

Mult. Studies-Neuroscience Minor Checksheet (24 hrs) Cat Yr. _____**Name:** _____**Banner ID:** _____**Date:** _____

The neuroscience minor is designed to provide students with an introduction to the study of neuroscience at the various structural and functional levels of analysis, including molecular, cellular, integrative, and behavioral. (Students interested in a neuroscience major should see multidisciplinary studies and contact Dr. Tuan Tran (trant@ecu.edu), the neuroscience program director.) The minor requires completion of core courses (20 sh), a laboratory course (2 or 3 sh), and an elective course (2-5 sh). In the event that courses required for the minor are also required for the student's major, neuroscience elective courses should be taken so that a minimum of 24 sh of unique neuroscience courses are completed for the minor. Some courses require prerequisites to be met before being allowed to register; see the current undergraduate course catalog for prerequisite information. The major advisor should send a potential minor to the director for advising. The minimum requirements for the minor are 24 sh as follows:

Core Program Courses: 20 SH

	Course Number	SH	Grade(s)
Principles of Biology I	<input type="checkbox"/> BIOL 1100 / <input type="checkbox"/> BIOL 1101	3 / 1	/
General Chemistry II & Lab II	<input type="checkbox"/> CHEM 1160 / <input type="checkbox"/> CHEM 1161	3 / 1	/
Introductory Psychology or Honors Intro Psyc	<input type="checkbox"/> PSYC 1000 or <input type="checkbox"/> PSYC 1060	3	
Introduction to Neuroscience	PSYC 3310	3	
Cellular & Molecular Neuroscience	NEUR 4900	3	
Behavioral & Integrative Neuroscience	NEUR 4901	3	
Total SH		<input type="text"/>	

Neuroscience Laboratory Courses: Choose one from the following (2-3 SH)

Methods in Cellular & Molecular Neuroscience	NEUR 4201	2	
Laboratory Methods in Behavioral Neuroscience	PSYC 4312	3	
Behavioral Neuroscience: Literature & Lab Exp	PSYC 4315 (may be repeated)	3	
Total SH		<input type="text"/>	

Neuroscience Electives: 2-5 SH

Survey of Human Physiology & Anatomy	<input type="checkbox"/> BIOL 2130 / <input type="checkbox"/> BIOL 2131	4 / 1	/
Principles of Genetics	BIOL 2300	3	
Cellular Physiology	<input type="checkbox"/> BIOL 3310 / <input type="checkbox"/> BIOL 3311	4 / 0	/
Principles of Animal Physiology	BIOL 3320	3	
Biological Evolution	BIOL 3520	3	
Transmission Electron Microscopy / Lab	<input type="checkbox"/> BIOL 5510 / <input type="checkbox"/> BIOL 5511	4 / 0	/
Scanning Electron Microscopy & X-ray / Lab	<input type="checkbox"/> BIOL 5520 / <input type="checkbox"/> BIOL 5521	2 / 0	/
Organic Chemistry I & Lab I	<input type="checkbox"/> CHEM 2750 / <input type="checkbox"/> CHEM 2753	3 / 1	/
Organic Chemistry II & Lab II	<input type="checkbox"/> CHEM 2760 / <input type="checkbox"/> CHEM 2763	3 / 1	/
Biological Chemistry & Lab	<input type="checkbox"/> CHEM 2770 / <input type="checkbox"/> CHEM 2771	3 / 1	/
Electricity/Electronics Fundamentals	<input type="checkbox"/> ITEC 2054 / ITEC <input type="checkbox"/> 2055	3 / 0	/
Calculus for the Life Sciences I	MATH 2121	3	
Calculus for the Life Sciences II	MATH 2122	3	
Literature in Neuroscience	NEUR 4200	1	
Introduction to Philosophical Issues in Biology	PHIL 1262	3	
Introduction to Philosophy of Science	PHIL 2261	3	
Research Methods in Psychology	PSYC 2210	4	
Psychology of Learning	PSYC 3225	3	
Cognitive Psychology	PSYC 3226	3	
Comparative and Evolutionary Psychology	PSYC 3290	3	
Neuropsychology	PSYC 3311	3	
Behavioral Pharmacology Seminar	PSYC 4340	3	
Total SH		<input type="text"/>	

Any course listed under Neuroscience Laboratory Courses, above, not used to meet lab requirement may be chosen as an elective.