requirements with a minimum GPA of 2.30 and present no more than two courses with a grade of 'D' (1.00) in CHEM coursework at graduation.

## BS without Concentration

Students who do not select an optional concentration complete the curriculum requirements listed below.

### Chemistry Courses

<a href="#">CHEM 211</a>	General Chemistry I ( <a href="#">Mason Core</a> )	3
<a href="#">CHEM 212</a>	General Chemistry II ( <a href="#">Mason Core</a> )	3
<a href="#">CHEM 213</a>	General Chemistry Laboratory I ( <a href="#">Mason Core</a> )	1
<a href="#">CHEM 214</a>	General Chemistry Laboratory II ( <a href="#">Mason Core</a> )	1
<a href="#">CHEM 313</a>	Organic Chemistry I	3
<a href="#">CHEM 314</a>	Organic Chemistry II	3
<a href="#">CHEM 315</a>	Organic Chemistry Lab I	2
<a href="#">CHEM 318</a>	Organic Chemistry Lab II	2
<a href="#">CHEM 321</a>	Quantitative Chemical Analysis	4
<a href="#">CHEM 331</a>	Physical Chemistry I	3
<a href="#">CHEM 332</a>	Physical Chemistry II	3
<a href="#">CHEM 336</a>	Physical Chemistry Lab I 1	2
<a href="#">CHEM 337</a>	Physical Chemistry Lab II	2
<a href="#">CHEM 422</a>	Instrumental Methods of Chemical Analysis	3
<a href="#">CHEM 423</a>	Instrumental Methods of Chemical Analysis Laboratory	2
<a href="#">CHEM 441</a>	Properties and Bonding of Inorganic Compounds	3
<a href="#">CHEM 445</a>	Inorganic Preparations and Techniques	2

<a href="#">CHEM 463</a>	General Biochemistry I	4
<a href="#">Select 3 credits of chemistry electives 2</a>		3
In Depth Electives		
Select one from the following:		3
<a href="#">CHEM 413</a>	Synthetic and Mechanistic Organic Chemistry	
<a href="#">CHEM 427</a>	Aquatic Environmental Chemistry	
<a href="#">CHEM 438</a>	Atmospheric Chemistry	
<a href="#">CHEM 458</a>	Chemical Oceanography	
<a href="#">CHEM 464</a>	General Biochemistry II	
<a href="#">CHEM 467</a>	The Chemistry of Enzyme-Catalyzed Reactions	
<a href="#">CHEM 468</a>	Bioorganic Chemistry	

Total Credits 52

- 1 Fulfills the writing intensive requirement.
- 2 Any lecture, lab or research course(s)

### Mathematics Courses

<a href="#">MATH 113</a>	Analytic Geometry and Calculus I ( <a href="#">Mason Core</a> )	4
<a href="#">MATH 114</a>	Analytic Geometry and Calculus II	4
<a href="#">MATH 213</a>	Analytic Geometry and Calculus III	3

Total Credits 11

### Physics Courses

<a href="#">PHYS 160</a>	University Physics I ( <a href="#">Mason Core</a> )	3
<a href="#">PHYS 161</a>	University Physics I Laboratory ( <a href="#">Mason Core</a> )	1
<a href="#">PHYS 260</a>	University Physics II ( <a href="#">Mason Core</a> )	3
<a href="#">PHYS 261</a>	University Physics II Laboratory ( <a href="#">Mason Core</a> )	1

Total Credits 8

## Concentration in Environmental Chemistry (EVCH)

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Students who choose this concentration will have a broad knowledge of chemistry and a firm foundation in the environmental sciences covering atmospheric, aquatic, and soil. The major prepares students to work in the public or private sector as environmental chemists as well as to pursue an advanced degree.

