

Catalog Year 2017-2018

B.A., Earth & Environmental Systems

Environmental Systems Track

A Major Academic Plan (MAP) illustrates one way to complete a degree in a recommended number of semesters. Below is an example of an efficient and recommended plan, but actual plans will vary by individual student needs. Program requirements are based on Catalog Year. See page two for a detailed summary of Major, General Education, Elective, and university requirements.

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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 English Composition | 3 | C- | GE | F,S,Su | Appropriate placement score | | |  | | | |
| GE Objective 5: GEOL 1100 Dynamic Earth (lecture only)**OR**  GEOL 1101 Physical Geology (lecture only) | 3 | C- | GE | F, S, ASu |  |  | | | | | |
| GEOL 1110 Physical Geol for Scientists Lab | 1 |  | GE | F, S | GEOL 1100 or GEOL 1101 |  | | | | | |
| GE Objective 3: MATH 1153 recommended\* | 3 |  | GE | F, S, Su | Appropriate Placement Score | |  | | | | |
| GE Objective 5: BIOL 1101 & BIOL 11101 L General Biology I | 4 |  |  | F, S, Su | MATH 1108/appropriate score | MATH 1108/ app.score, BIOL 1101L | | | | | |
| Electives | 1 |  |  | F,S,Su |  |  | | | | | |
| Total | 15 |  |  |  |  |  | | | | | |
| Semester Two | | | | | | | | | | | |
| GE Objective 1: ENGL 1102 Critical Reading and Writing | 3 | C- | GE | F,S | ENGL 1101 or equivalent |  | | | | | |
| BIOL 1102 Biology and Lab II | 4 |  |  | F, S | BIOL 1101 | BIOL 1102L | | | | | |
| GE Objective 4 | 3 |  | GE | F, S, Su |  |  | | | | | |
| MATH 1147 Pre-calculus ^ | 5 | (C-) |  | F, S, Su | Appropriate Placement Score | | |  | | | |
| Total | 15 |  |  |  |  |  | | | | | |
| Semester Three | | | | | | | | | | | |
| GEOL 3306 Environmental Geology | 3 |  | UM | F | GEOL 1100 or 1101 |  | | | | | |
| GEOL 4403 Principles of GIS | 3 |  | UM | F, S |  | GEOL 4403L | | | | | |
| BIOL 2209/L General Ecology | 4 |  |  | F, S | BIOL 1101 and BIOL 1102 | BIOL 2209L | | | | | |
| GE Objective 6: ECON 2201 Principles of Macroeconomics | 3 |  | GE | F,S,Su |  |  | | | | | |
| Electives | 2 |  |  |  |  |  | | | | | |
| Total | 15 |  |  |  |  |  | | | | | |
| Semester Four |  |  |  |  |  |  | | | | | |
| GE Objective 2: COMM 1101 Principles of Speech | 3 |  | GE | F, S |  |  | | | | | |
