GEOLOGY: PETROLEUM GEOLOGY, BS

Degree Programs

Requirements for Students Matriculating in or before Academic Year 2022-2023. Learn more about University Academic Regulation 3.1 (http://catalog.okstate.edu/university-academic-regulations/#matriculation).

Minimum Overall Grade Point Average: 2.00
Total Hours: 120

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<th>Code</th>
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<th>Hours</th>
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<tr>
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<td>General Education Requirements</td>
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<td><strong>English Composition</strong></td>
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<td>See Academic Regulation 3.5 (<a href="http://catalog.okstate.edu/university-academic-regulations/#english-composition">http://catalog.okstate.edu/university-academic-regulations/#english-composition</a>)</td>
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<tr>
<td>ENGL 1113</td>
<td>Composition I</td>
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<tr>
<td>or ENGL 1313</td>
<td>Critical Analysis and Writing I</td>
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<tr>
<td>ENGL 1213</td>
<td>Composition II</td>
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<tr>
<td>or ENGL 1413</td>
<td>Critical Analysis and Writing II</td>
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<td>or ENGL 3323</td>
<td>Technical Writing</td>
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<tr>
<td></td>
<td><strong>American History &amp; Government</strong></td>
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<tr>
<td>HIST 1103</td>
<td>Survey of American History</td>
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<td>or HIST 1483</td>
<td>American History to 1865 (H)</td>
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<td>or HIST 1493</td>
<td>American History Since 1865 (DH)</td>
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<td>POLS 1113</td>
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<td></td>
<td><strong>Analytical &amp; Quantitative Thought (A)</strong></td>
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<tr>
<td>MATH 2144</td>
<td>Calculus I (A)</td>
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<td><strong>Humanities (H)</strong></td>
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<td>Courses designated (H)</td>
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<td><strong>Natural Sciences (N)</strong></td>
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<td>Must include one Laboratory Science (L) course</td>
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<td>PHYS 2014</td>
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<td>BIOL 1113</td>
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<td>&amp; BIOL 1111</td>
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<td>BIOL 1114</td>
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<td><strong>Social &amp; Behavioral Sciences (S)</strong></td>
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<td>Course designated (S)</td>
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<td>Courses designated (A), (H), (N), or (S)</td>
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<td><strong>Diversity (D) &amp; International Dimension (I)</strong></td>
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<td>May be completed in any part of the degree plan.</td>
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<td>At least one Diversity (D) course</td>
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<td>At least one International Dimension (I) course</td>
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<td><strong>College/Departmental Requirements</strong></td>
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<tr>
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<td>First Year Seminar</td>
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<td>(Transfer students with 15 hours exempt)</td>
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<td>Arts &amp; Humanities</td>
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<td>(See note 2.a.)</td>
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<tr>
<th>Code</th>
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<td>Natural &amp; Mathematical Sciences</td>
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<td>CHEM 1314</td>
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<td>CHEM 1515</td>
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<td><strong>Upper-Division General Education</strong></td>
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<td>0-6 hours</td>
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<td><strong>Major Requirements</strong></td>
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<td>Minimum grade of &quot;C&quot; in all Major Required courses.</td>
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<td><strong>Core Curriculum:</strong></td>
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<tr>
<td>GEOL 1114</td>
<td>Physical Geology (LN)</td>
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<td>GEOL 1224</td>
<td>Evolution of the Earth (LN)</td>
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<td>GEOL 2464</td>
<td>Rocks and Minerals</td>
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<tr>
<td>GEOL 3014</td>
<td>Structural Geology</td>
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<tr>
<td>GEOL 3034</td>
<td>Principles of Stratigraphy and Sedimentology</td>
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<td>GEOL 4023</td>
<td>Petroleum Geology</td>
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<tr>
<td>GEOL 4103</td>
<td>Introduction to Geophysical Exploration</td>
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<td>or GEOL 4403</td>
<td>Environmental Geochemistry</td>
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<td>GEOL 4213</td>
<td>Plate Tectonics</td>
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<td>GEOL 4313</td>
<td>Introduction to Well Log Analysis</td>
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<td>GEOL 4453</td>
<td>Hydrogeology</td>
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<td>GEOL 3546</td>
<td>Field Geology</td>
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<td><strong>Related Curriculum:</strong></td>
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<tr>
<td>FIN 4003</td>
<td>Introduction to Energy Business</td>
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<td>GEOG 4203</td>
<td>Fundamentals of Geographic Information Systems</td>
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<td>MATH 2153</td>
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<td>PHYS 2114</td>
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<td>MATH 1513 and MATH 1813 required for students who do not place directly into MATH 2144.</td>
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<td>GEOL 3103, GEOL 4113, GEOL 4463, and GEOL 4513 or GEOL 4573 recommended.</td>
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<tr>
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<td>College and Departmental Requirements that may be used to meet General Education Requirements.</td>
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Other Requirements

- See the College of Arts and Sciences 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 and Departmental Requirements. The General Education required English Composition, required U.S. History, required American Government, one required MATH or STAT course, and required foreign language for B.A. degrees do not count against the two-course maximum.

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, BIOC, BIOL, CHEM, CS (except CS 4883 Social Issues in Computing), GEOI, MATH, MICR, PBIO, 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).
   d. Non-Western Studies Requirement for B.A. and B.F.A.; One 3-hour course in Non-Western Studies (N.W.). 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).
   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 applied to the degree.

3. **Foreign Language Proficiency**
   a. The foreign language requirement for the B.A. may be satisfied by 9 hours college credit in the same language, which must include 3 hours at the 2000-level, or equivalent proficiency (e.g., passing an advanced standing examination; TOEFL exam; presenting a high school transcript which demonstrates the high school was primarily conducted in a language other than English; etc.). Computer Science courses may not be used to satisfy this requirement.
   b. In addition to a. and b., students pursuing 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 3 hours college credit in a single language with no grade below C (or pass an advanced standing examination, College Level Examination Program (CLEP) exam, or Oral Proficiency Interview developed by the American Council on the Teaching of Foreign Languages, equivalent to 3 hours of college credit.) Or, students may meet the requirement by transfer of documentation of meeting the foreign language competency from one of the teacher education programs in the State of Oklahoma approved by the Oklahoma State Regents for Higher Education.

4. **Exclusions**
   a. Courses used to satisfy the General Education English Composition, U.S. History, American Government, and Mathematics or Statistics requirements 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.

**Additional State/OSU Requirements**

- **At least:** 60 hours at a four-year institution; 30 hours completed at OSU; 15 of the final 30 and 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 2028.**