Academic Advisement Report
UGRD.USCNC.NCSBS
Undergraduate Career
College of Science Program
Neuroscience & Cognitive Sci Major (BS)
Requirement Term: Fall 2011

**Undergraduate Graduation Requirements**

All course work and requirements for this degree must be completed prior to the date the degree is awarded. The University of Arizona requirements to follow in this audit are required for graduation and awarding of the degree.

Curriculum:
1. The University of Arizona and the Arizona Board of Regents have sole discretion over all curricula changes.
2. Courses, programs & requirements may be suspended, deleted, restricted, or changed in any manner, at any time.
3. Students must remain currently informed about all policies & other info that bears on completing a degree.

Required Units:
Additional units will be required to complete this degree if a student:
A) is admitted to the UA with deficiencies;
B) changes his/her academic plan(s);
C) fails to meet minimum course/plan requirements;
D) ineffectively plans or fails to execute a course of study that leads directly to degree completion; or
E) is completing more than one baccalaureate degree.

The following requirements must be met for graduation.

**Units Required and Cumulative GPA**
120 units are required at a 2.0 GPA. View the pdf report grid for units earned toward this degree and cumulative GPA.

Completing a second bachelor's degree at The University of Arizona requires no fewer than 30 units in addition to the units required for the first degree, and all requirements for the second degree must be met.

**Upper Division Units**
Not Satisfied: A minimum of 42 units of upper-division credit are required for this degree.

- Units: 42.00 required, 0.00 completed, 42.00 needed

**Units in Residence**
Not Satisfied: A minimum of 30 units in residence at The University of Arizona (excluding correspondence credit and credit by exam) is required.

- Units: 30.00 required, 0.00 completed, 30.00 needed

**Final Units in Residence**
Not Satisfied: A minimum of 18 of the final 30 units taken toward degree requirements must be in residence at The University of Arizona.

- Units: 18.00 required, 0.00 completed, 18.00 needed

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### Correspondence and/or Exam Credit Limit

**Satisfied:** A maximum of 60 units of Correspondence Credit and/or Exam Credit may apply toward graduation.

### Non Degree Seeking Limit

A maximum of 15 units completed as a non-degree seeking student may be used for fulfilling undergraduate degree requirements. Units exceeding this limit must be subtracted from the units required towards the degree and graduation requirements.

### Community College Limit

**Not Satisfied:** A maximum of 64 units of community college course work may apply toward graduation. A minimum of 56 units of course work must be completed at a 4-year institution, military institution, or as test credit.

- **Units:** 56.00 required, 0.00 completed, 56.00 needed

### Success Course Limit

**Satisfied:** No more than 3 units will apply toward a student's graduation requirements. Success Course units exceeding the 3 unit maximum must be subtracted from the total units, residency requirements and cumulative grade point average.

### Foundation Mathematics

**Not Satisfied:** Foundation Mathematics

### GE Substantial Math Strand

**Not Satisfied:** GE Substantial Math Strand

- **Units:** 2.67 required, 0.00 completed, 2.67 needed
- **Courses:** 0.00 completed
Courses Available

MATH 124, MATH 125, MATH 125-CC, MATH 250A

Undergraduate General Education and Foundation Requirements

Overall Requirement Not Satisfied: Undergraduate General Education and Foundation Requirements

Foundation Composition

Not Satisfied: Complete 1 of the 2 following options:
1. First and Second Semester Composition OR
2. Honors Composition

Mid-Career Writing Assessment - Complete 2nd semester English Composition with a B grade or higher. Students who do not earn a grade of B or better in 2nd semester English Composition must also satisfy a college or department writing requirement. Consult your major advisor if you do not earn a grade of B in 2nd semester English Composition.

Option 1: First Semester Composition

Not Satisfied: Complete 1 course.

- Courses: 1.00 required, 0.00 completed, 1.00 needed

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Courses Available

ENGL 101, ENGL 103H, ENGL 107

AND Option 1: Second Semester Composition

Not Satisfied: AND Complete 1 course

- Courses: 1.00 required, 0.00 completed, 1.00 needed

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Courses Available

ENGL 102, ENGL 104H, ENGL 108

OR Option 2: Honors Composition

Not Satisfied: OR Complete 1 course with a C or better.

- Courses: 1.00 required, 0.00 completed, 1.00 needed

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Courses Available

ENGL 109H
**Foundation Second Language - Second Semester Proficiency**

**Not Satisfied:** Credit will not be given for a course at an equivalent or lower level than prior language credit earned. Course must be taken for a grade, not as pass/fail. Third semester or higher courses used to fulfill this requirement may also be used to fulfill other requirements.

