

Program Change Request

Date Submitted: 09/28/21 11:39 am

Viewing: : **Chemistry, BS/Chemistry, Accelerated MS**

Last approved: 03/02/21 12:36 pm

Last edit: 09/28/21 11:39 am

Changes proposed by: jbazaz

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

Rationale for

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

No

Effective Catalog: 2022-2023
Program Level: Undergraduate & Graduate (BAMs)
Program Type: Bachelor's/Accelerated Master's

Title:
Chemistry, BS/Chemistry, Accelerated MS

Is this a retitling of

Existing Program
Registrar/OAPI Use

Registrar's Office
Use Only –
Program Start Term

Registrar/OAPI Use

Registrar/OAPI Use
Only – SACSCOC
Status

In Workflow

1. Registrar-Programs:Workflow Review
2. CHEM Assoc Chair
3. CHEM Chair
4. SC Curriculum Committee
5. SC Associate Dean
6. Assoc Provost-Graduate
7. Assoc Provost-Undergraduate
8. Registrar-Programs

Approval Path

1. 09/30/21 10:01 am
Tory Sarro (vsarro):
Approved for Registrar-Programs:Workflow Review
2. 09/30/21 10:12 am
Megan Erb (msikowit):
Approved for CHEM Assoc Chair
3. 09/30/21 10:25 am
Gerald Weatherspoon (grobert1):
Approved for CHEM Chair

History

Concentration(s):

INTO Major(s)

**Registrar/IRR Use
Only –****College/School:** College of Science**Department /
Academic Unit:** Chemistry & Biochemistry**Jointly Owned
Program?** Yes**Participating
Colleges****Participating
Departments****Justification**

What: Adding clarifying language about the 12 overlapping credits.

Why: It was noted that the sentence could be clearer, indicating that the 12 credits count toward both the undergraduate AND graduate degrees.

1. Oct 30, 2017 by
clmig-jwehrheim
2. Mar 2, 2021 by
Jennifer Bazaz
Gettys (jbazaz)

Catalog Published Information**Total Credits****Registrar's Office Use Only - Program Code:****Registrar/IRR Use****Only - Program Code****Admission****Requirements:****Program-Specific
Policies:**

Degree Requirements:

Retroa

Plan of Study:

Honors Information:

Accelerated Description/Dual Degree Description:

Chemistry, BS/Chemistry, Accelerated MS

Overview

This bachelor's/accelerated master's degree program allows academically strong undergraduates with a commitment to advance their education to obtain both the [Chemistry, BS](#) and the [Chemistry, MS](#) degrees within an accelerated timeframe. Upon completion of this 138 credit accelerated program, students will be exceptionally well prepared for entry into their careers or into a doctoral program in the field or in a related discipline. Students are eligible to apply for this accelerated program once they have earned at least 60 undergraduate credits. They will be able to enroll in up to 18 credits of graduate coursework after successfully completing 75 undergraduate credits. This flexibility makes it possible for students to complete a bachelor's and a master's in five years.

For more detailed information, see [AP.6.7 Bachelor's/Accelerated Master's Degrees](#). For policies governing all graduate degrees, see [AP.6 Graduate Policies](#). For more information on undergraduates enrolling in graduate courses, see [AP.1.4.4 Graduate Course Enrollment by Undergraduates](#).

Application Requirements

Applicants to all graduate programs at George Mason University must meet the admission standards and application requirements for graduate study as specified in the [Graduate Admission Policies](#) section of this catalog. Important application information and processes for this accelerated master's program can be found [here](#). Students should seek out the graduate program's advisor who will aid in choosing the appropriate graduate courses and help prepare the student for graduate studies.

Successful applicants will have earned 60 undergraduate credits and have an overall GPA of at least 3.00.

Additionally, they will have completed 36 credits of CHEM courses with a GPA of at least 3.00.

Accelerated Option Requirements

After the completion of 75 undergraduate credits, students may complete 3 to 12 credits of graduate coursework that can apply to both the undergraduate and graduate degrees.

In addition to applying to graduate from the undergraduate program, students in the accelerated program must submit a bachelor's/accelerated master's transition form (available from the [Office of the University Registrar](#)) to the [College of Science's Office of Academic and Student Affairs](#) by the last day to add classes of their final undergraduate semester. Students should enroll for courses in the master's program in the fall or spring semester immediately following conferral of the bachelor's degree, but should contact an advisor if they would like to defer up to one semester.

Students must maintain an overall GPA of 3.00 or higher in all graduate coursework and should consult with their faculty advisor to coordinate their academic goals.

Reserve Graduate Credit

Accelerated master's students may also take up to 6 graduate credits as reserve graduate credits. These credits do not apply to the undergraduate degree, but will reduce the master's degree by up to 6 credits. With 12 graduate credits counted toward the undergraduate **and graduate degrees** ~~degree~~ plus the maximum 6 reserve **graduate** ~~graduate~~ credits, the credits necessary for the **graduate degree** ~~graduate-degree~~ can be reduced by up to 18.

Graduate Course Suggestions

The following list of suggested courses is provided for general reference. To ensure an efficient route to graduation and post-graduation readiness, students are strongly encouraged to meet with an advisor before registering for graduate-level courses.

[CHEM 633](#) Chemical Thermodynamics and Kinetics 1

For Students Interested in the Environmental Sciences

[CHEM 627](#) Aquatic Environmental Chemistry

[CHEM 651](#) Environmental Chemistry of Organic Substances

For Students Interested in Biochemistry

[CHEM 567](#) The Chemistry of Enzyme-Catalyzed Reactions

[CHEM 660](#) Protein Biochemistry

For Students Interested in Organic Chemistry

[CHEM 568](#) Bioorganic Chemistry

[CHEM 613](#) Modern Polymer Chemistry

[CHEM 614](#) Physical Organic Chemistry

For Students Interested in Inorganic Chemistry

[CHEM 641](#) Solid State Chemistry

[CHEM 646](#) Bioinorganic Chemistry

For Students Interested in Analytical Chemistry

[CHEM 624](#) Principles of Chemical Separation

[CHEM 625](#) Electroanalytical Chemistry

For Students Interested in Materials Science

[CHEM 680](#) Fundamentals of Nanoscience and Nanomaterials

1This course covers the advanced concepts necessary to understand the mechanism and kinetics of chemical reactions.

**INTO-Mason
Requirements:**

**College
Requirements &
Policies:**

Department /
Academic Unit
Requirements &
Policies:

Program Outcomes

Additional Program Information

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

Courses offered via
distance / if

Indicate whether
students are able

What is the
primary delivery
format for the
program?

Does any portion of this program occur off-campus?

Off-campus details:

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

Please explain:

Additional SCHEV & SACSCOC Information

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?

What off-campus location(s)? List all

What percentage of credits toward this program are offered at the off-campus location?
Please list percentages by site (i.e. 15% at Site A, 35% at Site B etc.)

Will this program change affect any specialized accreditation?

Is the content of the new program closely related to that of an existing approved program?

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 the higher degree level)?

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 degree level)?

OAPI Use Only – Determination of SACSCOC Impact

Comments or Notes

Green Leaf Program Designation

Is this a Green Leaf program?**Green Leaf**

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**Relationship to****List sustainability-focused courses currently required**

Sustainability-related academic programs either require at least one sustainability-related

Does this program cover material which crosses into another department?

Impacted

Departments

Additional Attachments

SCHFV Proposal

Executive Summary

Reviewer Comments

Additional Comments

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

%wi_required.eshtml%

Attached
Document

Key: 95