

NEUROSCIENCE MAJOR PLANNING FORM 9/23/2022
 NEW REQUIREMENTS - Effective for students matriculating FALL 2022 and after

NAME _____
 ADVISER _____

- DISTRIBUTION REQUIREMENTS:
 ONE COURSE IN EACH OF
- Arts - ARTS
 - Humanities - HUM
 - Social Sciences - SSC
 - Natural Science w/Laboratory - NS-L
 - Quantitative/Logical Reasoning - QLR
 - Environmental Literacy - EL
 - Diversity/Foreign Language - DIV/LANG
 - Diversity/Foreign Language - DIV/LANG

COURSE PLAN

FALL			SPRING		
COURSE #	NAME	DIST	COURSE #	NAME	DIST
FIRST YEAR					
BIO 101	GENERAL BIOLOGY	NS-L; EL	BIO 102	GENERAL BIOLOGY	NS-L
CHEM 103	GENERAL CHEMISTRY		CHEM 104	GENERAL CHEMISTRY	
PSYC 100 or 101	INTRO. PSYCHOLOGY		STAT 113	STATISTICS	QLR
	FIRST YEAR PROGRAM			FIRST YEAR SEMINAR	
	GPA _____			GPA _____	
	CUM. GPA _____			CUM. GPA _____	
SOPHOMORE					
BIO 288	INTRO NEUROSCIENCE		BIO 389	ADVANCED NEUROSCIENCE	
CHEM 221	ORGANIC CHEMISTRY		CHEM 222	ORGANIC CHEMISTRY (HIGHLY RECOMMENDED)	
			BIOL 252/392/394	RESEARCH METHODS	
			or		
			PSYC 205	RESEARCH METHODS IN PSYC.	
	GPA _____			GPA _____	
	CUM. GPA _____			CUM. GPA _____	
JUNIOR					
BIOL 392/395	BIOL RESEARCH METHODS		ELECTIVES		
	ELECTIVES				
	GPA _____			GPA _____	
	CUM. GPA _____			CUM. GPA _____	
SENIOR					
ELECTIVES			ELECTIVES		
	GPA _____			GPA _____	
	CUM. GPA _____			CUM. GPA _____	

Curriculum: Core courses required by both tracks:

General Biology (101, 102)	2.5 units
General Chemistry (103, 104)	2.5 units
Organic Chemistry (221)	1.25 units
Introductory Psychology (100 or 101)	1 unit
Applied Statistics (STAT 113)	1 unit
Intro. & Adv. Neuroscience (Bio/Nrsci 288, 389)	2.5 units

= 10.75 courses sub-total

Cellular Neuroscience Track

Students need to select **one** of the following:

Research Methods in Cell Biology (BIOL 252)
Research Methods in Fluorescence & Confocal Microscopy (BIOL 392)
Research Methods in Molecular Biol (BIOL 395)

PLUS a minimum of 4 additional elective courses from:

Neuroscience of Fear (BIOL/NRSCI/PSYC 233)
Genetics (BIOL 245 or 246)
Introduction Cell Biology (BIOL 250)
Research Methods in Cell Biology with Lab (BIOL 252)
Biochemistry (BIOL/BIOCH/CHEM 309)
Immunology with Lab (BIOL 333)
Anatomy and Physiology I with Lab (BIOL 341)
Anatomy and Physiology II with Lab (BIOL 351)
Cell Mechanisms of Memory (BIOL/NRSCI 387)
Drugs & the Brain with Lab (BIOL/NRSCI 388)
Research Methods in Fluor & Confocal Microscopy with Lab (BIOL 392)
Research Methods in Molecular Biology with Lab (BIOL 395)
Current Topics in Neuroscience (BIOL/NRSCI 399)
Advanced Biochemistry (BIOCH/CHEM 415)
Senior Year Experience (NRSCI 489/490/499) (1 unit)

At least 2 of the 4 elective courses must be:

- *Designated as **NRSCI**
- *Have a laboratory component

Behavioral/Organismal Track

Students must take :

Research Methods in Psychology (PSYC 205)

PLUS a minimum of 4 additional elective courses from:

Neuroscience of Fear (BIOL/NRSCI/PSYC 233)
Hormones & Behavior (with or w/o lab) (PSYC 326) (instructor permission)
Sensation & Perception (with or without Lab) (PSYC 327)
Learning and Behavior (with Lab) (PSYC 401)
Memory and Cognition (with or without Lab) (PSYC 402)
Animal Behavior (with Lab) (PSYC 432)
Human Neuropsychology (NRSCI/PSYC 438)
Behavioral Neuroscience (NRSCI/PSYC 462)
Drugs & the Brain with Lab (BIOL/NRSCI 388)
Current Topics in Neuroscience (BIOL/NRSCI 399)
Cognitive Science (PSYC 459)
Senior Year Experience (NRSCI 489/490/499) (1 unit)

At least 2 of the 4 elective courses must be:

- *Designated as **NRSCI**
- *Have a laboratory component

An approved special topics (SPTP) course or an approved abroad course can count as an elective toward the major