Program Change Request

Date Submitted: 03/04/22 12:50 pm

Viewing: : Neuroscience, BS/Biology, Accelerated MS

Last approved: 03/04/22 8:34 am

Last edit: 03/04/22 12:50 pm

Changes proposed by: jbazaz

Catalog Pages Using this Program

Neuroscience, BS

Biology, MS

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

Yes

Requestor:

In Workflow

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

Approval Path

1. 03/04/22 4:28 pm Tory Sarro (vsarro): Approved for Registrar-Programs:Workflow Review
2. 03/09/22 1:20 pm Iosif Vaisman (ivaisman): Approved for SSB Program Chair
3. 03/09/22 1:29 pm Saleet Jafri (sjafri): Approved for NEUR Chair

History

1. Feb 7, 2019 by Jennifer Bazaz

Gettys (jbazaz)
2. Mar 21, 2019 by Tory Sarro (vsarro)
3. Sep 30, 2019 by Tory Sarro (vsarro)
4. Mar 16, 2020 by Johanna Riemen (jriemen)
5. Mar 2, 2021 by Jennifer Bazaz Gettys (jbazaz)
6. Mar 15, 2021 by Johanna Riemen (jriemen)
7. Mar 4, 2022 by Jennifer Bazaz Gettys (jbazaz)

Name	Extension	Email
Diane St. Germain	4263	dstgerma

Effective Catalog: 2022-2023

Program Level: Undergraduate & Graduate (BAMs)

Program Type: Bachelor's/Accelerated Master's

Title: Neuroscience, BS/Biology, Accelerated MS

Pricing: See https://gse.gmu.edu/digitalbadgepricing/fees-ms

Estimated Number of Badges Expected to be Issued:

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

Concentration(s):

INTO Major(s):

Registrar/IRR Use Only –

College/School:	College of Science
Department / Academic Unit:	School of Systems Biology
Jointly Owned Program?	Yes

Participating Colleges

	College
1	College of Science

Participating Departments

	Department
1	Interdisciplinary Neuroscience Program

Justification

What: Reducing the letters of recommendation to two.

Why: To ease the path into the program while still receiving enough information to make an informed decision.

Catalog Published Information

Registrar's Office Use Only - Program Code:

Registrar/IRR Use Only - Program CIP

Admission Requirements:

Program-Specific Policies:

Degree Requirements:

Plan of Study:

Honors Information:

Accelerated Description/Dual Degree Description:

Neuroscience, BS/Biology, 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 Neuroscience, BS and the Biology, 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 and can 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.

GRE scores are not required for students in this accelerated program.

Students must obtain a graduate faculty advisor prior to beginning graduate coursework.

Successful applicants will have an overall undergraduate GPA of at least 3.10. **Two** ~~Three~~ letters of recommendation, including one from a prospective thesis or project advisor, are required. Additionally, they will

have completed2 the following courses with a GPA of 3.001 or higher:

BIOL 213	Cell Structure and Function (Mason Core)	4
One Course in Statistics:		3-4
BIOL 214	Biostatistics for Biology Majors	
or STAT 250	Introductory Statistics I (Mason Core)	
or PSYC 300	Statistics in Psychology	
or MATH 352	Statistics	
BIOL 311	General Genetics	4
CHEM 313	Organic Chemistry I	5
& CHEM 315	and Organic Chemistry Lab I 1	
NEUR 327	Cellular Neuroscience 2	3

1 Grades of 2.50 in CHEM 313 Organic Chemistry I and CHEM 315 Organic Chemistry Lab I are acceptable for admission into this accelerated pathway.

2 Registration in, as opposed to completion of, NEUR 327 Cellular Neuroscience is sufficient.

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 plus the maximum 6 reserve graduate credits, the credits necessary for the 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.

BIOL 682	Advanced Eukaryotic Cell Biology	3
BIOL 689	Interdisciplinary Tools in the Biosciences	3
BIOL 690	Introduction to Graduate Studies in Biology	1-2

BIOL 695	Seminar in Molecular, Microbial, and Cellular Biology	1
NEUR 612	Neuroethics	3
NEUR 601	Developmental Neuroscience	3
NEUR 602	Cellular Neuroscience	3
NEUR 603	Mammalian Neuroanatomy	3
NEUR 634	Neural Modeling	3
NEUR 651	Molecular Neuropharmacology	3

INTO-Mason Requirements:

College Requirements & Policies:

Department / Academic Unit Requirements & Policies:

Program Outcomes

Additional Program Information

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:

Related Departments

Could this program prepare students for any type of professional licensure, in

Additional SCHEV & SACSCOC Information

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 approv program" (i.e. existing content is at lower degree level, new content is at the higher

Which existing approved program(s)?

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

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

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

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)?

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.)

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

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 in the degree

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

List sustainability-

Does this program cover material which crosses into another department?

Impacted Departments

Additional Attachments EDITED ProgramApprovalForm_COSCC-1 - ACCEL NEURO to MS.pdf

SCHEV Proposal Executive Summary

Reviewer Comments

Additional Comments

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

%wi_required.eschtml%

Attached Document

Key: 748