NEUROSCIENCE MAJOR PLANNING FORM (1-26-06)

NAME _____

ADVISER _____

DISTRIBUTION REQUIREMENTS:

ONE COURSE IN EACH OF

- ☐ Arts & Expression - AEX
- ☐ Humanities - HUM
- ☐ Social Science - SSC
- ☐ Math & Foreign Language - MFL

TWO COURSES IN EACH OF

- ☐ NATURAL SCIENCES/SCIENCE STUDIES (ONE WITH LAB) - NSC
- ☐ DIVERSITY IN TWO DIFFERENT DEPARTMENTS - DIV

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 103	GENERAL CHEMISTRY	
	PSYC 100 or 101	INTRO. PSYCHOLOGY				
		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)	
	PSYC 205 **or** MATH 113	RESEARCH METHODS IN PSYC. **or** STATISTICS				
			GPA _____			GPA _____
			CUM. GPA _____			CUM. GPA _____
JUNIOR						
	ELECTIVES			ELECTIVES		
			GPA _____			GPA _____
			CUM. GPA _____			CUM. GPA _____
SENIOR						
	NS 489	SENIOR RESEARCH		NS 490 **or** 499	SENIOR RESEARCH **or** HONORS RESEARCH	
	ELECTIVES			ELECTIVES		
			GPA _____			GPA _____
			CUM. GPA _____			CUM. GPA _____

PRIOR APPROVAL IS REQUIRED TO TRANSFER COURSE CREDIT FROM OTHER INSTITUTIONS AND ABROAD PROGRAMS

Curriculum: Core courses required by both tracks

General Biology (101, 102)	3 units	
General Chemistry (103, 104)	2.5 units	
Organic Chemistry (221)	1.25 units	
Introductory Psychology (100 or 101)	1 unit	
Intro. & Adv. Neuroscience (Bio 247, 348)	2 units	
Senior Research: Neuroscience	1-2 units	= 10 - 11 courses sub-total

Cellular Neuroscience Track

Students must take either Statistics (Math 113) or
Research Methods in Psychology (PSYC 205)

Students need to select one of the following:

Genetics (BIOL 245 or 246)
Introduction to Cell Biology (BIOL 250)
Animal Physiology (BIOL 326)

PLUS a minimum of 2 additional **units** of courses from:

Genetics (BIOL 245 or 246)
Introduction Cell Bio. (BIOL 250)
Endocrinology (BIOL 270)
Developmental Biology (BIOL 312)
Animal Physiology (BIOL 326)
Advanced Animal Physiology (BIOL 386)
Cell and Molecular Basis of Memory (BIOL 348)
Research Methods in Confocal Microscopy (BIOL 392, .5 units)
Microscopy Project (BIOL 393, .5 units)
Research Methods in Molecular Biology (BIOL 395)
Biochemistry (CHEM 309)
Advanced Biochemistry (CHEM 415)

*Unless indicated each course is equal to 1 unit

Behavioral/Organismal Track

Students must take Research Methods in Psychology (PSYC 205)

Plus a minimum of 4 units from the list of courses below:

Hormones & Behavior (PYSC 326)
Sensation & Perception (PYSC 327)
Physiological Psychology (PYSC 331)
Learning (PYSC 401)
Memory and Cognition (PSYC 402)
Animal Behavior (PYCH 432)
Cognitive Neuropsychology (PSYC 480)
Animal Physiology. (BIOL 326)
Advanced Animal Physiology (BIOL 386)

*Unless indicated each course is equal to 1 unit

**At least 2 of the 4 required elective courses must be taken with a laboratory - all of the biology course listed above must be taken with lab where as the psychology coures may be taken with or without lab.