GEOL 1113 Composition I 3
or ENGL 1313 Critical Analysis and Writing I
Select one of the following:
ENGL 1213 Composition II
ENGL 1413 Critical Analysis and Writing II
ENGL 3323 Technical Writing
American History & Government
HIST 1103 Survey of American History 3
or HIST 1483 American History to 1865 (H)
or HIST 1493 American History Since 1865 (DH)
POLS 1113 American Government 3
Analytical & Quantitative Thought (A)
MATH 2144 Calculus I (A) 1, 2 4
3 hours STAT designated (A) 1, 2 3
Humanities (H)
PHIL 3933 Creation and Evolution 1 3
Course designated (H) 3
Natural Sciences (N)
Must include one Laboratory Science (L) course
GEOL 1114 Physical Geology (LN) 1, 2 4
BIOL 1114 Introductory Biology (LN) 1, 2 4
PHYS 2014 University Physics I (LN) 1, 2 4
or PHYS 1114 College Physics I (LN)
Social & Behavioral Sciences (S)
Course designated (S) 3
Hours Subtotal 40
Diversity (D) & International Dimension (I)
May be completed in any part of the degree plan
Select at least one Diversity (D) course
Select at least one International Dimension (I) course
College/Departmental Requirements
First Year Seminar
(Transfer students with 15 hours exempt) 1
Arts & Humanities
See note 2.a.

Natural & Mathematical Sciences
CHEM 1314 Chemistry I (LN) 4
CHEM 1515 Chemistry II (LN) 5
Foreign Language
See note 3
0-6 hours
Upper-Division General Education
Select 6 hours outside major department. See note 2.c.
Hours Subtotal 13
Major Requirements
Minimum GPA 2.50 and minimum grade of "C" or "P" for courses in Geology Core and those denoted with 2
ASTR 1023 Stars, Galaxies, Universe (N) 3
GEOL 1224 Evolution of the Earth (LN) 4
GEOL 2464 Rocks and Minerals 4
GEOL 2773 Introduction to Planetary Geology (N) 3
GEOL 3014 Structural Geology 4
GEOL 3034 Principles of Stratigraphy and Sedimentology 4
GEOL 3503 Environmental Geology (N) 3
GEOL 4503 Introduction to Oceanography (N) 3
GEOG 3023 Climatology (N) 3
or GEOG 3033 Meteorology (N) 3
Secondary Education Professional Core
Minimum GPA 2.50 and minimum grade of "C" or "P" in each course
SMED 1012 Inquiry Approaches to Teaching 2
SMED 3013 Knowing and Learning in Mathematics and Science 3
SMED 4013 Classroom Interactions 3
SMED 4023 Problem-Based Learning in Mathematics and Science 3
SMED 4611 Authentic Research in the Science Classroom 1
SMED 4613 Teaching the Nature of Science Through an Inquiry Approach 3 3
SMED 4713 Teaching and Learning Science in the Secondary School 3
SMED 4723 Senior Seminar in Secondary Mathematics and Science Education 3 3
SPED 3202 Educating Exceptional Learners (D) 2
CIED 4720 Internship in the Secondary Classroom (6 hours) 3 6
Hours Subtotal 60
Electives
Select 7 hours
May need to include 6 hours of a foreign language (see note 3)
Suggested electives for Physical Science Certification:
CHEM 3013 or CHEM 3015 and PHYS 1214 or PHYS 2114
MATH 1513 and MATH 1813 required for students who do not place directly into MATH 2144
Hours Subtotal 7
Total Hours 120
College of Arts and Sciences

Other Requirements

1. College and Departmental Requirements that may be used to meet General Education Requirements.
2. Minimum GPA 2.50 and minimum grade of "C" or "P" for courses in College Departmental Requirements. The General Education requirement may be satisfied by courses numbered 3000 or above. Full admission to Professional Education required.