### Chemistry Courses

<a href="#">CHEM 211</a>	General Chemistry I ( <a href="#">Mason Core</a> )	3
<a href="#">CHEM 213</a>	General Chemistry Laboratory I ( <a href="#">Mason Core</a> )	1
<a href="#">CHEM 212</a>	General Chemistry II ( <a href="#">Mason Core</a> )	3
<a href="#">CHEM 214</a>	General Chemistry Laboratory II ( <a href="#">Mason Core</a> )	1
<a href="#">CHEM 313</a>	Organic Chemistry I	3
<a href="#">CHEM 314</a>	Organic Chemistry II	3
<a href="#">CHEM 315</a>	Organic Chemistry Lab I	2
<a href="#">CHEM 318</a>	Organic Chemistry Lab II	2
<a href="#">CHEM 321</a>	Quantitative Chemical Analysis	4
<a href="#">CHEM 331</a>	Physical Chemistry I	3

<a href="#">CHEM 332</a>	Physical Chemistry II	3
<a href="#">CHEM 336</a>	Physical Chemistry Lab I 1	2
<a href="#">CHEM 337</a>	Physical Chemistry Lab II	2
<a href="#">CHEM 422</a>	Instrumental Methods of Chemical Analysis	3
<a href="#">CHEM 423</a>	Instrumental Methods of Chemical Analysis Laboratory	2
<a href="#">CHEM 427</a>	Aquatic Environmental Chemistry	3
<a href="#">CHEM 438</a>	Atmospheric Chemistry	3
<a href="#">CHEM 441</a>	Properties and Bonding of Inorganic Compounds	3
or <a href="#">CHEM 446</a>	Bioinorganic Chemistry	
<a href="#">CHEM Elective (lecture or research course)</a>		3
Total Credits		49

1 Fulfills the writing intensive requirement.

### Physics Courses

Select one option:		8
Option One:		
<a href="#">PHYS 160</a>	University Physics I ( <a href="#">Mason Core</a> )	
<a href="#">PHYS 161</a>	University Physics I Laboratory ( <a href="#">Mason Core</a> )	
<a href="#">PHYS 260</a>	University Physics II ( <a href="#">Mason Core</a> )	
<a href="#">PHYS 261</a>	University Physics II Laboratory ( <a href="#">Mason Core</a> )	
Option Two:		
<a href="#">PHYS 243</a>	College Physics I ( <a href="#">Mason Core</a> )	
<a href="#">PHYS 244</a>	College Physics I Lab ( <a href="#">Mason Core</a> )	
<a href="#">PHYS 245</a>	College Physics II ( <a href="#">Mason Core</a> )	
<a href="#">PHYS 246</a>	College Physics II Lab ( <a href="#">Mason Core</a> )	

Total Credits 8

### Mathematics Courses

<a href="#">MATH 113</a>	Analytic Geometry and Calculus I ( <a href="#">Mason Core</a> )	4
<a href="#">MATH 114</a>	Analytic Geometry and Calculus II	4
<a href="#">MATH 213</a>	Analytic Geometry and Calculus III	3
or <a href="#">STAT 250</a>	Introductory Statistics I ( <a href="#">Mason Core</a> )	
Total Credits		11

### Science Core Courses

<a href="#">GEOL 101</a>	Introductory Geology I ( <a href="#">Mason Core</a> )	4
<a href="#">GEOL 306</a>	Soil Science	3
<a href="#">EVPP 210</a>	Environmental Biology: Molecules and Cells	4
or <a href="#">BIOL 213</a>	Cell Structure and Function ( <a href="#">Mason Core</a> )	
Total Credits		11

### Supporting Science Electives

Select two courses from the following: 1		6-8
<a href="#">CHEM 458</a>	Chemical Oceanography	
or <a href="#">BIOL 309</a>	Introduction to Oceanography	

or <a href="#">EVPP 309</a>	Introduction to Oceanography
or <a href="#">GEOL 309</a>	Introduction to Oceanography
<a href="#">EVPP 301</a>	Environmental Science: Biological Diversity and Ecosystems
<a href="#">EVPP 445</a>	Principles of Environmental Toxicology
<a href="#">GEOL 305</a>	Environmental Geology
<a href="#">GEOL 313</a>	Hydrogeology
<a href="#">BIOL 305</a>	Biology of Microorganisms
& <a href="#">BIOL 306</a>	and Biology of Microorganisms Laboratory
or <a href="#">EVPP 305</a>	Environmental Microbiology Essentials
& <a href="#">EVPP 306</a>	and Environmental Microbiology Essentials Laboratory
<a href="#">GGS 302</a>	Global Environmental Hazards

Total Credits

6-8

1 The discipline sequences may be interchanged only with approval by the program coordinator.

The remaining credits are fulfilled by Mason Core requirements or general electives.