Demonstrate second semester proficiency in a second language by completing a sequence of courses through a second semester or higher level or by passing a language proficiency examination at the second semester level or higher.

**Second Semester Language Course**

**Not Satisfied:** Complete 1 course.


- **Courses:** 1.00 required, 0.00 completed, 1.00 needed

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**Courses Available**


**General Education Tier I**

**Overall Requirement Not Satisfied:** Complete 2 courses in each of the following areas.

**Tier I Individuals & Societies**

**Not Satisfied:** Fulfillment of Individuals and Societies requires completion of two distinctly numbered courses (e.g., INDV 101 & 103 or PSY 150A1 & ANTH 150B1 or PSY 150A1 & INDV 103).

Only one course may be completed from the 150A options OR INDV 101. Only one course may be completed from the 150B options OR INDV 102. Only one course may be completed from the 150C options OR INDV 103.

INDV 101 = 150A#
INDV 102 = 150B#
INDV 103 = 150C#

- **Courses:** 2.00 required, 0.00 completed, 2.00 needed

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**Courses Available**

Tier I Traditions & Cultures

Not Satisfied: Fulfillment of Traditions and Cultures requires completion of two distinctly numbered courses (e.g., TRAD 102 & 104 or AFAS 160C2 & RSSS 160C1 or TRAD 101 & RSSS 160C1).

Only one course may be completed from the 160A options OR TRAD 101. Only one course may be completed from the 160B options OR TRAD 102. Only one course may be completed from the 160C options OR TRAD 103. Only one course may be completed from the 160D options OR TRAD 104.

TRAD 101 = 160A#
TRAD 102 = 160B#
TRAD 103 = 160C#
TRAD 104 = 160D#

· Courses: 2.00 required, 0.00 completed, 2.00 needed

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Courses Available


General Education Tier II

Overall Requirement Not Satisfied: Complete 1 course from each of the following areas.

Tier II Arts

Not Satisfied: Complete 3 units.

· Units: 3.00 required, 0.00 completed, 3.00 needed

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Courses Available

ARC 325, ARE 130, ARH 201, ARH 202, ARH 202-SA, ARH 203, ARH 312, ARH 314, ARH 315-SA, ARH 316A, ARH 316B, ARH 319, ARH 320, ARH 321, ARH 322, ARH 324, ARH 325, ARH 329, ART 203, ART 242, ART 329, ART 358, CLAS 329, DCC 100, DCC 112A, DCC 112B, DCC 112C, DCC 143, DCC 144A, DCC 144B, DCC 144C,
Tier II Humanities

Not Satisfied: Prerequisite course work in Tier 1 Traditions and Cultures (TRAD) must be completed prior to taking. If LAT 201 or 202 are used to fulfill Foundation Second Language Proficiency, they cannot be used to fulfill Tier II Humanities.

· Courses: 1.00 required, 0.00 completed, 1.00 needed

Courses Available


Tier II Individual & Societies

Not Satisfied: Prerequisite course work in Tier 1 Individuals and Societies (INDV) must be completed prior to taking.

· Courses: 1.00 required, 0.00 completed, 1.00 needed

Courses Available


Diversity Emphasis Course

Not Satisfied: One course must be taken that focuses on Gender, Race, Class, Ethnicity, Sexual Orientation or Non-Western Area Studies.

Courses used to fulfill this requirement may also be used to fulfill other requirements.
Not Satisfied: General Education Diversity Emphasis Course: Gender, Race, Class, Ethnicity, Sexual Orientation or Non-Western Area Studies.

INDV 101 will only fulfill this area if topic taken is "Race, Ethnicity, and the American Dream".

- Courses: 1.00 required, 0.00 completed, 1.00 needed

Courses Available


Additional Coursework

Courses listed in this section may include general elective credits, UA courses and transferable courses from other institutions. Consult with your advisor to determine if courses listed in this section may be used to fulfill a requirement or subrequirement in your degree program.

Courses taken for Pass/Fail option can only count as elective credit. They cannot fulfill any General Education, Major, or Minor requirements.

BS in Neuroscience and Cognitive Science

Overall Requirement Not Satisfied: Bachelor of Science in Neuroscience and Cognitive Science

Complete the pre-major, pre-requisites, core courses and one of the following emphasis areas: Language and Communication Science, Computational Neuroscience, Neurobiology, Neuroscience of Aging, Learning and Memory, or Thematic.

