

BACHELOR OF SCIENCE IN NEUROSCIENCE & COGNITIVE SCIENCE

ARIZONA ONLINE

NAME _____ STUDENT ID _____

EXPECTED GRADUATION _____ FOCUS: NEUROSCIENCE / COGNITIVE SCIENCE ARIZONA ONLINE CATALOG: 2022

UNIVERSITY FOUNDATIONS & GENERAL EDUCATION

Composition

ENGL 101 or equivalent.....3

ENGL 102 or equivalent.....3

Or ENGL 109H (pre-med requires addtl course – see advisor).....3

Second Language

2nd semester proficiency by credit or exam required.....

Pre-req Mathematics (starting course depends on placement)

MATH 100 3 -> MATH 112 3 -> MATH 120R 4

Intro to General Education: UNIV 1011

GE Exploring Perspectives

Artist.....3 Social Scientist3

Humanist.....3

GE Building Connections

_____3 _____3

_____3

General Education Capstone: UNIV 3011

NSCS FOUNDATION/SUPPORTING COURSEWORK

Chemistry

CHEM 141(lec) **and** CHEM 145 (lab) (F,SS1).....3 1

Biology

MCB 181R (lec) **and** MCB 181L (lab)3 1

Physics

PHYS 102 (lec) **and** 181 (lab) [or PHYS 141].....3 1

Mathematics

MATH 122A&B **or** MATH 1253 – 5

Statistics

MATH 263 (pre-med) **or** PSY 230.....3

Philosophy

PHIL 2413

GATEWAY COURSE (PRE-REQ FOR ALL NSCS / NROS COURSES)

NSCS 200 Fundamentals of Neuroscience & Cognitive Science3

Course pre-reqs: MCB 181R/L **and PSY 150A1 or 101*

MAJOR CORE (MUST COMPLETE NSCS 200 FIRST)

NROS 307 Cellular Neurophysiology3

NROS 308 Methods in Neuroscience1

NROS 311 Scientific Programming with MATLAB3

CGSC 320 Issues & Themes in Cognitive Science3

CGSC 321 Methods in Cognitive Science1

FOUNDATION & MAJOR FOCUS

Complete at least 18 units from one focus

Option 1: Neuroscience Focus

CHEM 142 (lec) and CHEM 146 (lab) (S,SS2).....3 1

CHEM 241A (lec) **and** CHEM 243A (lab)3 1

PHYS 103 (lec) **and** PHYS 182 (lab)[or PHYS 241].....3 1

NROS 310 Molecular & Cellular Biology of Neurons3

NROS 418 Fundamental Principles in Systems Neuroscience3

Option 2: Cognitive Science Focus

NROS 344 Modeling the Mind.....3

*Take 3 courses from at least 2 categories listed below
(see full curriculum for options)*

Cognitive Psychology Linguistics Philosophy

1 _____ 2 _____

3 _____

*Take 2 courses from the Cognition Emphasis List
(courses cannot double-dip)*

1 _____ 2 _____

EMPHASIS ELECTIVES

Complete 15 units from one emphasis listed below.

Course listing at nscs.arizona.edu.

- Up to 6 units of upper-division research, internship, or thesis credit may be applied.

- Up to 3 units of preceptorship credit may be applied.

- At least 9 units of coursework is required.

Cognition _____

Computation _____

Development & Aging _____

Lang. & Comm. Sci _____

Neurobiology _____

Philosophy of Mind _____

Thematic _____

ADDITIONAL GRADUATION REQUIREMENTS: 120 total units 42 upper div. units 2.000+ cumulative GPA 2.000+ major GPA MCWA complete _____ 30= total units at UA _____ Final 18 or 30 units complete _____ <60 correspondence/UA exam units _____ 18+ NSCS Units at UA _____