

Program Change Request

Date Submitted: 02/21/23 1:41 pm

Viewing: **NEUR : Neuroscience Minor**

Last approved: 05/13/22 10:11 am

Last edit: 02/24/23 8:37 am

Changes proposed by: gscott21

**Catalog Pages
Using this Program**
[Neuroscience Minor](#)

Anticipated clo

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

Yes

Requestor:

In Workflow

1. **NEUR Chair**
2. **SC Curriculum Committee**
3. SC Associate Dean
4. Assoc Provost- Undergraduate
5. Registrar-Programs

Approval Path

1. 10/21/22 10:13 am
Saleet Jafri (sjafri):
Approved for NEUR Chair
2. 10/28/22 11:23 am
Gregory Craft (gcraft): Approved for SC Curriculum Committee
3. 11/02/22 10:57 am
Jennifer Bazaz Gettys (jbazaz): Approved for SC Associate Dean
4. 11/15/22 10:07 am
Krista Shires (kshires): Rollback to SC Associate Dean for Assoc Provost- Undergraduate
5. 11/22/22 12:04 pm
Jennifer Bazaz Gettys (jbazaz): Approved for SC Associate Dean

- 6. 01/19/23 2:55 pm
Krista Shires
(kshires): Approved
for Assoc Provost-
Undergraduate
- 7. 02/21/23 12:10 pm
Deborah Mcgarrah
(dmcgarra):
Rollback to Initiator
- 8. 02/21/23 4:11 pm
Saleet Jafri (sjafri):
Approved for NEUR
Chair

History

- 1. Nov 14, 2017 by
clmig-jwehrheim
- 2. Jan 17, 2019 by
Jennifer Bazaz
Gettys (jbazaz)
- 3. Mar 4, 2019 by Tory
Sarro (vsarro)
- 4. Mar 3, 2021 by
Ginny Scott
(gscott21)
- 5. May 13, 2022 by
Tory Sarro (vsarro)

Name	Extension	Email
Gwendolyn Lewis	3-6239	glewis13@gmu.edu

Effective Catalog: 2023-2024

Program Level: Undergraduate

Program Type: Minor

Title: Neuroscience Minor

What is the justification for this program?
 What is the program's purpose?
 How does this program align with the college's mission?
 How does this program align with the university's mission?
 How does this program align with the state's mission?
 How does this program align with the national mission?
 How does this program align with the global mission?
 How does this program align with the regional mission?
 How does this program align with the local mission?
 How does this program align with the community mission?
 How does this program align with the industry mission?
 How does this program align with the professional mission?
 How does this program align with the academic mission?
 How does this program align with the research mission?
 How does this program align with the service mission?
 How does this program align with the leadership mission?
 How does this program align with the innovation mission?
 How does this program align with the entrepreneurship mission?
 How does this program align with the social entrepreneurship mission?
 How does this program align with the social impact mission?
 How does this program align with the social responsibility mission?
 How does this program align with the social justice mission?
 How does this program align with the social equity mission?
 How does this program align with the social inclusion mission?
 How does this program align with the social mobility mission?
 How does this program align with the social empowerment mission?
 How does this program align with the social transformation mission?
 How does this program align with the social change mission?
 How does this program align with the social development mission?
 How does this program align with the social progress mission?
 How does this program align with the social well-being mission?
 How does this program align with the social happiness mission?
 How does this program align with the social peace mission?
 How does this program align with the social harmony mission?
 How does this program align with the social stability mission?
 How does this program align with the social order mission?
 How does this program align with the social justice mission?
 How does this program align with the social equity mission?
 How does this program align with the social inclusion mission?
 How does this program align with the social mobility mission?
 How does this program align with the social empowerment mission?
 How does this program align with the social transformation mission?
 How does this program align with the social change mission?
 How does this program align with the social development mission?
 How does this program align with the social progress mission?
 How does this program align with the social well-being mission?
 How does this program align with the social happiness mission?
 How does this program align with the social peace mission?
 How does this program align with the social harmony mission?
 How does this program align with the social stability mission?
 How does this program align with the social order mission?

