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) Candidates for a second bachelor's degree at The University of Arizona with a different award date than the first must earn no fewer than 30 units of University Credit in addition to the units required for the first degree, and must meet all requirements for the second 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
A minimum of 18 of the final 30 units taken toward degree requirements must be in residence at The University of Arizona. Consult with your academic advisor if you plan to use transfer credits to fulfill your degree requirements.

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

- Units: 0.00 completed
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 (shown below) 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. All Success courses taken can be seen below. Success Course units exceeding the 3 unit maximum must be subtracted from the total units, residency requirements and cumulative grade point average.

PE Activity Course Limit

Satisfied: No more than 3 units will apply toward a student's graduation requirements. All PE activity courses taken can be seen below. PE Activity 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

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Courses Available

MATH 122B, MATH 125

Undergraduate General Education and Foundation Requirements
Overall Requirement Not Satisfied: Undergraduate General Education and Foundation Requirements

**Foundation Composition**

**Not Satisfied:** Complete 1 of the following 4 Foundation Composition options:
1. 3 Course Foundation Composition Sequence
2. 2 course Foundation Composition sequence
3. Honors Composition with grade of C or higher
4. Honors Composition with a grade of D and Second Semester Composition.

Please note: Students who earn a grade of D in Honors Composition may choose to repeat the course in order to earn a higher grade to satisfy the requirement. Please consult with your major advisor.

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: Foundation Composition - 3 Course Sequence**

**Not Satisfied:** Complete 3 courses. Complete ENGL 106 AND ENGL 101/107 AND ENGL 102/108.

- Courses: 3.00 required, 0.00 completed, 3.00 needed

**Courses Available**

ENGL 101, ENGL 101A, ENGL 107, ENGL 107A, ENGL 102, ENGL 108, ENGL 106

**OR Option 2: Foundation Composition - 2 Course Sequence**

**Not Satisfied:** Complete 2 courses. Complete ENGL 101/107 AND ENGL 102/108

- Courses: 2.00 required, 0.00 completed, 2.00 needed

**Courses Available**

ENGL 101, ENGL 101A, ENGL 107, ENGL 107A, ENGL 102, ENGL 108

**OR Option 3: Honors Composition**

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

- Courses: 1.00 required, 0.00 completed, 1.00 needed

**Courses Available**

ENGL 109H
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. A grade of C or higher is required in the course that satisfies the second language requirement.

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 with a grade of C or better.


Courses:
1.00 required, 0.00 completed, 1.00 needed

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General Education Tier I

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

Tier I Individuals & Societies

Not Satisfied: Complete 2 courses, 6 units total. Transfer students with quarter system credits may satisfy Tier One requirements with 2 courses and 5.34 units.

Units: 5.34 required, 0.00 completed, 5.34 needed

Courses:
2.00 required, 0.00 completed, 2.00 needed

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Courses Available

(***)(###), AFAS 150B1, ANTH 150B1, ART 150B1, ART 150B2, EDP 150B1, ENGL 150B1, ESOC 150B1, FREN 150B1, FSHD 150B1, FTV 150B1, GEOG 150B1, GER 150B1, GWS 150B2, GWS 150B3, GWS 150B4, GWS 150B5, HNRS 150B1, ITAL 150B1, LAR 150B1, LAS 150B1, MAS 150B1, MAS 150B2, MIS 150B1, PA 150B1, PHIL 150B1, POL 150B1, RCSC 150B1, RCSC 150B2, RELI 150B1, RSSS 150B1, RSSS 150B2, SOC 150B1, SOC 150B2, SPAN 150B1, SPAN 150B2, TLS 150B1, AED 150A1, ANTH 150A1, ART 150A1, GER 150A1, HUMS 150A1, HWRS 150A1, LING 150A1, MIS 150A1, PHIL 150A1, POL 150A1, PSY 150A1, AED 150C1, AREC 150C1, AREC 150C2, ECON 150C1, GEOG 150C1, HIST 150C1, HIST 150C2, HIST 150C3, HIST 150C4, HIST 150C5, HIST 150C6, HNRS 150C1, HPS 150C1, JOUR 150C1, MAS 150C1, MESA 150C1, MESA 150C1, NCS 150C1, PHIL 150C1, PLP 150C1, POL 150C1, POL 150C2, POL 150C3, RNR 150C1, SOC 150C1, SOC 150C2, TLS 150C1

Tier I Traditions & Cultures

Not Satisfied: Transfer students with quarter system credits may satisfy Tier One requirements with 2 courses and 5.34 units.
- **Units**: 5.34 required, 0.00 completed, 5.34 needed
- **Courses**: 2.00 required, 0.00 completed, 2.00 needed

### Courses Available

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**General Education Tier II**

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

**Tier II Arts**

**Not Satisfied**: Complete 1 course, 3 units total. Transfer students with quarter system credits may satisfy Tier Two requirements with 2.67 units.

