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| **Catalog Year 2022-2023**BA, Geology | ***(For internal use only)***[ ]  *No change*[ ]  *UCC proposal* |

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| **Course Subject and Title** | **Cr.**  | **Min.** **Grade** | **\*GE,** **UU or UM** | **\*\*Sem. Offered** | **Prerequisite** | **Co Requisite** |
| Semester One |
| GE Objective 1: ENGL 1101 Writing and Rhetoric I | 3 | C- | GE | F, S, Su | Appropriate placement score |  |
| GE Objective 7/8: GEOL 1107 Real Monsters | 3 |  | GE | F, S |  |  |
| GE Objective 3: MATH 1147 Pre-calc (or MATH 1143 and 1144) | 5 | C- | GE | F, S, Su | Appropriate Placement Score |  |
| GE Objective 4 | 3 |  | GE | F, S, Su |  |  |
| Free Elective | 1 |  |  |  |  |  |
|  Total | 15 |  |  |  |  |  |
| Semester Two |
| GE Objective 1: ENGL 1102 Writing and Rhetoric II | 3 | C- | GE | F, S, Su | ENGL 1101 or equivalent |  |
| GE Objective 5: CHEM 1111 and 1111L General Chemistry I | 5 |  | GE | F, S, Su | MATH 1143 or 1147  | CHEM 1111L |
| Free Electives | 7 |  |  |  |  |  |
|  Total | 15 |  |  |  |  |  |
| Semester Three |
| GE Objective 2: COMM 1101 Principles of Speech | 3 |  | GE | F, S, Su |  |  |
| GEOL 2204 Fluid Earth | 4 |  |  | F |  |  |
| GE Objective 6 | 3 |  | GE | F, S, Su |  |  |
| Free Electives | 5 |  |  |  |  |  |
|  Total | 15 |  |  |  |  |  |
| Semester Four |  |  |  |  |  |  |
| GEOL 2205 Solid Earth | 4 |  |  | S |  |  |
| GE Objective 5 | 3 |  | GE | F, S, Su |  |  |
| GE Objective 6 | 3 |  | GE | F, S, Su |  |  |
| Free Electives | 5 |  |  |  |  |  |
|  Total | 15 |  |  |  |  |  |
| Semester Five |  |  |  |  |  |  |
| GEOL 3310 Geologic Field Methods | 3 |  | UM | F | GEOL 2205 |  |
| GEOL 3313 Earth Materials I | 3 |  | UM | F | GEOL 2205, CHEM 1111 & Lab |  |
| Free Upper Division Electives  | 4 |  | UU |  |  |  |
| Free Electives | 5 |  |  |  |  |  |
|  Total | 15 |  |  |  |  |  |
| Semester Six |  |  |  |  |  |  |
| GEOL 3315 Evolution of Earth’s Surface | 4 |  | UM | S | GEOL 2205 |  |
| Upper Division Elective Geology Courses | 4-5 |  | UM |  | See Undergraduate Catalog |  |
| GE Objective 4 | 3 |  | GE | F, S, Su |  |  |
|  Free Electives  | 3-4 |  |  |  |  |  |
|  Total | 15 |  |  |  |  |  |
| Semester Seven |  |  |  |  |  |  |
| GEOL 4431 Geobiololgy and the History of Life | 4 |  | UM | F |  |  |
| GEOL 4452 Sedimentation-Stratigraphy | 4 |  | UM | F | GEOL 3310, ENGL 1102, CHEM 1111 & Lab |  |
| Free Electives | 4 |  |  |  |  |  |
| GE Objective 9 | 3 |  | GE | F,S, Su |  |  |
|  Total | 15 |  |  |  |  |  |
| Semester Eight |  |  |  |  |  |  |
| GEOL 4421 Structural Geology  | 4 |  | UM | S | GEOL 4452, MATH 1147 |  |
| GEOL 4456 Geology of Idaho | 2-3 |  | UM | AS | GEOL 1100, GEOL 1101 |  |
| OR GEOL 4458 Geology of North America |  | UM | AS | GEOL 2205 |  |
| Free Upper Division Electives  | 3 |  | UU |  |  |  |
| Free Electives | 5-6 |  |  |  |  |  |
|  Total | 15 |  |  |  |  |  |
| \*GE=General Education Objective, UU=Upper Division University, UM= Upper Division Major\*\*See Course Schedule section of Course Policies page in the e-catalog (or input F, S, Su, etc.)  |

A Major Academic Plan (MAP) is one way to complete a degree in a set number of semesters. The *example* below is an efficient strategy only. Actual plans for individual students will vary based on advisor recommendations and academic needs. Official Program Requirements including Major, General Education, Elective, and university requirements (see pg.2) are based on Catalog Year.

