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 add’t 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 101 ...............................1 

GE Exploring Perspectives
Artist,____________3  Social Scientist,____________3 
Humanist,__________3 

GE Building Connections
.................................................................3  .................................................................3 

General Education Capstone: UNIV 301 ..............................1 

NSCS FOUNDATION/SUPPORTING COURSEWORK

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

Biology
MCB 181 (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 125 ...........................................3 - 5 

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

Philosophy
PHIL 241..........................................................3 

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

NSCS 200 Fundamentals of Neuroscience & Cognitive Science ....3 
*Course pre-reqs: MCB 181R/L and PSY 150A1 or 101

MAJOR CORE (MUST COMPLETE NSCS 200 FIRST)

NROS 307 Cellular Neurophysiology ....................................3 
NROS 308 Methods in Neuroscience ....................................1 
NROS 311 Scientific Programming with MATLAB ................3 
CGSC 320 Issues & Themes in Cognitive Science ................3 
CGSC 321 Methods in Cognitive Science ............................1 

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 Neurons ...............3 
NROS 418 Fundamental Principles in Systems Neuroscience ....3 

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 ........................................3  2 ........................................3 
3 ........................................3 

Take 2 courses from the Cognition Emphasis List
(courses cannot double-dip)
1 ........................................3  2 ........................................3 

EMPHASIS ELECTIVES

Complete 15 units from one emphasis listed below.
Course listing at nsccs.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 ____