- **Units**: 2.67 required, 0.00 completed, 2.67 needed
- **Courses**: 1.00 required, 0.00 completed, 1.00 needed

### Courses Available

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<th>Term</th>
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**Tier II Humanities**

**Not Satisfied**: Complete 1 course, 3 units total. Transfer students with quarter system credits may satisfy Tier Two requirements with 2.67 units. 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.

- **Units**: 2.67 required, 0.00 completed, 2.67 needed
- **Courses**: 1.00 required, 0.00 completed, 1.00 needed
Courses Available


Tier II Individual & Societies

Not Satisfied: Complete 1 course, 3 units total. Transfer students with quarter system credits may satisfy Tier Two requirements with 2.67 units. Prerequisite course work in Tier 1 Individuals and Societies (INDV) must be completed prior to taking.

- **Units:** 2.67 required, 0.00 completed, 2.67 needed
- **Courses:** 1.00 required, 0.00 completed, 1.00 needed

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<th>Term</th>
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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.

**Diversity Emphasis Course**

Not Satisfied: General Education Diversity Emphasis Course: Gender, Race, Class, Ethnicity, Sexual Orientation or Non-Western Area Studies.

- **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 sub-requirement 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 foundation courses, pre-major course, major core courses, and an emphasis area.

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 enrolled in the necessary NSCS foundation courses [consult NSCS curriculum guides or an NSCS advisor for required courses] (2) achieved a minimum 2.5 science GPA [courses included in science GPA vary by track - consult the NSCS website or an NSCS advisor for details]; (3) Enrolled in NSCS 200; Fundamentals of Neuroscience and Cognitive Science. Most students will be enrolled in NSCS 200 at the time of application and full admission to the major will be conditional upon receiving the required 3.0 or higher final grade in the course.

Select either the Neuroscience or Cognitive Science Track.

Not Satisfied: The NSCS major offers students a choice between two tracks within the major: a Cognitive Science Track and a Neuroscience Track. Each track leads to the same degree (BS in NSCS) and a substantial number of courses are common to both tracks. Students should be prepared to select a track by the end of their first semester but can easily switch at a later date if they so choose.
Chemistry I

Not Satisfied: Complete 4 units.

- Units: 4.00 required, 0.00 completed, 4.00 needed

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Courses Available

CHEM 151, Approved Transfer Course, CHEM 105A, CHEM 106A

Chemistry II

Not Satisfied: Students in the Neuroscience Track must complete 4 units.

- Units: 4.00 required, 0.00 completed, 4.00 needed

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Courses Available

CHEM 152, Approved Transfer Course, CHEM 105B, CHEM 106B, CHEM 241A

Chemistry III

Not Satisfied: Students in the Neuroscience Track must complete 4 units.

- Units: 4.00 required, 0.00 completed, 4.00 needed

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Courses Available

CHEM 241A, CHEM 242A, CHEM 243A

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, Approved Transfer Course

Introductory Physics I  
Not Satisfied: Complete 4 units.
Note: Students may complete either PHYS 102 and 181 OR PHYS 141 with lab.

- Units: 4.00 required, 0.00 completed, 4.00 needed

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Courses Available

PHYS 102, PHYS 181, PHYS 141, PHYS 161H

Introductory Physics II  
Not Satisfied: Students in the Neuroscience Track must complete 4 units.
Note: Students may complete either PHYS 103 and 182 OR PHYS 241 with lab

- Units: 4.00 required, 0.00 completed, 4.00 needed

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Courses Available

PHYS 103, PHYS 182, PHYS 241, PHYS 261H

Calculus  
Not Satisfied: Complete 1 course.

- Courses: 1.00 required, 0.00 completed, 1.00 needed

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Courses Available

MATH 122B, MATH 125

Statistics  
Not Satisfied: Complete 1 course.

- Courses: 1.00 required, 0.00 completed, 1.00 needed

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</table>
Courses Available

MATH 263, PSY 230

Programming

Not Satisfied: Complete 1 course. Other intro programming courses may be considered, contact advisor.

- Courses: 1.00 required, 0.00 completed, 1.00 needed

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Courses Available

NROS 311

Philosophy

Not Satisfied: Complete 1 course.

- Courses: 1.00 required, 0.00 completed, 1.00 needed

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Courses Available

PHIL 241, PSY 241

Linguistics

Not Satisfied: Complete 1 course. Students in the Cognitive Science track must complete 1 course.

- Courses: 1.00 required, 0.00 completed, 1.00 needed

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Courses Available

LING 201, PSY 201

Gateway Course

Not Satisfied: Complete 1 course.

- Courses: 1.00 required, 0.00 completed, 1.00 needed

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</table>
Courses Available

NSCS 200

Neuroscience and Cognitive Science Major Core

Overall Requirement Not Satisfied: The major core consists of 23 units for the Cognitive Science Track and 14 units for the Neuroscience Track.

Core Courses

Not Satisfied: Complete 4 courses. Note: Students must complete NSCS 200 prior to taking these core courses.

