

# Cover Sheet: Request 10510

## Behavioral and Cognitive Neuroscience

### Info

Process	Specialization New/Modify/Close Ugrad
Status	Pending
Submitter	Farrar,Michael J farrar@ufl.edu
Created	10/26/2015 8:51:52 AM
Updated	3/10/2016 4:31:45 PM
Description	Modify the required 4000-level courses needed.

### Actions

Step	Status	Group	User	Comment	Updated
Department	Approved	CLAS - Psychology 011618000	Abrams, Lise		10/26/2015
No document changes					
College	Recycled	CLAS - College of Liberal Arts and Sciences	Pharies, David A	Conditionally approved. Clarify "Proposed Changes" re whether the two 4000-level courses must be in addition to required laboratory course or individual work courses. If yes, change "These courses cannot include the required laboratory course or individual work courses" to "These courses must be taken in addition to required laboratory course and individual work courses."	12/7/2015
No document changes					
Department	Approved	CLAS - Psychology 011618000	Abrams, Lise		1/27/2016
Replaced Behavioral and Cognitive Neuroscience.tracking changes.docx					
College	Approved	CLAS - College of Liberal Arts and Sciences	Pharies, David A		1/26/2016 2/2/2016
No document changes					
University Curriculum Committee	Comment	PV - University Curriculum Committee (UCC)	Case, Brandon	Added to the March agenda.	2/19/2016
No document changes					
University Curriculum Committee	Pending	PV - University Curriculum Committee (UCC)			2/19/2016
No document changes					
Office of the Registrar					

Step	Status	Group	User	Comment	Updated
No document changes					
Student Academic Support System					
No document changes					
Catalog					
No document changes					
College Notified					
No document changes					

# Specialization | Modify for request 10510

## Info

**Request:** Behavioral and Cognitive Neuroscience

**Submitter:** Farrar, Michael J farrar@ufl.edu

**Created:** 12/16/2015 5:34:41 PM

**Form version:** 2

## Responses

### Specialization Name

*Enter the name of the specialization.*

Response:  
Behavioral and Cognitive Neuroscience

### Specialization Code

*Enter the two or three letter code for the specialization.*

Response:  
BCN

### Effective Term

*Enter the term (semester and year) at which the modification should be effective.*

Response:  
Fall

### Effective Year

Response:  
2016

### Proposed Changes

*Describe the proposed changes to the specialization.*

Response:  
Require 2 4000-level courses with the prefix of EXP or PSB (or approval of psychology advisor) for majors in the Behavioral and Cognitive Neuroscience track only. These courses must be taken in addition to required laboratory course and individual work courses.

### Pedagogical Rationale/Justification

*Describe the rationale for the proposed changes to the specialization.*

Response:

To provide additional instruction in neuroscience for students in this track. Currently, any 4000 level psychology course can count toward fulfilling the 4000-level requirement. The change requires course work directly relevant to neuroscience.

**Impact on Other Programs**

*Describe any potential impact on other programs or departments, including increased need for general education or common prerequisite courses, or increased need for required or elective courses outside of the existing program.*

Response:

No impact is expected.

# Behavioral and Cognitive Neuroscience

## Required Coursework

Students in the behavioral and cognitive neuroscience specialization are required to complete 36 credits of coursework with minimum grades of C. At least 22 credits must be taken in psychology.

- 3 credits, introductory level: PSY 2012 General Psychology (or its equivalent, such as a general psychology course taken elsewhere or credit by exam for PSY 2012 via AP, IB, AICE, etc.)
- 6 credits, foundation core: Each is an introduction to the substantive areas of behavioral and cognitive neuroscience: biological bases of behavior and mental processes, and learning and cognition. Students must choose at least one course from each area:
  - Biological Bases: PSB 3002 Physiological Psychology or PSB 3340 Behavioral Neuroscience
  - Learning and Cognition: EXP 3604 Cognitive Psychology
- 7 credits, laboratory courses: PSY 3213L Laboratory Methods in Psychology (a 3-credit general laboratory course) and a specialized psychology laboratory course (EAB 4022C Laboratory Procedures in Behavior Analysis, EXP 4174C Laboratory in Sensory Processes, or PSB 4343C Laboratory in Cognitive Neuroscience)
- 6 credits, two 4000-level psychology courses with a PSB or EXP prefix or approval of the undergraduate coordinator. These courses must be taken in addition to the required laboratory course and individual work courses. (does not include individual work courses)
- 14 credits additional courses: Students must choose 14 or more credits of psychology courses or approved neuroscience-relevant courses outside psychology to meet the 36-credit minimum requirement
  - 3 credits may be at the 2000-level or higher
  - The remaining 11 or more credits must be at the 3000/4000-level
  - Any neuroscience-relevant courses outside psychology must be approved by a psychology advisor before enrollment

*Students may not take both PSB 3002 and PSB 3340 under any circumstances.*

Students who wish to transfer courses in psychology toward the major must see an advisor in the department for approval.

## Related Coursework

## Related Coursework

- **Statistics:** STA 2023 Introduction to Statistics 1 and STA 3024 Introduction to Statistics 2 are also required. STA 2023 is a prerequisite for some 4000-level psychology and laboratory courses. STA 3024 must be taken before or concurrently with any specialized psychology laboratory, and it counts as a 3000+ level elective not in the major.

