

Date Submitted: 12/08/20 2:06 pm

# Viewing: : Neuroscience, BS/Biology, Accelerated MS

Last approved: 03/16/20 4:06 pm

Last edit: 12/08/20 2:06 pm

Changes proposed by: jbazaz

### Catalog Pages Using this Program

- [Neuroscience, BS](#)
- [Biology, MS](#)

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

No

Effective Catalog: 2021-2022

Program Level: Undergraduate & Graduate (BAMs)

Program Type: Bachelor's/Accelerated Master's

Title: Neuroscience, BS/Biology, Accelerated MS

### Registrar's Office Use Only – Program Start Term

### Registrar/OAPI Use Only – SACSCOC Status

Concentration(s):

College/School: College of Science

Department / Academic Unit: School of Systems Biology

Jointly Owned Program? Yes

Participating Colleges

	<b>College</b>
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### In Workflow

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

### 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)

**Participating  
Departments**

	<b>College</b>
1	College of Science

  

	<b>Department</b>
1	Interdisciplinary Neuroscience Program

**Justification**

Updating this BAM pathway to accommodate the new policy revisions: 1. Ability to complete programs in 138 credits, 2. Admission into BAM program by at least 60 UG credits, 3. Removing GRE requirement, 4. Begin graduate coursework at 75 UG credits, 5. Allow 3-12 credits to be applied to the UG and GR degree, 6. Including a curated list of graduate courses. 7. Removing completion of organic chemistry and genetic courses upon admission as they're taken late in UG studies.

Inserting a college "template" for BAM entries so that the college has consistent and clear messaging.

## Catalog Published Information

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**Accelerated  
Description/Dual  
Degree  
Description:**

# Neuroscience, BS/Biology, Accelerated MS

## Overview

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**This bachelor's/accelerated master's degree program allows academically strong Qualified undergraduates with a commitment to advance their education to ~~may be admitted into an accelerated master's program and~~ obtain both the ~~a~~-Neuroscience, BS and the ~~a~~-Biology, MS degrees within an accelerated timeframe. ~~time-frame:~~ 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 ~~admitted~~ to apply for this accelerated program once they have earned at least 60 ~~may take graduate courses after completing 90~~ undergraduate credits ~~credits~~, and can enroll in up to 18 credits ~~6-credits~~ of graduate coursework after successfully completing 75 ~~work may be used in partial satisfaction of the requirements for the~~ undergraduate credits. degree: **This flexibility makes it possible for If students to complete earn at least a bachelor's and a 3.00-GPA in these classes, they are granted advanced standing in the master's in five years. program and must then complete an additional 24 credits to receive the master's degree.****

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](#).

## ~~All other master's degree requirements must be met, including a minimum of 18 credits taken for the master's after the bachelor's degree is complete.~~ Application Requirements

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Applicants to all graduate programs at George Mason University must meet the admission standards and application requirements for graduate study as specified in ~~the~~ [the Graduate Admission Policies section](#) of this catalog.

**Important application** ~~Application~~ information **and processes** for this accelerated master's program can be found ~~here~~ [found on the School of Systems Biology's website](#).

**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. Three letters of recommendation, including one from a prospective thesis or project advisor, are required. Additionally, they will have completed the following courses with a GPA of 3.00 or higher:

<a href="#">BIOL 213</a>	Cell Structure and Function ( <a href="#">Mason Core</a> )	4
One Course in Statistics:		3-4
<a href="#">BIOL 214</a>	Biostatistics for Biology Majors	
or <a href="#">STAT 250</a>	Introductory Statistics I ( <a href="#">Mason Core</a> )	
or <a href="#">PSYC 300</a>	Statistics in Psychology	
or <a href="#">MATH 352</a>	Statistics	
<a href="#">BIOL 308</a>	Foundations of Ecology and Evolution	5
or <a href="#">NEUR 327</a>	Cellular, Neurophysiological, and Pharmacological Neuroscience	
<a href="#">NEUR 335</a>	Molecular, Developmental, and Systems Neuroscience	3
<del><a href="#">BIOL 311</a></del>	<del>General Genetics</del>	<del>4</del>
<del><a href="#">CHEM 313</a></del>	<del>Organic Chemistry I</del>	<del>3</del>
<del><a href="#">CHEM 315</a></del>	<del>Organic Chemistry Lab I</del>	<del>2</del>

## Accelerated Option Requirements

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~~After~~ **At the completion** ~~beginning~~ of **75** ~~the student's final~~ undergraduate **credits, semester**, students **may complete 3 to 12 credits** ~~must submit a bachelor's/accelerated master's transition form (available from the Office of graduate coursework that can apply to both the undergraduate~~ ~~the University Registrar)~~ ~~to the College of Science's Office of Academic~~ and **graduate degrees. Student Affairs:**

**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 ~~must begin their master's program~~ in the master's program in ~~semester immediately following conferral of~~ 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. ~~degree:~~

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.

## 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.

<u><a href="#">BIOL 682</a></u>	Advanced Eukaryotic Cell Biology	3
<u><a href="#">BIOL 689</a></u>	Interdisciplinary Tools in the Biosciences	3
<u><a href="#">BIOL 690</a></u>	Introduction to Graduate Studies in Biology	1-2
<u><a href="#">BIOL 695</a></u>	Seminar in Molecular, Microbial, and Cellular Biology	1
<u><a href="#">NEUR 612</a></u>	Neuroethics	3
<u><a href="#">NEUR 601</a></u>	Developmental Neuroscience	3
<u><a href="#">NEUR 602</a></u>	Cellular Neuroscience	3
<u><a href="#">NEUR 603</a></u>	Mammalian Neuroanatomy	3
<u><a href="#">NEUR 634</a></u>	Neural Modeling	3
<u><a href="#">NEUR 651</a></u>	Molecular Neuropharmacology	3

~~After completing 120 credits and all requirements for the bachelor's degree and filing the Graduation Intent Form, students are awarded a bachelor's degree. Additional Requirements Satisfactory performance in undergraduate coursework must be maintained Satisfactory graduate-level performance in each approved graduate course taken while in undergraduate status (receiving a grade of B or better (3.0 or higher) in each course). Submission of documents to complete the master's application before the published deadline, including a goals statement and a resume. GRE scores are not required. Completion of undergraduate degree from George Mason University. Confirmation of a graduate faculty advisor.~~

### Program Outcomes

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

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Comments or Notes

**Additional Attachments**      [EDITED ProgramApprovalForm\\_COSCC-1 - ACCEL NEURO to MS.pdf](#)

**Reviewer  
Comments**

**Additional  
Comments**

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

%wi\_required.eshtml%

Key: 748