

BACHELOR OF SCIENCE IN NEUROSCIENCE & COGNITIVE SCIENCE

NAME _____ STUDENT ID _____

EXPECTED GRADUATION _____ FOCUS: NEUROSCIENCE / COGNITIVE SCIENCE 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 Scientist _____ 3
 Humanist _____ 3

GE Building Connections

- _____ 3 _____ 3
 _____ 3

General Education Capstone: UNIV 3011

NSCS FOUNDATION/SUPPORTING COURSEWORK

Chemistry

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

Biology

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

Physics

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

Mathematics

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

Statistics (*MATH 263 recommended for pre-med students*)

- MATH 263 **or** PSY 230.....3

Philosophy

- PHIL 241 (F,S,SS) **or** PHIL 347 (F,S,SS).....3

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 Neurophysiology (S) (Honors Section).....3-4

- NROS 308 Methods in Neuroscience (S).....1

- NROS 311 Scientific Programming with MATLAB (S).....3

- CGSC 320 Issues & Themes in Cognitive Science (F).....3

- CGSC 321 Methods in Cognitive Science (F).....1

FOUNDATION & MAJOR FOCUS

Complete at least 18 units from one focus

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

- NROS 310 Mol & Cell Bio of Neurons (S) (Honors Section).....3-4

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

Option 2: Cognitive Science Focus

- CGSC 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 ____