Foreign Language Proficiency

A&S College/Departmental Requirements

a. Arts and Humanities are defined as any course carrying an (H) designation or courses from AMST, ART, DANC, ENGL (except ENGL 3323 Technical Writing) HIST, MUSI, PHIL (except PHIL 1313 Logic and Critical Thinking (A), PHIL 3003 Symbolic Logic (A) and PHIL 4003 Mathematical Logic and Computability), REL, TH, and foreign languages.

b. Natural and Mathematical Sciences are defined as any course from the following prefixes: ASTR, BIOL, BIOL, CHEM, CS (except CS 4883 Social Issues in Computing), GEO, MATH, MICH, PBO, PHYS, and STAT; or courses from other departments that carry an (A) or (N) general education designation.

c. The required six hours of upper-division General Education may not include courses from the student’s major department. This requirement may be satisfied by courses also used to satisfy any part of a student’s degree program (i.e., in General Education, College Departmental Requirements, Major Requirements or Electives).

2. A&S College/Departmental Requirements

- Upper-Division Credit: Total hours must include at least 40 hours in courses numbered 3000 or above.
- Hours in One Department: For B.A. and B.S. degrees, no more than 54 hours in one department may be applied to degree requirements.

College of Arts and Sciences

Requirements

1. General Education Requirements

   No more than two courses (or eight hours) from the major department (http://catalog.okstate.edu/college-arts-sciences-major-departments/) may be used to meet General Education and College Departmental Requirements. The General Education requirement may be satisfied by courses numbered 3000 or above. Full admission to Professional Education required.

2. A&S College/Departmental Requirements

   a. Arts and Humanities are defined as any course carrying an (H) designation or courses from AMST, ART, DANC, ENGL (except ENGL 3323 Technical Writing) HIST, MUSI, PHIL (except PHIL 1313 Logic and Critical Thinking (A), PHIL 3003 Symbolic Logic (A) and PHIL 4003 Mathematical Logic and Computability), REL, TH, and foreign languages.

   b. Natural and Mathematical Sciences are defined as any course from the following prefixes: ASTR, BIOL, BIOL, CHEM, CS (except CS 4883 Social Issues in Computing), GEO, MATH, MICH, PBO, PHYS, and STAT; or courses from other departments that carry an (A) or (N) general education designation.

   c. The required six hours of upper-division General Education may not include courses from the student’s major department. This requirement may be satisfied by courses also used to satisfy any part of a student’s degree program (i.e., in General Education, College Departmental Requirements, Major Requirements or Electives).

4. Exclusions

   a. Courses used to satisfy the General Education English Composition, U.S. History, American Government, one required MATH or STAT course, and required foreign language for B.A. degrees do not count against the two-course maximum.

5. Teacher Certification

   Students can satisfy the requirements for secondary schools teaching certification while earning a B.A. or B.S. in the College of Arts & Sciences. Those interested should see their Arts and Sciences advisor and the OSU Professional Education Unit in room 325 Willard.

Additional State/OSU Requirements

- At least: 60 hours at a four-year institution; 30 hours completed at OSU; 15 of the final 30 or 50% of the upper-division hours in the major field completed at OSU.
- Limit of: one-half of major course requirements as transfer work; one-fourth of hours earned by correspondence; 8 transfer correspondence hours.
- Students will be held responsible for degree requirements in effect at the time of matriculation and any changes that are made, so long as these changes do not result in semester credit hours being added or do not delay graduation.
- Degrees that follow this plan must be completed by the end of Summer 2027.

Example Plan of Study

Finish in Four Plan of Study

The plan below is an example of how students can successfully complete degree requirements in four years. This suggested class schedule plan may be used as a guide and can be adjusted based on individual
needs. Students are required to meet with an academic advisor prior to enrollment each semester to plan their class schedule, and students are ultimately responsible for completing all degree requirements.

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<th>Course</th>
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<th>Hours</th>
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