Program Change Request

Date Submitted: 04/12/22 11:06 am

Viewing: **SC-PHD-NEUR : Neuroscience, PhD**

Last approved: 03/04/21 3:22 pm

Last edit: 04/12/22 11:06 am

Changes proposed by: jbazaz

Catalog Pages Using this Program

[Neuroscience, PhD](#)

No Longer
Anticipated closure
Rationale for

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

Yes

Requestor:

Name	Extension	Email
Ginny Scott	4334	gscott21

Effective Catalog: 2022-2023

Program Level: Graduate

Program Type: Doctoral

Degree Type: Doctor of Philosophy

Title: Neuroscience, PhD

2. What evidence was used to iden
3. Have you ensured there are no oth
a. Has CPE confirmed the proposed ba
b. Has the instructor(s) for this badge ex
d. Is the assessment aligned
f. Does this badge provide a benefit for cu
5. Is this badge co-sponsored with another
a. What is the organization, program, or dep

Earning Criteria

Course:
Badge:
Participant:
Payment:
Portfolio:
Presentation:
Assessment:
Credential:
Education
Other:
Project:
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://cpe.gmu.edu/digitalbadgepricing/ for more information
Estimated Number of Badges Expected to be Issued:

Notes:

- All badge requests will be routed to CPE for review and approval. Please all

- A Mason Digital Credentials Advisory Group may be developed to review bad

Banner Title:	Neuroscience, PhD
Is this a retitling of an existing program?	
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):

INTO Major(s):

Registrar/IRR Use Only – Concentration CIP Code

College/School: College of Science

Department / Academic Unit: Interdisciplinary Neuroscience Program

Jointly Owned Program?   No

Participating

Participating

Justification   What: Expanding upon the elective credits narrative.

Why: The current statement is incomplete.

Catalog Published Information

Total Credits Required: Total credits: 72

Registrar's Office Use Only - Program Code:

SC-PHD-NEUR

Registrar/IRR Use Only – Program CIP Code

Admission Requirements:

Admissions

University-wide admissions policies can be found in the Graduate Admissions Policies section of this catalog.

To apply for this program, please complete the George Mason University Admissions Application.

Applicants should have a bachelor's degree in a relevant field and undergraduate courses in organic chemistry, cell biology, and calculus. Coursework in biochemistry (e.g. BIOL 483 General Biochemistry), cell biology (e.g. BIOL 484 Cell Signaling and Disease), and molecular genetics (e.g. BIOL 482 Introduction to Molecular Genetics) is highly recommended. Admission requires a minimum GPA of 3.25 in undergraduate work and acceptable GRE scores. The GRE exam is waived if applicants hold a master's degree from an institution of higher education accredited by a Mason-recognized U.S. institutional accrediting agency or international equivalent at the time of their application. In addition, the applicant's goal statement should relate to the research interests of at least one faculty member in the program and include the names of two faculty members who may be suitable as advisors or supervisory committee members.

To apply, complete the George Mason University Admissions Application, supply a goal statement, two copies of official transcripts from each college and graduate institution attended, three letters of recommendation from faculty members or individuals who have firsthand knowledge of the applicant's academic or research capabilities, and an official report of scores obtained on the GRE-GEN. The GRE-SUB is optional. TOEFL scores are required of all international applicants.

Program-Specific Policies:

Policies

For policies governing all graduate programs, see AP.6 Graduate Policies.

Reduction of Credits

For students entering the doctoral program with a master's degree in a related field from an institution of higher education accredited by a Mason-recognized U.S. institutional accrediting agency or international equivalent, the number of required credits may be reduced up to 30 credits, subject to approval of the program faculty and the college's associate dean for student affairs. See AP.6.5.2 Reduction of Credits for more information.

Transfer of Credit

An alternative to the reduction of credit is a transfer of credit. With this option, up to 24 credits of previous, relevant graduate coursework may be transferred into the program, provided those credits have not been applied toward a previous degree.

Degree Requirements:

Students should refer to the Admissions & Policies tab for specific policies related to this program.

Doctoral Coursework

Core Science

NEUR 702	Research Methods	3
Select one statistics course from the following:		3-4
ECE 528	Introduction to Random Processes in Electrical and Computer Engineering	
PSYC 611	Advanced Statistics	
STAT 535	Analysis of Experimental Data	
STAT 544	Applied Probability	
STAT 554	Applied Statistics I	

Core Neuroscience

NEUR 601	Developmental Neuroscience	3
NEUR 602	Cellular Neuroscience	3
NEUR 603	Mammalian Neuroanatomy	3
NEUR 701	Neuroscience Laboratory	3

Rotations and Readings   9

NEUR 703	Laboratory Rotation and Readings (This course will be taken three times)	

Electives

Select 20-21 credits of electives or independent research to provide further substantive or methodological specialization as needed. Courses must be approved by the student's advisor.	20-21
Elective course options for students interested in attaining professional skills include:	
COS 600 Multidisciplinary Problem Solving and Leadership	
Complete the Business Fundamentals Graduate Certificate and receive both the graduate certificate and the Neuroscience PhD upon completion of both programs' requirements.	
Total Credits	47-49

Publication

An additional requirement for graduation calls for students to have at least one publication (in print or in press) in a refereed journal.

Doctoral Committee and Proposal

When coursework is nearing completion, the student should form a doctoral committee of at least three graduate faculty members and start preparing their dissertation proposal. Students in consultation with their advisor identify which faculty are appropriate to be a part of their committee. The dissertation committee administers the qualifying exam and evaluates the dissertation proposal as well as the dissertation itself. At least one of the committee members must be outside of the dissertation advisor's department.

Candidacy Examination and Advancement to Candidacy

The doctoral candidacy examination includes written and oral components. After passing the candidacy exam and receiving committee approval for the dissertation proposal, the student is advanced to doctoral candidacy.

Dissertation Research

Note: No more than 24 combined credits from NEUR 998 Dissertation Proposal and NEUR 999 Doctoral Dissertation may be applied toward satisfying doctoral degree requirements, with no more than 12 credits of NEUR 998 Dissertation Proposal.

Select 24 credits from the following:		24
NEUR 998	Dissertation Proposal	
NEUR 999	Doctoral Dissertation	
Total Credits		24

Retroactive Requirements Updates:

Plan of Study:

Honors Information:

**Accelerated
Description/Dual
Degree
Description:**

**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
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

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 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)?

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   No
program?

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
substance equivalent to a sustainability-focused course.

Relationship to
Existing Courses

Relationship to
Existing Programs

List sustainability-
focused courses
currently required
in the degree

Sustainability-related academic programs either require at least one sustainability-related
course or else 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

Additional Attachments

SCHEV Proposal

Executive Summary

Reviewer Comments

Additional Comments

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

%wi_required.eschtml%

Attached Document

%attach_document.eschtml%

Key: 509