Estimated Number of Badges Expected to be Issued:
 A Mason Digital Credentials Advisory Group may be developed.

Banner Title: Neuroscience Minor

Is this a retitling of an existing program?

Existing Program

Registrar/OAPI Use Only – SACSCOC

Registrar's Office Use Only –

Program Start Term

Registrar/OAPI Use Only – SACSCOC

Registrar/OAPI Use Only – SACSCOC Status

Concentration(s)

INTO Major(s)

Registrar/IRR Use Only –

College/School: College of Science

Department / Academic Unit: Interdisciplinary Neuroscience Program

Jointly Owned Program? No

Participating

Justification

What: Adding additional elective options to NEUR minor.

Why: To ease and enhance student advising.

Catalog Published Information

Total Credits Required: Total credits: 21-22

Registrar's Office Use Only - Program Code:
NEUR

Registrar/IRR Use Only – Program CIP Code

Admission Requirements:

Program-Specific Policies:

Policies

Eight credits of coursework must be unique to the minor. For policies governing all minors, see [AP.5.3.4 Minors](#). For policies governing all undergraduate programs, see [AP.5 Undergraduate Policies](#).

Degree Requirements:

Students should refer to the [Admissions & Policies](#) tab for specific policies related to this minor. Students must complete at least 21 credits of coursework with a minimum GPA of 2.00.

Biology Courses

BIOL 213	Cell Structure and Function	4
Total Credits		4

Psychology Courses

PSYC 373	Biopsychology Laboratory	2
PSYC 375	Brain and Sensory Processes	3
PSYC 376	Brain and Behavior	3
Total Credits		8

Neuroscience Courses

NEUR 327	Cellular Neuroscience	3
NEUR 335	Developmental and Systems Neuroscience	3

Electives

Choose one from the following: 1

3-4

BIOL 311	General Genetics
BIOL 320	Comparative Chordate Anatomy
BIOL 322	Developmental Biology
BIOL 326	Animal Physiology
BIOL 425	Human Physiology
BIOL 430	Advanced Human Anatomy and Physiology I
NEUR 101	Introduction to Neuroscience (Mason Core)
NEUR 328	Cellular Neuroscience Lab
NEUR 405	RS: Laboratory Methods in Behavioral Neuroscience
NEUR 406	Zebrafish Neurodevelopment Laboratory
NEUR 407	Lab Investigations Using Voltage Clamp Electrophysiology
NEUR 410	Current Topics in Neuroscience
NEUR 411	Seminar in Neuroscience
NEUR 422	Glutamatergic Systems
NEUR 424	Sleep and Circadian Rhythms (Mason Core)
NEUR 440	Independent Study in Neuroscience
NEUR 461	Special Topics in Neuroscience
NEUR 473	Current Neuroscience Research in Germany (Mason Core)
NEUR 480	Biological Bases of Alzheimer's Disease

Any other NEUR course

Total Credits

3-4

1 Elective courses not on this list must be approved by the director of the program.

**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

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 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 o

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 of delivery for this program?

What is the new method of delivery?

Does this change include the addition of a course/credit-based competency-based

OAPI Use Only – Determination of SACSCOC Impact

Comments or Notes

Green Leaf Program Designation

Is this a Green Leaf program? No

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

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

Impacted Departments

Additional Attachments

SCHEV Proposal Executive Summary

Reviewer Comments

Krista Shires (kshires) (11/15/22 10:07 am): Rollback: rollback requested by unit
Deborah Mcgarrah (dmcgarra) (02/21/23 12:10 pm): Rollback: IPN wanted to add a couple lines to the minor catalog requirements per Ginny Scott.

**Additional
Comments**

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

%wi_required.eshtml%

**Attached
Document**

Key: 510