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|  BA, Geology Page 2  |
| **2022-2023 Major Requirements** | **CR** | **GENERAL EDUCATION OBJECTIVES****Satisfy Objectives 1,2,3,4,5,6 (7 or 8) and 9** | **36 cr. min** |
| **MAJOR REQUIREMENTS** | **37** | 1. Written English (6 cr. min) ENGL 1101 | 3 |
| GEOL 1107 Real Monsters (included in General Education) |  ENGL 1102 | 3 |
| GEOL 2204 Fluid Earth | 4 | 2. Oral Communication (3 cr. min) COMM 1101 | 3 |
| GEOL 2205 Solid Earth | 4 | 3. Mathematics (3 cr. min) MATH 1143 OR MATH 1147 | 3-5 |
| GEOL 3310 Geologic Field Methods | 3 | 4. Humanities, Fine Arts, Foreign Lang. **(2 courses; 2 categories; 6 cr. min)** |
| GEOL 3313 Earth Materials I | 3 |  |  |
| GEOL 3315 Evolution of the Earth’s Surface | 4 |  |  |
| GEOL 4421 Structural Geology | 4 | 5. Natural Sciences **(2 lectures-different course prefixes, 1 lab; 7 cr. min)** |
| GEOL 4431 Geobiololgy and the History of Life | 4 | CHEM 1111 & 1111L General Chemistry I and Lab  | 5 |
| GEOL 4452 Sedimentation-Stratigraphy | 4 |   |  |
| GEOL 4456 Geology of Idaho | 2 |  |  |
|  OR GEOL 4458 Geology of North America | 3 | 6. Behavioral and Social Science **(2 courses-different prefixes; 6 cr. min)** |
| Upper Division Elective Geology Courses | 4-5 |  |  |
| MATH 1147 (or MATH 1143 & 1144) Precalculus (included in General Ed) |  |  |
| CHEM 1111 & 1111L General Chemistry I and Lab (included in General Ed) | One Course from EITHER Objective 7 OR 8 **(1course; 3 cr. min)** |
|  |  | 7. Critical Thinking | GEOL 1107 Real Monsters | 3 |
|  |  | 8. Information Literacy  |
|  |  | 9. Cultural Diversity **(1 course; 3 cr. min)** |
|  |  |  |  |
|  |  | General Education Elective to reach 36 cr. min. **(if necessary)** |
|  |  |   |  |
|  |  |  |  |
|  |  |  Total GE | 39-41 |
|  |  | Undergraduate Catalog and GE Objectives by [Catalog Year](https://www.isu.edu/advising/academic-support/general-education/)  *http://coursecat.isu.edu/undergraduate/programs/* |
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|  |  |  |  |
|  |  | **MAP Credit Summary** | **CR** |
|  |  | Major  | 37 |
|  |  | General Education  | 40 |
|  |  | Upper Division Free Electives to reach 36 credits | 7 |
|  |  | Free Electives to reach 120 credits | 36 |
|  |  |  TOTAL | 120 |
|  |  |  |
|  |  | **Graduation Requirement Minimum Credit Checklist** | **Confirmed** |
|  |  | Minimum 36 cr. General Education Objectives (15 cr. AAS) | x |
|  |  | Minimum 15 cr. Upper Division in Major (0 cr. Associate) | x |
|  |  | Minimum 36 cr. Upper Division Overall (0 cr. Associate) |  | x |
|  |  | Minimum of 120 cr. Total (60 cr. Associate) |  | x |
|  |  |  |
|  |  | ***MAP Completion Status (for internal use only)*** |
| **Advising Notes** |  | *Date* |
| **\*** May choose the following optional courses:  |  |  |
| [PHYS 1113](http://coursecat.isu.edu/search/?P=PHYS%201113), [PHYS 1114](http://coursecat.isu.edu/search/?P=PHYS%201114), General Physics Laboratory, 2 cr;  | *CAA or COT:* |  |
| [PHYS 2213](http://coursecat.isu.edu/search/?P=PHYS%202213), [PHYS 2214](http://coursecat.isu.edu/search/?P=PHYS%202214), Engineering Physics Laboratory, 2 cr. |  |  |
|  | **Complete College American Momentum Year****Math and English course in first year-Specific GE MATH course identified****9 credits in the Major area in first year****15 credits each semester (or 30 in academic year)****Milestone courses** |
| \*\*Transfer students may substitute other courses for   |
| [GEOL 1107](http://coursecat.isu.edu/search/?P=GEOL%201107) with the permission of the Geosciences Department |
| Chair or Geosciences Undergraduate Advisor. |
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 Form Revised 9.10.2019