

BACHELOR OF SCIENCE IN NEUROSCIENCE & COGNITIVE SCIENCE

NAME _____

STUDENT ID _____

EXP. GRAD. _____ TRACK: **Neuroscience** / **Cognitive Science** CATALOG: **2013-14, 14-15, 15-16, 16-17**

UNIVERSITY FOUNDATIONS & GENERAL EDUCATION

Composition

ENGL 101 or equivalent 3 ___
 ENGL 102 or equivalent 3 ___
 or ENGL 109H 3 ___

Second Language

2nd semester proficiency by credit or exam required _____

Mathematics

Requirement satisfied by NSCS foundation courses

Tier One

Individuals & Societies

PSY 101 or 150A1 satisfies one _____ 160 ___ 3 ___
 _____ 150 ___ 3 ___

Traditions & Cultures

_____ 160 ___ 3 ___

Tier Two

Arts

_____ 3 ___

Humanities

_____ 3 ___

Individuals & Societies

Requirement satisfied by NSCS foundation course - PHIL 241

Diversity Emphasis (Gender/Race/Class/Ethnicity/Sexual Orient./Non Western)

One undergraduate course must be taken from the Diversity Emphasis list; certain Tier One and Tier Two courses meet this requirement

NSCS FOUNDATION COURSES

Students will be ELIGIBLE TO APPLY to the full major when they have:

- Completed MCB 181R/L, CHEM 151, and PSY 101 or 150A1. These courses must be completed before taking NSCS 200.
- Completed or enrolled in calculus, statistics, CHEM 152 (neuro track only), and LING 201 (cog sci track only).
- Science GPA of at least 2.5 & must be enrolled in NSCS 200

NOTE: Physics, org. chemistry (neuro track only), programming, and PHIL 241 may be completed before or after admission to the major.

Chemistry

CHEM 151 (lec & lab combined) (F, S, SS) 4 ___

Neuroscience Track Only

CHEM 152(lec & lab combined) (F, S, SS) 4 ___

CHEM 241A (lec) **and** CHEM 243A (lab) (F, S, SS)..... 3 ___ 1 ___

Biology

MCB 181R (lec) (F, S, SS) **and** MCB 181L (lab) (F, S) 3 ___ 1 ___

Physics

PHYS 102 (lec) **and** 181 (lab) (F, S, SS) [or PHYS 141]... 3 ___ 1 ___

Neuroscience Track Only

PHYS 103 (lec) **and** 182 (lab) (F, S, SS) [or PHYS 241]... 3 ___ 1 ___

Mathematics

MATH 122A&B or 125 (F, S, SS) 3-5 ___

Statistics (choose one) (MATH 263 recommended for pre-med students)

ISTA 116 or MATH 263 or PSY 230..... 3 ___

NSCS FOUNDATION COURSES (CONT.)

Programming (choose one)

NROS 311 (F) or ISTA 130 (F, S, SS) or CSC 110 (F, S, SS) 3-4 ___

Psychology & Philosophy

PSY 101 or PSY 150A1 Intro Psychology (F, S, SS)..... 3 ___

PHIL 241 Consciousness and Cognition (F, S)..... 3 ___

Cognitive Science Track Only

Philosophy & Linguistics

PHIL 202 (F, S, SS) (no longer required) 3 X

LING 201 (F, S, SS) 3 ___

NSCS GATEWAY COURSE (APPLY TO MAJOR)

NSCS 200 Fundamentals of Neurosci & Cog Sci (S) 3 ___

NSCS MAJOR CORE (DO NOT TAKE UNTIL AFTER NSCS 200)

NROS 307 Cellular Neurophysiology (F) (Honrs Sectn)...3-4 ___

NSCS 315B Methods in Neuroscience (F) 1 ___

NSCS 315A Methods in Cognitive Science (F) 1 ___

NSCS 320 Issues & Themes in Cognitive Science (F) .. 3 ___

Neuroscience Track Only

NROS 310 Mol & Cell Bio of Neurons (S) (Honrs Sectn) 3-4 ___

NROS 418 Fund Principles in Systems Neuro (S)..... 3 ___

Cognitive Science Track Only

PSY 300 Cognitive Neuroscience (F, S, SS) (or PSY 325). 3 ___

NSCS 344 Modeling the Mind (S) 3 ___

Take one course from each (see full Cog Sci curriculum sheet for options):

COGNITIVE PSYCHOLOGY _____

LINGUISTICS _____

PHILOSOPHY _____

Special Lectures

Ethics

Science Policy

NSCS EMPHASIS ELECTIVES

Complete 15 units from one emphasis. Up to 6 units of upper-division research, internship, preceptorship (max 3 units), or thesis credit may be applied. The emphasis course listing can be found on the NSCS website at nscs.arizona.edu

Course	Units
Cognition	_____
Computation	_____
Development & Aging	_____
Lang. & Comm. Science	_____
Neurobiology	_____
Philosophy of Mind	_____
Thematic	_____
Total Units	_____

ADDITIONAL GRADUATION REQUIREMENTS: 120 total units 42 upper div. units 2.000+ cum GPA 2.000+ major GPA

MCWA complete ___ 30+ total units at UA ___ Final 18 of 30 units complete ___ <60 correspondence/UA exam units ___ 18+ NSCS units at UA ___