- **Mathematics:** Proficiency through Calculus 2 is required. MAC 2311 Analytic Geometry and Calculus 1 and MAC 2312 Analytic Geometry and Calculus 2 meet this requirement.
- **Biological Science:** BSC 2010 Integrated Principles of Biology 1 and BSC 2011 Integrated Principles of Biology 2 are required.

All majors are encouraged to see a psychology advisor in 135 Psychology Building. No appointments are necessary and walk-ins are welcome. [Advising office hours](#).

Most of the foundation-level courses and the laboratory methods course are offered each semester. Special topic and other advanced courses are offered less frequently. Fewer courses are offered in summer.

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## Critical Tracking

**To graduate with this major, students must complete all university, college and major requirements. For degree requirements outside of the major, refer to CLAS Degree Requirements: [Structure of a CLAS Degree](#).**

Equivalent critical-tracking courses as determined by the State of Florida [Common Course Prerequisites](#) may be used for transfer students.

The following critical-tracking courses are required:

- BSC 2010 Integrated Principles of Biology 1
- MAC 2311 Analytic Geometry and Calculus 1
- MAC 2312 Analytic Geometry and Calculus 2
- PSY 2012 General Psychology
- PSY 3213L Laboratory Methods in Psychology
- STA 2023 Introduction to Statistics 1

### Semester 1

- Complete MAC 1147 or MAC 2311
- 2.4 UF GPA required

### Semester 2

- Complete MAC 2311
- Complete PSY 2012
- 2.6 UF GPA required

### Semester 3

- Complete 2 of the following critical-tracking courses: BSC 2010, MAC 2312 or PSY 3213L with a 2.6 critical-tracking GPA  
*Students should take PSY 3213L in semester 3 or 4 before taking any additional 3000-level or above psychology courses.*
- 2.7 UF GPA required

### Semester 4

- Complete 1 tracking course from BSC 2010, MAC 2312, PSY 3213L or STA 2023 with a 2.75 critical-tracking GPA
- 2.8 UF GPA required

### Semester 5

- Complete the final tracking course (BSC 2010, MAC 2312, PSY 3213L or STA 2023) with a 2.75 critical-tracking GPA. Additional psychology courses taken in semesters 1-5 are included in the critical-tracking GPA.
- 2.8 UF GPA required

### Recommended Semester Plan

Students are expected to complete the writing requirement while in the process of taking the courses below. Students are also expected to complete the general education international (GE-N) and diversity (GE-D) requirements concurrently with another general education requirement (typically, GE-C, H or S).

Semester 1	Credits
IUF 1000 What is the Good Life (GE-H)	3
MAC 2311 Analytic Geometry and Calculus 1 ( <a href="#">State Core GE-M</a> ) (take MAC 1147 instead, if needed)	4
Foreign language	4-5
Physical Science (GE-P)	3
	Total 14-15

Semester 2	Credits
MAC 2312 Analytic Geometry and Calculus 2 (GE-M)	4

PSY 2012 General Psychology ( <a href="#">State Core GE-S</a> )	3
Composition ( <a href="#">State Core GE-C</a> ) (WR)	3
Foreign language	3-5
Humanities ( <a href="#">State Core GE-H</a> )	3
Total 16-18	

### Semester 3

BSC 2010 Integrated Principles of Biology 1 ( <a href="#">State Core GE-B</a> )	3
PSY 3213L Laboratory Methods in Psychology	3
Electives (3 credits of foreign language if 4-3-3 option)	6
Humanities (GE-H)	3
Total 15	

### Semester 4

	Credits
BSC 2011 Integrated Principles of Biology 2 (GE-B)	3
STA 2023 Introduction to Statistics 1 (GE-M)	3
Elective	3
Foundation-level psychology course (EXP 3604 [GE-S], PSB 3002 or PSB 3340)	3
Physical Science (GE-P)	3
Total 15	

### Semester 5

	Credits
STA 3024 Introduction to Statistics 2 (GE-M) (counts as a 3000-level or above elective, not in the major)	3
Foundation-level psychology course (EXP 3604 [GE-S], PSB 3002 or PSB 3340)	3
Approved neuroscience-relevant course outside psychology or Psychology course (3000-level or above)	3
Electives	6
Total 15	

### Semester 6

	Credits
Approved neuroscience-relevant course outside psychology or Psychology course (GE-S; 3000 level or above)	3
Composition (GE-C, WR)	3
Electives (3000 level or above, not in major)	6
Psychology courses <a href="#">PSB or EXP prefix</a> (4000 level)	3

### Semester 7

	Credits
Elective	3



Electives (3000 level or above, not in major)	6
Psychology courses <u>PSB or EXP prefix</u> (4000 level)	3
Specialized psychology laboratory course (EAB 4022C, PSB 4343C or EXP 4174C)	4
	Total 16

<b>Semester 8</b>	<b>Credits</b>
Approved neuroscience-relevant course outside psychology or Psychology courses (3000 level or above)	8
Elective (3000 level or above, not in major)	3
Elective	3
	Total 14