

NEUROSCIENCE AND COGNITIVE SCIENCE/PSYCHOLOGICAL SCIENCES DOUBLE MAJOR CHECK SHEET

NAME _____ STUDENT ID _____

EXPECTED GRADUATION _____ NSCS FOCUS: **Neuroscience** / **Cognitive Science** CATALOGS: **2018-19 and after**

UNIVERSITY FOUNDATIONS & GENERAL EDUCATION

Composition

ENGL 101 or equivalent 3 _____

ENGL 102 or equivalent 3 _____

or ENGL 109H* 3 _____

(*need grade of C or better, additional course needed for pre-med- see advisor)

Second Language

2nd semester proficiency by credit or exam required _____

(grade of C or better required in second semester)

Mathematics

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

Tier One (do not take PSY 150A1)

Individuals & Societies

_____ 150 _____ 3 _____

_____ 150 _____ 3 _____

Traditions & Cultures

_____ 160 _____ 3 _____

_____ 160 _____ 3 _____

Tier Two

Arts

_____ 3 _____

Humanities

_____ 3 _____

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

One course must be taken from the Diversity Emphasis list _____

PRE-MAJOR/FOUNDATION/SUPPORTING COURSEWORK

Intro Psychology**

PSY 101 (Pre-req for NSCS 200) (F, S, SS) 3 _____

Chemistry

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

Biology

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

ECOL 182R (lec) (F, S, SS) **and** ECOL 182L (lab) (F, S) 3 _____ 1 _____

Physics

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

Statistics (pre-req for PSY 290A, MATH 263 recommended for pre-med)

MATH 263 or PSY 230 3 _____

Research Methods

PSY 290A (F, S, SS) 3 _____

Philosophy

PHIL 241 (F, S, SS) 3 _____

Clinical Science

PSY 381 or 383 (F, S, SS) 3 _____

Social-Personality Science

PSY 352 or 360 (Pre-req for NSCS 200) (F, S, SS)..... 3 _____

**students who took PSY 150A1 or are counting PSY 101 as a general education course will replace this with a PSY elective

NSCS FOUNDATION FOCUS (MUST MATCH MAJOR FOCUS)

Complete 12 units from one focus (continued in next column)

Option 1: Neuroscience Focus

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

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

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

Option 2: Cognitive Science Focus

NSCS 344 Modeling the Mind (S) 3 _____

Take 3 courses from at least 2 categories (see full curriculum for options):

☐ Cognitive Psychology ☐ Linguistics ☐ Philosophy

_____ 3 _____ 3 _____

_____ 3 _____

CHEM 152 or PHYS 103/182 (required for PSYS)..... 4 _____

NSCS GATEWAY COURSE (APPLY TO MAJOR WHILE ENROLLED)

Students are ELIGIBLE TO APPLY to the NSCS major when they have:

1. Completed MCB 181R/L, CHEM 151, and PSY 101 (pre-req for NSCS 200). These courses must be completed before taking NSCS 200 and applying to the major.
2. Completed or enrolled in calculus, statistics, NSCS 200, CHEM 152 (neuro focus), one foundation focus course (cog sci focus)
3. Science GPA of at least 2.5

NOTE: All other courses may be completed before or after admission to the major. Exceptions may be granted for requirements 2 & 3 on a case-by-case basis. See your advisor.

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

This course fulfills the Cognitive Neuroscience requirement (PSY 300) for the PSYS pre-major. (NSCS 200 pre-reqs: MCB 181R/L and PSY 101 or 150A1)

NSCS MAJOR CORE (MUST COMPLETE NSCS 200 FIRST)

NSCS 307 Cellular Neurophysiology (F) (Honrs Option) .3-4 _____

NSCS 308 Methods in Neuroscience (F) 1 _____

NSCS 311 Scientific Programming with MATLAB (F) 3 _____

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

NSCS 321 Methods in Cognitive Science (F)..... 1 _____

(NSCS 321 is waived for any student who has completed PSY 300)

NSCS MAJOR FOCUS (MUST MATCH FOUNDATION FOCUS)

Complete 6 units from one focus

Option 1: Neuroscience Focus

NROS 310 Mol & Cell Bio of Neurons (S) (Honrs Option) 3-4 _____

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

Option 2: Cognitive Science Focus

Take 2 courses from the Cognition Emphasis list (courses cannot double-dip):

_____ 3 _____ 3 _____

PSYS CORE

PSY 389 (Writing Emphasis Course) 3 _____

*NSCS/PSYS (Directed Research) 3 _____

*NSCS/PSY/PSYS (Directed Research, Capstone, Honors Thesis) 3 _____

*NSCS/PSY/PSYS (Directed Research, Capstone, Honors Thesis) 3 _____

*PSY (400 level) 3 _____

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*Up to 5 of these courses can be fulfilled with your 5 NSCS emphasis courses with the exception of internship or preceptorship credits.

NSCS EMPHASIS ELECTIVES

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

Cognition

Development & Aging

Neurobiology

(students who select a different NSCS emphasis cannot double-dip their emphasis courses with PSYS)

<u>Course</u>	<u>Units</u>	
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
Total Units	_____	

ADDITIONAL NSCS GRADUATION REQUIREMENTS

Special Lectures ☐ Ethics ☐ Science Policy

Program Assessment Completed ☐

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 _____