

The Department of Psychological and Brain Sciences

Cognitive and Behavioral Neuroscience Major- DRAFT

Chair: Michael Brown, Ph.D.

Office Location: Tolentine Hall, Room 334

Telephone: (610) 519-4720

About

The major in Cognitive and Behavioral Neuroscience (CBN) provides an intensive course of study focused on brain-behavior relationships, ranging from genetic to whole brain contributions to behavior and mental processes. The program is excellent preparation for a variety of careers focusing on research and/or practice in neuroscience, medicine, allied health fields, and psychology, as well as for more general careers in areas such as public policy and education.

Required Major Courses (65 credits)

Program Notes:

- PSY 2900 is a topics course and the topic must be approved for it to count as a CBN elective. The following topics have been approved: "Drugs & Behavior", "Emotion", "Neuroethics". Other topics do not count without approval.
- BIO 4950 is a topics course and the topic must be approved for it to count as a CBN elective. The following topic has been approved: "Sex, Brains & Behavior. Other topics do not count without approval.
- PSY 5900 is an independent research course and can count as a CBN elective only with pre-approval

Course	Title	Credits
CHM 1151	General Chemistry I	4
CHM 1103	General Chemistry Lab I	1
CHM 1152	General Chemistry II	4
CHM 1104	General Chemistry Lab II	1
BIO 2105	General Biology I	4
BIO 2106	General Biology II	4
BIO 3351	Genetics	4
	MAT 1312 or MAT 1500	4
	MAT 1314 or MAT 1505	3-4
	PSY 1000 or PSY 1001 for CBN	3
PSY 2000	Intro Statistics	3
PSY 2050	Research Methods in Psy.	3
PSY 4200	Biopsychology	3
PSY 4500	Cognitive Psychology	3
CBN 4000	Cell & Behavioral Neuroscience	3
CBN 4100	Cognitive Neuroscience	3
	CBN 5000 or CBN 6002	3
	CBN Approved Elective	12

Core Curriculum Requirements (27 credits)

Biochemistry Majors meet the following core requirements in the major and therefore are omitted from the summary below:

- Core Math (3 cr)
- Social Sciences (6 cr)
- Natural Science (8 cr)

Course	Title	Credits
ACS 1000	Ancients	3
ACS 1001	Moderns	3
THL 1000	Faith, Reason, and Culture	3
PHI 1000	Knowledge, Reality, Self	3
ETH 2050	The Good Life:Eth & Cont Prob	3
	Literature and Writing Seminar (1 course)	3
	History (1 course)	3
	Fine Arts (1 course)	3
	Upper-Level Theology (1 course)	3
	Language Requirement (Proficiency)	
	Diversity Requirement (2 courses)	

Free Elective Requirement (30 credits)

Students with a Cognitive & Behavioral Neuroscience primary major have thirty (30) required free elective credits.

Degree Credit Summary

- **Major Credits:** 65 credits
- **Core Credits:** 27 credits
- **Free Electives Credits:** 30 credits
- **Total Required Credits:** 122 Credits

Note: The above credit totals are based on the minimum number of required credits in each degree area. The minimum number of required credits in each area listed above must be met. Credits taken beyond the required minimum for one area may not be applied to another area.

SECONDARY MAJOR

Students who declare Cognitive & Behavioral Neuroscience as a **secondary major** must complete the Required Major Courses to achieve this major. Students are able to count any eligible course taken in their primary major, the core curriculum, minors, concentrations, or free electives toward these requirements.