

# BACHELOR OF SCIENCE IN NEUROSCIENCE & COGNITIVE SCIENCE

NAME \_\_\_\_\_ STUDENT ID \_\_\_\_\_

EXPECTED GRADUATION \_\_\_\_\_ FOCUS: NEUROSCIENCE / COGNITIVE SCIENCE ARIZONA ONLINE CATALOG: 2018-21

## 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.....

**Mathematics** - Requirement satisfied by supporting coursework

### Tier One

#### Individuals & Societies

- \_\_\_\_\_ 150 \_\_\_\_\_ 3   
 \_\_\_\_\_ 150 \_\_\_\_\_ 3

#### Traditions & Cultures

- \_\_\_\_\_ 160 \_\_\_\_\_ 3   
 \_\_\_\_\_ 160 \_\_\_\_\_ 3

### Tier Two

#### Individuals & Societies

- \_\_\_\_\_ 3

#### Humanities

- \_\_\_\_\_ 3

#### Arts

- \_\_\_\_\_ 3

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

One course must be taken from the Diversity Emphasis list

## NSCS FOUNDATION/SUPPORTING COURSEWORK

### Chemistry

CHEM 141 **and** 145 (F, S, SS)..... 4

### Biology

MCB 181R (lec) (F, S, SS) **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).....3

## FOUNDATION FOCUS (MUST MATCH MAJOR FOCUS)

Complete 12 units from one focus

### Option 1: Neuroscience Focus

- CHEM 142 **and** 146 (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.....3

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

- Cognitive Psychology  Linguistics  Philosophy

1. \_\_\_\_\_  2. \_\_\_\_\_   
 3. \_\_\_\_\_

## GATEWAY COURSE

NSCS 200 Fundamentals of Neurosci & Cog Sci.....3   
 \*Course pre-reqs: MCB 181R/L **and** PSY 101 or 150A1

## MAJOR CORE (MUST COMPLETE NSCS 200 FIRST)

- NSCS 307 Cellular Neurophysiology (F) (Honors Section)....3-4   
 NSCS 308 Methods in Neuroscience (F).....1   
 NSCS 311 Scientific Programming with MATLAB (F, S).....3   
 NSCS 320 Issues & Themes in Cognitive Science (F).....3   
 NSCS 321 Methods in Cognitive Science (F).....1

## MAJOR FOCUS (MUST MATCH FOUNDATION FOCUS)

Complete 6 units from one focus

### Option 1: Neuroscience Focus

- 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

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

1. \_\_\_\_\_  2. \_\_\_\_\_

## 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. Course listing at [nscs.arizona.edu](http://nscs.arizona.edu)

- Cognition \_\_\_\_\_  
 Computation \_\_\_\_\_  
 Development & Aging \_\_\_\_\_  
 Lang. & Comm Sci \_\_\_\_\_  
 Neurobiology \_\_\_\_\_  
 Philosophy of Mind \_\_\_\_\_  
 Thematic \_\_\_\_\_

Total Units \_\_\_\_\_

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 \_\_\_