You must complete 1 of the following:

- Communication Science Option
- Computational Neuroscience Option
- Neurobiology Option
- Neuroscience of Aging Option
- Thematic Option
- Language and Comm Science Specialization
Learning and Memory Specialization

Neuroscience and Cognitive Science Pre-Major

Overall Requirement Not Satisfied: Students will be eligible to apply for the NSCS major when they have (1) Completed (or very nearly completed) the pre-requisite courses with a 2.5 cumulative GPA in Biology and a 2.5 cumulative GPA in Chemistry; (2) Enrolled in or already completed NSCS 200; Fundamentals of Neuroscience and Cognitive Science with a final grade of 3.0. If currently enrolled in NSCS 200 at the time of application, admission to the major will be conditional upon receiving the 3.0 final grade.

1. Chemistry I
   Not Satisfied: Complete 4 units.
   - Units: 4.00 required, 0.00 completed, 4.00 needed

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Courses Available

CHEM 103A, CHEM 103A-CC, CHEM 104A, CHEM 105A, CHEM 106A, CHEM 151, (***) (###)

2. Chemistry II
   Not Satisfied: Complete 4 units.
   Note: Organic Chemistry is not required for the NSCS degree but it is STRONGLY recommended for ALL students who wish to pursue a Neuroscience track within the major. Organic Chemistry IS a Pre-Health requirement and (usually) a Graduate Program requirement. Students who would like to pursue a Cognitive Science track should see the NSCS program coordinator for recommended supplemental courses.
   - Units: 4.00 required, 0.00 completed, 4.00 needed

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Courses Available

CHEM 103B, CHEM 103B-CC, CHEM 104B, CHEM 105B, CHEM 106B, CHEM 152, (***) (###)

3. Introductory Biology I
   Not Satisfied: Complete 4 units.
   - Units: 4.00 required, 0.00 completed, 4.00 needed

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Courses Available

MCB 181L, MCB 181R, MCB 184
4. Introductory Biology II
   **Not Satisfied:** Complete 4 units.
   - **Units:** 4.00 required, 0.00 completed, 4.00 needed

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**Courses Available**

- ECOL 182L, ECOL 182R

5. Option I: Introductory Physics
   **Not Satisfied:** Complete 8 units.
   - **Units:** 8.00 required, 0.00 completed, 8.00 needed

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**Courses Available**

- PHYS 102, PHYS 102-CC, PHYS 103, PHYS 103-CC, PHYS 181, PHYS 182

OR 5. Option II: Introductory Physics with Calculus
   **Not Satisfied:** Complete 2 courses.
   - **Courses:** 2.00 required, 0.00 completed, 2.00 needed

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**Courses Available**

- PHYS 141, PHYS 241

6. Calculus
   **Not Satisfied:** Complete 1 course.
   - **Courses:** 1.00 required, 0.00 completed, 1.00 needed

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**Courses Available**

- MATH 124, MATH 125, MATH 125-CC, MATH 250A
7. Statistics

Not Satisfied: Complete 1 course.

- Courses: 1.00 required, 0.00 completed, 1.00 needed

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Courses Available

ISTA 116, MATH 263, MATH 263-CC, PSY 230, PSY 230-CC

8. Introductory Psychology

Not Satisfied: Complete 1 course.

- Courses: 1.00 required, 0.00 completed, 1.00 needed

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Courses Available

PSY 101, PSY 101-CC, PSY 150A1, PSY 150A1-SA

Neuroscience and Cognitive Science Major

Overall Requirement Not Satisfied: Neuroscience and Cognitive Science Major Core Courses

1. Core Courses

Not Satisfied: Complete 6 courses.
Select from NSCS 200, NROS 307, NROS 310, NSCS 315, NSCS 320, and PSIO 4## Systems Neurophysiology OR PSIO 464

- Courses: 6.00 required, 0.00 completed, 6.00 needed

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Courses Available

BIOC 464, MCB 464, NROS 307, NROS 310, NRSC 464, NSCS 200, PSIO 464

2. Core Courses

Not Satisfied: Complete 1 course.
Select from NSCS 4##, Learning and Memory; NSCS 4##, Development of the Nervous System; or PSY 402.

- Courses: 1.00 required, 0.00 completed, 1.00 needed

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#### 3. Additional Program Requirements

**Not Satisfied:** Students are required to attend two special lectures during the course of their tenure in the program, one on ethics and one on science policy making, both offered every year. Students are also required to complete a free online course on ethical research conduct, such as the CITI course available at https://www.citiprogram.org/default.asp, for which Arizona is a participating institution. Students should provide documentation of completion of these requirements to the program coordinator, who will indicate completion of the requirements on each student's academic advising report.

### Sub-Plan Required

**Not Satisfied:** A sub-plan is required for this major. Please consult with your advisor.

Select 1 from the following Options: Computational Neuroscience Option or Language and Communication Science Option or Learning and Memory Option or Neurobiology Option or Neuroscience of Aging Option or Thematic Option.