## Concentration in Analytical Chemistry (ANAC)

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The Analytical Chemistry concentration is designed to introduce and train students in modern aspects of analytical chemistry. Students who choose this program will be well prepared to run sophisticated analytical instruments in industry and research laboratories and to pursue an advanced degree specializing in analytical chemistry.

### Chemistry Courses

<a href="#">CHEM 211</a>	General Chemistry I ( <a href="#">Mason Core</a> )	3
<a href="#">CHEM 213</a>	General Chemistry Laboratory I ( <a href="#">Mason Core</a> )	1
<a href="#">CHEM 212</a>	General Chemistry II ( <a href="#">Mason Core</a> )	3
<a href="#">CHEM 214</a>	General Chemistry Laboratory II ( <a href="#">Mason Core</a> )	1
<a href="#">CHEM 313</a>	Organic Chemistry I	3
<a href="#">CHEM 314</a>	Organic Chemistry II	3
<a href="#">CHEM 315</a>	Organic Chemistry Lab I	2
<a href="#">CHEM 318</a>	Organic Chemistry Lab II	2
<a href="#">CHEM 321</a>	Quantitative Chemical Analysis	4
<a href="#">CHEM 331</a>	Physical Chemistry I	3
<a href="#">CHEM 332</a>	Physical Chemistry II	3
<a href="#">CHEM 336</a>	Physical Chemistry Lab I 1	2
<a href="#">CHEM 337</a>	Physical Chemistry Lab II	2
<a href="#">CHEM 422</a>	Instrumental Methods of Chemical Analysis	3
<a href="#">CHEM 423</a>	Instrumental Methods of Chemical Analysis Laboratory	2
<a href="#">CHEM 427</a>	Aquatic Environmental Chemistry	3
or <a href="#">CHEM 355</a>	Undergraduate Research	
or <a href="#">CHEM 451</a>	Special Projects in Chemistry	
or <a href="#">CHEM 452</a>	Special Projects in Chemistry	
<a href="#">CHEM 463</a>	General Biochemistry I	4
<a href="#">CHEM 441</a>	Properties and Bonding of Inorganic Compounds	3

<a href="#">CHEM 465</a>	Biochemistry Lab	2
or <a href="#">CHEM 445</a>	Inorganic Preparations and Techniques	
<a href="#">CHEM 424</a>	Principles of Chemical Separation	3
or <a href="#">CHEM 425</a>	Electroanalytical Chemistry	
Total Credits		52

1 Fulfills the writing intensive requirement.

### Physics Courses

<a href="#">PHYS 160</a>	University Physics I ( <a href="#">Mason Core</a> )	3
<a href="#">PHYS 161</a>	University Physics I Laboratory ( <a href="#">Mason Core</a> )	1
<a href="#">PHYS 260</a>	University Physics II ( <a href="#">Mason Core</a> )	3
<a href="#">PHYS 261</a>	University Physics II Laboratory ( <a href="#">Mason Core</a> )	1
Total Credits		8

### Mathematics Courses

<a href="#">MATH 113</a>	Analytic Geometry and Calculus I ( <a href="#">Mason Core</a> )	4
<a href="#">MATH 114</a>	Analytic Geometry and Calculus II	4
<a href="#">MATH 213</a>	Analytic Geometry and Calculus III	3
Total Credits		11

### Supporting Science Electives

Select 6 credits from the following: 6

<a href="#">BENG 101</a>	Introduction to Bioengineering
or <a href="#">STAT 250</a>	Introductory Statistics I ( <a href="#">Mason Core</a> )
<a href="#">ECE 101</a>	Introduction to Electrical and Computer Engineering
or <a href="#">CHEM 620</a>	Modern Instrumentation

Total Credits 6

The remaining hours are used to fulfill the Mason Core requirements and general elective courses.

[CDS 130](#) Computing for Scientists is required to fulfill the Mason Core IT requirement.

## Concentration in Biochemistry (BC)

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Students planning professional careers in biochemistry, the pharmaceutical industry, medicine, biotechnology, or related fields with a chemistry emphasis should choose this program instead of the Chemistry, BS without a concentration. This concentration provides students with a focus on biochemistry while retaining a strong chemistry foundation. Students are allowed to tailor the concentration to their interests with 9 credits of biology or chemistry elective credits.

