Program Change Request

Date Submitted: 11/08/19 11:35 am

Viewing: SC-PHD-NEUR : Neuroscience, PhD

Last approved: 01/24/19 12:27 pm

Last edit: 11/12/19 12:05 pm

Changes proposed by: jbazaz

Catalog Pages Using this Program	Neuroscience, PhD

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

Yes

Requestor:

Name	Extension	Email
Saleet Jafri	8420	sjafri

Effective Catalog:	2020-2021
Program Level:	Graduate
Program Type:	Doctoral
Degree Type:	Doctor of Philosophy
Title:	Neuroscience, PhD
Banner Title:	Neuroscience, PhD
Registrar/OAPI Use Only – SCHEV Status	Approved

In Workflow

1. **NEUR Chair**
2. **SC Curriculum Committee**
3. SC Associate Dean
4. SC CAT Editor
5. Assoc Provost-Graduate
6. Registrar-Programs: Duration
7. Registrar-Programs

Approval Path

1. 01/14/20 10:06 am Saleet Jafri (sjafri): Approved for NEUR Chair

History

1. Nov 14, 2017 by clmig-jwehrheim
2. Jan 24, 2019 by Tory Sarro (vsarro)

Registrar's Office Use Only – Program Start Term	
Registrar/OAPI Use Only – SCHEV Letter	
Concentration(s):	
Registrar/IRR Use Only – Concentration CIP Code	
College/School:	College of Science
Department / Academic Unit:	Interdisciplinary Neuroscience Program
Jointly Owned Program?	No
Academic Themes:	
Justification	Adding COS 600 as an elective option, as well as allowing the option for completing the Business Fundamentals Graduate Certificate.

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. 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 a regionally accredited institution, 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

Course List

Code	Title	Credits
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		20-21
Students interested in attaining professional skills may choose the following:		
COS 600	**Multidisciplinary Problem Solving and Leadership**	

Code	Title	Credits
	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 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.

Course List

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

Retroactive Requirements Updates:

Plan of Study:

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	**Face-to-Face Only**

format for the program?

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?

No

Are you adding or removing a licensure component?

No

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?

Are you adding significant new content areas to the program?

Will this program change affect any specialized accreditation?

Green Leaf Program Designation

Is this a Green Leaf program? No

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%

Key: 509