- Courses: 4.00 required, 0.00 completed, 4.00 needed

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Courses Available

NROS 307, NSCS 315A, NSCS 315B, NSCS 320

Additional Core Courses - Neuroscience Track

Not Satisfied: Students in the Neuroscience Track must complete 2 courses.

- Courses: 2.00 required, 0.00 completed, 2.00 needed

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Courses Available

NROS 310, NROS 418

Additional Core Courses - Cognitive Science Track

Not Satisfied: Students in the Cognitive Science Track must complete NSCS 344 and four courses from at least three categories: Cognitive Psychology, Computational Methods, Linguistics and Philosophy.

Note: some of these courses are also offered as emphasis electives. The same course cannot be used to fulfill more than one requirement.

- Courses: 1.00 required, 0.00 completed, 1.00 needed

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Courses Available

NSCS 344
Cognitive Science Core

Overall Requirement Not Satisfied: Complete 1 course from 4 of the 5 areas for a total of 4 courses.

Computational Methods

Not Satisfied: Complete 1 course.

- Courses: 1.00 required, 0.00 completed, 1.00 needed

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Courses Available

CSC 439, CSC 483, ISTA 410, ISTA 450, ISTA 455, LING 439, MATH 485

Cognitive Psychology

Not Satisfied: Complete 1 course.

- Courses: 1.00 required, 0.00 completed, 1.00 needed

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Courses Available

PSY 326, PSY 329, PSY 333, PSY 340, PSY 433

Linguistics

Not Satisfied: Complete 1 course.

- Courses: 1.00 required, 0.00 completed, 1.00 needed

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Courses Available

ENGL 322, LING 300, LING 315, LING 322, LING 341, LING 388, LING 432, LING 449A, PHIL 432, PHIL 449A, PSY 341, PSY 432, PSY 449A, SLHS 341

Philosophy

Not Satisfied: Complete 1 course.

- Courses: 1.00 required, 0.00 completed, 1.00 needed

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Courses Available

CSC 455, LING 449A, PHIL 346, PHIL 442, PHIL 449A, PHIL 450, PHIL 455, PSY 346, PSY 442, PSY 449A, PSY 455

Additional Content Course

Not Satisfied: Complete 1 course.

- Courses: 1.00 required, 0.00 completed, 1.00 needed

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Courses Available


Thematic Emphasis

Overall Requirement Not Satisfied: Thematic Emphasis

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Thematic Emphasis

Overall Requirement Not Satisfied: Under unusual circumstances, when a student has a particular passion and very well articulated objective for studying a topic area not found within the array of defined emphasis areas, the student may work with the NSCS Faculty Director of the NSCS major to customize an emphasis to their specific interests from courses offered within the Departments that comprise the School of Mind, Brain and Behavior or from courses offered elsewhere at the University. Before beginning thematic emphasis courses, students wishing to do a thematic emphasis must meet with the NSCS Faculty Director, complete a thematic emphasis contract specifying the agreed-upon series of courses, and have that contract approved by the Director. An NSCS staff member will then add the selected courses to the student’s Advisement Report and the contract will be kept in the student’s file. Ordinarily, choice of emphasis is made shortly after admission to the major. Any amendments to the contract must be approved by the Director.

Thematic Emphasis

Not Satisfied: Complete 15 units in coordination with the NSCS Director. A maximum of 6 units of research, internships, preceptorships and thesis credit may be taken. A minimum of 9 units must be in coursework.

- Units: 15.00 required, 0.00 completed, 15.00 needed

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Thematic Emphasis Graduation Requirements

Overall Requirement Not Satisfied: Neuroscience and Cognitive Science Thematic Emphasis Graduation Requirements

Mid Career Writing Assessment

Not Satisfied: Complete 2nd semester English Composition with a B grade or higher. Students who do not earn a grade of B or higher 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 or higher in 2nd semester English Composition.
- **Courses:** 1.00 required, 0.00 completed, 1.00 needed

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**Major Units**

Not Satisfied: Students in the Cognitive Science Track must complete a minimum of 41 units in the major.

- **Units:** 41.00 required, 0.00 completed, 41.00 needed

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**Major Units**

Not Satisfied: Students in the Neuroscience Track must complete a minimum of 32 units in the major.

- **Units:** 32.00 required, 0.00 completed, 32.00 needed

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**Major GPA**

Satisfied: A minimum 2.0 GPA is required in the major coursework.
- **Units**: 0.00 completed
- **GPA**: 2.000 required, 0.000 completed

**Major Upper Division**

**Not Satisfied**: A minimum of 18 units of upper-division major coursework must be completed.

- **Units**: 18.00 required, 0.00 completed, 18.00 needed

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**Major Residency**

**Not Satisfied**: A minimum of 18 units in the major must be taken at the University of Arizona.

- **Units**: 18.00 required, 0.00 completed, 18.00 needed

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**Minor Optional**

**Satisfied**: A minor is optional for this major. Consult with your advisor to select a minor or discuss other options such as selecting a second major.