| CHEM 1111 and 1111L General Chemistry I | 5 |  | GE | F, S, Su | MATH 1143 or 1147 or equivalent | | | | CHEM 1111L | | |
| GEOL 2210 Earth in Space and Time | 3 |  |  | F,S | GEOL 1100 or 1101 with a C or better, GEOL 1110 | | | | | | GEOL 1110 |
| GEOL 3315 Evolution of Earth’s Surface | 4 |  | UM | S | GEOL 1100 or 1101 with a C or better, GEOL 1110 | | | | | | GEOL 1110 |
| Total | 16 |  |  |  |  |  | | | | | |
| Semester Five |  |  |  |  |  |  | | | | | |
| GEOL 4410 Science in American Society | 2 |  | UM | AF | Junior standing and permission of instructor | | | | |  | |
| POLS 4455 Environmental Politics and Policy | 3 |  | UM | D |  |  | | | | | |
| Set A: Select one course | 3 |  | UM | F,S, D | See catalog |  | | | | | |
| ECON 2202 Principles of Microeconomics | 3 |  |  | F,S,Su |  |  | | | | | |
| GE Objective 6 Sociology 1101 suggested | 3 |  | GE | F,S,Su |  |  | | | | | |
| Electives | 1 |  |  |  |  |  | | | | | |
| Total | 15 |  |  |  |  |  | | | | | |
| Semester Six |  |  |  |  |  |  | | | | | |
| GEOL 4416 Global Environmental Change | 3 |  | UM | AS | BIOL 2209 and GEOL 3306 |  | | | | | |
| PHIL 4455 Environmental Ethics \* | 3 |  | UM | R1 |  |  | | | | | |
| Set B: Select one course\*\* | 3 |  | UM | F,S,D, R | See catalog |  | | | | | |
| GE Objective 7 or 8 | 3 |  | GE | F,S,Su | See catalog |  | | | | | |
| Electives | 3 |  |  |  |  |  | | | | | |
| Total | 15 |  |  |  |  |  | | | | | |
| Semester Seven |  |  |  |  |  |  | | | | | |
| HIST 4430 Global Environmental History | 3 |  | UM | R2 |  |  | | | | | |
| Set B:Select one course\*\* | 3 |  | UM | F,S,D,R | See catalog |  | | | | | |
| GE Objective 9 | 3 |  | GE | F,S,Su | See catalog |  | | | | | |
| Electives | 3 |  | UU | F,S,Su | See catalog |  | | | | | |
| Objective 4 | 3 |  | GE | F,S,Su |  |  | | | | | |
| Total | 15 |  |  |  |  |  | | | | | |
| Semester Eight |  |  |  |  |  |  | | | | | |
| GEOL 4492 Earth and Environmental Systems Seminar | 1 |  | UM | S | Junior or senior standing |  | | | | | |
| Set B: Select one course\*\* | 3 |  | UM | F,S,D,R | See catalog |  | | | | | |
| Upper Division Electives | 3 |  | UU | F,S,Su | See catalog |  | | | | | |
| Electives | 7 |  |  | F,S,Su | See catalog |  | | | | | |
| Total | 14 |  |  |  |  |  | | | | | |
| \*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.) | | | | | | | | | | | |