### Chemistry Courses

<a href="#">CHEM 211</a>	General Chemistry I ( <a href="#">Mason Core</a> )	3
<a href="#">CHEM 213</a>	General Chemistry Laboratory I ( <a href="#">Mason Core</a> )	1
<a href="#">CHEM 212</a>	General Chemistry II ( <a href="#">Mason Core</a> )	3
<a href="#">CHEM 214</a>	General Chemistry Laboratory II ( <a href="#">Mason Core</a> )	1
<a href="#">CHEM 313</a>	Organic Chemistry I	3
<a href="#">CHEM 314</a>	Organic Chemistry II	3
<a href="#">CHEM 315</a>	Organic Chemistry Lab I	2



<a href="#">CHEM 318</a>	Organic Chemistry Lab II	2
<a href="#">CHEM 321</a>	Quantitative Chemical Analysis	4
<a href="#">CHEM 331</a>	Physical Chemistry I	3
<a href="#">CHEM 336</a>	Physical Chemistry Lab I 1	2
<a href="#">CHEM 446</a>	Bioinorganic Chemistry	3
<a href="#">CHEM 463</a>	General Biochemistry I	4
<a href="#">CHEM 464</a>	General Biochemistry II	3
<a href="#">CHEM 465</a>	Biochemistry Lab 1	2
Total Credits		39

1 Fulfills the writing intensive requirement.

### Mathematics Courses

<a href="#">MATH 113</a>	Analytic Geometry and Calculus I ( <a href="#">Mason Core</a> )	4
<a href="#">MATH 114</a>	Analytic Geometry and Calculus II	4
Total Credits		8

### Physics Courses

Select one option:		8
Option One:		
<a href="#">PHYS 243</a>	College Physics I ( <a href="#">Mason Core</a> )	
<a href="#">PHYS 244</a>	College Physics I Lab ( <a href="#">Mason Core</a> )	
<a href="#">PHYS 245</a>	College Physics II ( <a href="#">Mason Core</a> )	
<a href="#">PHYS 246</a>	College Physics II Lab ( <a href="#">Mason Core</a> )	
Option Two:		
<a href="#">PHYS 160</a>	University Physics I ( <a href="#">Mason Core</a> )	
<a href="#">PHYS 161</a>	University Physics I Laboratory ( <a href="#">Mason Core</a> )	
<a href="#">PHYS 260</a>	University Physics II ( <a href="#">Mason Core</a> )	
<a href="#">PHYS 261</a>	University Physics II Laboratory ( <a href="#">Mason Core</a> )	
Total Credits		8

### Biology Courses

<a href="#">BIOL 213</a>	Cell Structure and Function ( <a href="#">Mason Core</a> )	4
<a href="#">BIOL 305</a>	Biology of Microorganisms	3
<a href="#">BIOL 306</a>	Biology of Microorganisms Laboratory	1
Total Credits		8

### Approved Science Electives

Select 9 credits of approved science electives chosen from CHEM or BIOL courses numbered 302-499 1	9
Total Credits	9

1 Other science or math courses may be approved as electives, subject to prior approval of the undergraduate coordinator.

## Concentration in Materials Chemistry (MATC)

Students in the Materials Chemistry concentration explore nanostructures and how they relate to the macroscale physical and chemical properties of a material. Students interested in a career specializing in the synthesis and

characterization of materials, as well as applied areas of materials chemistry, obtain a firm foundation in this subfield of chemistry.

### Chemistry Courses

<u>CHEM 211</u>	General Chemistry I ( <u>Mason Core</u> )	3
<u>CHEM 213</u>	General Chemistry Laboratory I ( <u>Mason Core</u> )	1
<u>CHEM 212</u>	General Chemistry II ( <u>Mason Core</u> )	3
<u>CHEM 214</u>	General Chemistry Laboratory II ( <u>Mason Core</u> )	1
<u>CHEM 313</u>	Organic Chemistry I	3
<u>CHEM 314</u>	Organic Chemistry II	3
<u>CHEM 315</u>	Organic Chemistry Lab I	2
<u>CHEM 318</u>	Organic Chemistry Lab II	2
<u>CHEM 321</u>	Quantitative Chemical Analysis	4
<u>CHEM 331</u>	Physical Chemistry I	3
<u>CHEM 332</u>	Physical Chemistry II	3
<u>CHEM 336</u>	Physical Chemistry Lab I 1	2
<u>CHEM 337</u>	Physical Chemistry Lab II	2
<u>CHEM 441</u>	Properties and Bonding of Inorganic Compounds	3
<u>CHEM 445</u>	Inorganic Preparations and Techniques	2
<u>CHEM 472</u>	Modern Polymer Chemistry	3
Total Credits		40

