NEUROSCIENCE MAJOR PLANNING FORM 1/9/2021

NAME _____

ADVISER _____

DISTRIBUTION REQUIREMENTS:
ONE COURSE IN EACH OF

- ☐ Arts - ARTS
- ☐ Humanities - HUM
- ☐ Social Sciences - SSC
- ☐ Natural Science w/Laboratory - NSM-L
- ☐ Quantitative/Logical Reasoning - QLR
- ☐ Environmental Literacy - EL
- ☐ Diversity/Foreign Language - DIV/LANG
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COURSE PLAN

	FALL			SPRING		
	COURSE #	NAME	DIST	COURSE #	NAME	DIST
FIRST YEAR						
	BIO 101	GENERAL BIOLOGY	NCS	BIO 102	GENERAL BIOLOGY	NCS
	CHEM 103	GENERAL CHEMISTRY		CHEM 104	GENERAL CHEMISTRY	
	PSYC 100 or 101	INTRO. PSYCHOLOGY		STAT 113	STATISTICS	
		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 units

= 10.25 courses sub-total

Cellular Neuroscience Track

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

- Research Methods in Cell Biology (BIOL 252)
- Research Methods in Fluoresence & Confocal Microscopy (BIOL 392)
- Research Methods in Biochemistry (BIOL 394)
- Research Methods in Molecular Biol (BIOL 395)

PLUS a minimum of 3 additional units* of courses from:
(At least 2 units of the 3 required elective course units must be taken with a laboratory)

- 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)
- General and Comparative Endocrinology (BIOL 370)
- Human Embryology (BIOL 353)
- 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 Biochemistry with lab (BIOL 394)
- Research Methods in Molecular Biology with Lab (BIOL 395)
- Current Topics in Neuroscience (BIOL/NRSCI 399)
- Advanced Biochemistry (BIOCH/CHEM 415)
- Senior Year Experience (1 unit)

Behavioral/Organismal Track

Students must take :

- Research Methods in Psychology (PSYC 205)

PLUS a minimum of 3 additional units* of courses from:
(At least 2 units of the 3 required elective course units must be taken with a laboratory)

- Sensation & Perception (with or without Lab) (PSYC 327)
- Learning (with or without Lab) (PSYC 401)
- Memory and Cognition (with or without Lab) (PSYC 402)
- Animal Behavior (with or without Lab) (PSYC 432)
- Human Neuropsychology (NRSCI/PSYC 438)
- Behavioral Neuroscience (NRSCI/PSYC 462)
- Anatomy and Physiology I with Lab (BIOL 341)
- Anatomy and Physiology II with Lab (BIOL 351)
- Behavioral Ecology (BIOL 357)
- General and Comparative Endocrinology (BIOL 370)
- Drugs & the Brain with Lab (BIOL/NRSCI 388)
- Current Topics in Neuroscience (BIOL/NRSCI 399)
- Senior Year Experience (1 unit)

*Unless indicated each course is equal to 1 unit

Both tracks require: One Unit from other track OR Ancillary Course List

Ancillary Courses

- Lab Animals: Ethics, Care & Tech (BIOL/NRSCI/PSYC 232; 0.5 unit)
- Neuroscience of Fear (BIOL/NRSCI/PSYC 233)
- Cross Cultural Healing (BIOL 412)
- Abnormal Psychology (PSYC 317)
- Developmental Disabilities (PSYC 442)
- Introduction to Computer Programming (CS 140)
- Approved SPTP course
- Approved Abroad course
- Hormones & Behavior (PSYC 326) - By Permission of Instructor