



OSUTeach Degree/Major: BS/Geology Option: Secondary Teaching-Physical Science Academic Year: 2015-16

Proposed Four-Year Degree Plan (122 Total Hours)

The following is an example 8-semester plan. This is used to illustrate the course sequencing and the expectations for course loading. Students may use this as a guide as they plan their undergraduate education, but should adjust it to fit their personal goals. Students are responsible for completing requirements in the official degree sheet for each major. It is mandatory for a student to meet with an academic advisor prior to course enrollment each semester.

- Assumption: 1) Entering students have 2 years of a foreign language from high school with no grade below B.
 2) Entering students meet placement requirements for MATH 2144 (Calculus I).

Current Course Rotation: (F) = Fall only (S) = Spring only

Students must refer to the Registrar's Office website for the availability of course offerings as well as visit with their academic advisor to find out about any special offerings.

| Year One | | | | | |
|--|------|------------------------------|---|------|------------------------------|
| Fall Semester | | | Spring Semester | | |
| A&S | 1111 | Freshman Orientation | ENGL | 1213 | Freshman Composition II |
| ENGL | 1113 | Freshman Composition I | POLS | 1113 | Intro to American Government |
| HIST | 1103 | Survey of American History | CHEM | 1314 | General Chemistry I |
| MATH | 2144 | Calculus I | GEOL | 1224 | Evolution of the Earth |
| GEOL | 1114 | Physical Geology | SMED | 2011 | Inquiry-Based Lesson Design |
| SMED | 1011 | Inquiry Approach to Teaching | | | |
| Total: 16 credit hours | | | Total: 15 credit hours | | |
| 10 hours field experience. Get involved with student organizations to further your experiences. | | | 10 hours field experience. Register at Career services. It is free, and gives you countless opportunities. | | |

| Year Two | | | | | |
|------------------------|------|--------------------------|--|------|--|
| Fall Semester | | | Spring Semester | | |
| PSYC | 1113 | Introductory Psychology | SPCH | 2713 | Intro to Speech Communication |
| PHIL | 3743 | Patterns in Science | GEOL | 2364 | Igneous & Metamorphic Petrology (S) |
| CHEM | 1515 | General Chemistry II | GEOL | 3034 | Principles of Stratigraphy & Sedimentology (S) |
| GEOL | 2254 | Practical Mineralogy (F) | SMED | 3013 | Knowing, Learning in Math & Science |
| | | | SPED | 3202 | Educating Exceptional Learners (D) |
| Total: 15 credit hours | | | Total: 16 credit hours | | |
| | | | Register for & pass OGET. Pass Portfolio Submission One. | | |

| Year Three | | | | | |
|--|------|--------------------------|---------------------------|---------|--------------------------------------|
| Fall Semester | | | Spring Semester | | |
| BIOL | 1114 | Introductory Biology | SMED | 4613 | Teaching Science Through Inquiry (S) |
| STAT | 4013 | Statistical Methods I | BIOL | 3933 | Research Methods (S) |
| PHYS | 2014 | General Physics I | PHYS | 2114 | General Physics II |
| PHIL | 3933 | Creation & Evolution (F) | CHEM | 3015 | Chemistry of Organic Compounds |
| SMED | 4013 | Classroom Interactions | | 3 hours | Arts & Humanities with International |
| Total: 17 credit hours | | | Total: 18 credit hours | | |
| 30 hours field experience. Apply for Professional Education. | | | Register for & pass OSAT. | | |

Between Years Three and Four, contact your advisor about an official graduation check.

| Year Four | | | | | |
|--|--------------|--|--|---------|---|
| Fall Semester | | | Spring Semester | | |
| SMED | 4713 | Teaching & Learning in Secondary Schools | CIED | 4720(6) | Internship in Secondary Education |
| ASTR | 1013 or 1023 | The Solar System (F) or Stars, Galaxies & the Universe (S) | SMED | 4723 | Senior Seminar in Secondary Science/Math Teaching |
| SMED | 4023 | Problem-Based Learning | File a Diploma Application. Register for & pass OPTE. Pass Portfolio Submission Three. | | |
| GEOL | 3014 | Structural Geology | | | |
| GEOG | 3023 or 3033 | Climatology (F) or Meteorology | | | |
| Total: 16 credit hours | | | Total: 9 credit hours | | |
| 36 hours field experience. Pass Portfolio Submission Two. | | | Celebrate your accomplishment at May Graduation with your fellow Cowboys!! | | |

OTHER REQUIREMENTS:

The College of Arts & Sciences requires 6 hours Upper-Division General Education outside the major department.

Total hours must include at least 40 hours in courses numbered 3000 or above.

Hours in one department in excess of 54 will be added to the minimum total of 120 required for graduation.

1. GENERAL EDUCATION REQUIREMENTS

a. No more than two courses (or eight hours) from the major department may be used to meet General Education and College and Departmental Requirements. The General Education Controlled Elective, required English Composition, required U.S. History, required American Government, one required MATH course, and required foreign language for B.A. degrees do not count against the two-course maximum.

b. The Diversity, International Dimension, and Scientific Investigation requirements 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

a. Arts and Humanities are defined as any course carrying an (H) designation or courses from AMST, ART, ENGL (except 3323), HIST, MUSI, PHIL(except 1313 and 3003), REL, TH, and foreign languages (second year and above). No more than six hours may be music or theatre performance or art studio.

b. Natural and Mathematical Sciences are defined as any course from the following prefixes: ASTR, BIOC, BIOL, BOT, CHEM, CS (except 4883), GEOL, MATH, MICR, PHYS, STAT and ZOOL; 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).

d. Non-Western Studies Requirement for B.A. and B.F.A. – consult academic advisor

e. The College of Arts & Sciences requires a minimum 2.0 GPA in all major requirements and a minimum 2.0 GPA in all major-prefix courses.

3. FOREIGN LANGUAGE PROFICIENCY

a. The foreign language requirement for the B.A. may be satisfied by 10 hours college credit in the same language, or equivalent proficiency (e.g., passing an advanced standing examination; completing a second-year or higher college-level course in the language, etc.).

b. The foreign language requirement for the B.S., B.M. and B.F.A. may be satisfied by presenting a high school transcript which demonstrates two years of study of a single foreign language (passing grades at second year level of study). It may also be satisfied by any of the options listed above for the B.A. utilizing elective hours.

c. In addition to a. and b., students pursuing secondary education teacher certification must meet novice-high foreign language proficiency by presenting a high school transcript which demonstrates two years of study of a single foreign language with no grade below B. Or, students may complete 5 hours college credit in the same language with no grade below C (or pass an advanced standing examination equivalent to 5 hours of college credit.)

4. EXCLUSIONS

a. Courses used to satisfy the English Composition, American History and Government requirement will not count toward the 54 hour maximum allowed from one department.

b. Courses with ATHL or LEIS prefixes and leisure activity courses may not be used for degree credit.