### Mathematics Courses

<u>MATH 113</u>	Analytic Geometry and Calculus I ( <u>Mason Core</u> )	4
<u>MATH 114</u>	Analytic Geometry and Calculus II	4
<u>MATH 213</u>	Analytic Geometry and Calculus III	3
Total Credits		11

### Physics Courses

<u>PHYS 160</u>	University Physics I ( <u>Mason Core</u> )	3
<u>PHYS 161</u>	University Physics I Laboratory ( <u>Mason Core</u> )	1
<u>PHYS 260</u>	University Physics II ( <u>Mason Core</u> )	3
<u>PHYS 261</u>	University Physics II Laboratory ( <u>Mason Core</u> )	1
Total Credits		8

### Additional Science Courses

Choose 12 credits from the following:		12
<u>CHEM 355</u>	Undergraduate Research	
<u>CHEM 413</u>	Synthetic and Mechanistic Organic Chemistry	
<u>CHEM 422</u>	Instrumental Methods of Chemical Analysis	
<u>CHEM 423</u>	Instrumental Methods of Chemical Analysis Laboratory	
<u>CHEM 451</u>	Special Projects in Chemistry	
<u>CHEM 463</u>	General Biochemistry I	
<u>CHEM 465</u>	Biochemistry Lab	
<u>CHEM 471</u>	Solid State Chemistry	

[CHEM 480](#)

Fundamentals of Nanoscience and Nanomaterials

[BENG 240](#)

Biomaterials

[ME 313](#)

Material Science

Total Credits

12

[Chemistry Courses](#) [Mathematics Courses](#) [Physics Courses](#) [Biology Courses](#) [Approved Science Electives](#)

Retroactive  
Requirements  
Updates:

Plan of Study:

Honors  
Information:

## Honors in the Major

Chemistry majors who have completed prerequisites for [CHEM 455](#) Honors Research in Chemistry and [CHEM 456](#) Honors Research in Chemistry and have maintained an overall GPA of at least 3.00 in mathematics and science courses are eligible to enter the departmental honors program. To graduate with honors in chemistry, a student is required to maintain a minimum GPA of 3.00 in mathematics and science courses and successfully complete the two semesters of [CHEM 455](#) Honors Research in Chemistry and [CHEM 456](#) Honors Research in Chemistry with a minimum GPA of 3.50.

In order to apply for Chemistry Honors, please complete the [application](#) and submit it to the undergraduate coordinator.

### Additional Program Information

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

Courses offered via  
distance (if  
applicable):

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

Does any portion of this program occur off-campus?

No

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

No

Related  
Departments

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

Yes

**Please explain:**

Teacher licensure in conjunction with CEHD.

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

No

## Additional SCHEV & SACSCOC Information

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Are you changing the total number of credits required for this program?

Are you changing the delivery format in any way (e.g adding an online option)?

Are you adding/removing a licensure option which was approved by SCHEV?

Will any portion of this program be offered at an off-campus location?

Are you adding significant new content areas to the program?

Will this program change affect any specialized accreditation?

## Green Leaf Program Designation

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Is this a Green Leaf program? No

Does this program cover material which crosses into another department?

No

**Additional Attachments**

[UGC-COS\\_Program-Mod-bschemenvironmental\\_001.pdf](#)

[UGC-COS-Program-Mod-bschemanalytical\\_001.pdf](#)

[UGC-COS-Program-Mod-bschemdele\\_001\[2\].pdf](#)

[UGC-COS-Program-Mod-bschemed\\_001.pdf](#)

[CHEMtermfrommajorapproval.pdf](#)

## SCHEV Proposal

### Executive Summary

### Reviewer

### Comments

**Megan Erb (msikowit) (10/06/20 9:03 am):** Rollback: I can't seem to edit, but the CHEM 472 credits aren't included in the total CHEM credits needed for the degree. Can you update that? It is 3 credits and the CHEM credits should then add up to 40.

### Additional Comments

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

%wi\_required.eshtml%

Key: 36