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| **2017-2018 Major Requirements** | **CR** | **2017-2018 GENERAL EDUCATION OBJECTIVES**  **Satisfy Objectives 1,2,3,4,5,6 (7 or 8) and 9** | | | | | | **36 cr. min** |
| **MAJOR REQUIREMENTS** | **62-63** | 1. Written English (6 cr. min) ENGL 1101 | | | | | | 3 |
| **Core Courses** |  | ENGL 1102 | | | | | | 3 |
| GEOL 1100 Dynamic Earth OR GEOL 1101 Physical Geology (lecture)  ( 3 cr counted in Objective 5) | | 2. Spoken English (3 cr. min) COMM 1101 | | | | | | 3 |
| 3. Mathematics (3 cr. min) MATH 1153 | | | | | | 3 |
| BIOL 1101 and BIOL 1101 L General Biology I and Lab  (4 cr counted in Objective 5) | | 4. Humanities, Fine Arts, Foreign Lang. **(2 courses; 2 categories; 6 cr. min)** | | | | | | |
| GEOL 1110 Physical Geology for Scientists Lab | 1 |  | | | | | |  |
| GEOL 3306 Environmental Geology | 3 |  | | | | | |  |
| GEOL 3315 Evolution of the Earth’s Surface | 4 | 5. Natural Sciences **(2 lectures-different course prefixes, 1 lab; 7 cr. min)** | | | | | | |
| GEOL 4403 Principles of Geographic Information Systems | 3 | GEOL 1100 or GEOL 1101 | | | | | | 3 |
| GEOL 4416 Global Environmental Change | 3 | BIOL 1101 and BIOL 1101 Lab | | | | | | 4 |
| GEOL 4492 Earth and Environmental Systems Seminar | 1 |  | | | | | |  |
| BIOL 1102 and BIOL 1102L General Biology II and Lab | 4 | 6. Behavioral and Social Science **(2 courses-different prefixes; 6 cr. min)** | | | | | | |
| BIOL 2209 and BIOL 2209L General Ecology and Lab | 4 | ECON 2201 | | | | | | 3 |
| CHEM 1111 and CHEM 1111L General Chemistry I and Lab | 5 | SOC 1101 suggested | | | | | | 3 |
| MATH 1147 (or MATH 1143 & 1144) Precalculus^ | 5 | One Course from EITHER Objective 7 OR 8 **(1course; 3 cr. min)** | | | | | | |
| **Required Courses for B.A.** |  | 7. Critical Thinking | | | | | |  |
| ECON 2201 Principles of Macroeconomics ( 3 cr counted in Objective 6) | |
| ECON 2202 Principles of Microeconomics | 3 | 8. Information Literacy | | | | | |
| GEOL 2210 Earth in Space and Time | 3 | 9. Cultural Diversity **(1 course; 3 cr. min)** | | | | | | |
| GEOL 4410 Science in American Society | 2 |  | | | | | |  |
| MATH 1153 Statistics OR MATH 3350 Statistical Methods\* ( 3 cr counted in Objective 3) | | General Education Elective to reach 36 cr. min. **(if necessary)** | | | | | | |
|  | | | | | |  |
| PHIL 4455 Environmental Ethics OR PHIL 2250 Con.Moral Prblms | 3 | **Total GE** | | | | | | **37** |
| POLS 4455 Environmental Politics and Policy | 3 | GE Objectives - Catalog Requirements:  [2017-2018 General Education Requirements (PDF)](https://www.isu.edu/media/libraries/central-academic-advising/pdf-files/gened-requirements/2017-2018-General-Education-Requirements.pdf) | | | | | | |
| HIST 4430 Global Environmental History | 3 |
| **SET A: Select one Methods Course (Check Prerequisites!)** | **3** |  | | | | | | |
| HIST 2291 Historian’s Craft | (3) |
| POLS 4453 Public Policy Analysis | (3) |
| SOC 3308 Sociological Methods and Social Work Research | (3) | **MAP Credit Summary** | | | | | **CR** | |
| **\*\*SET B: Select 3 courses not used to satisfy other requirements (Check Prerequisites!)** | **9 or 10** | Major | | | | | 62-63 | |
| ANTH 4402 Ecological Anthropology | (3) | General Education | | | | | 37 | |
| ECON 3352 Environmental Economics | (3) | Free Electives to reach 120 credits | | | | | 20-21 | |
| GEOL/HIST 4471 Historical Geography of Idaho | (3) | TOTAL | | | | | 120 | |
| HIST 4432 U.S. Environmental History | (3) |  | | | | | | |
| HIST 4489 GIS for Social Sciences | (3) |
| HIST 4490 & 4490 L Cartography History & Design and Lab | (4) |
| POLS 2221 Introduction to International Relations | (3) |
| POLS 4408 Urban Spaces | (3 | **Graduation Requirement Minimum Credit Checklist** | | | **Confirmed** | | | |
| POLS 4409 Community Planning | (3) | Minimum 36 cr. General Education Objectives (15 cr. AAS) | | | Yes | | | |
| POLS 4453 Public Policy Analysis | (3) | Minimum 16 cr. Upper Division in Major (0 cr. Associate) | | |  | Yes | | |
| POLS 4466 Public Lands Policy | (3) | Minimum 36 cr. Upper Division Overall (0 cr. Associate) | | |  | Yes | | |
| SOC 3335 Population and Environment | (3) | Minimum of 120 cr. Total (60 cr. Associate) | | |  | yes | | |
| SOC 4491 Topics in Sociology | (3) |  | |  | | | | |
| **Advising Notes** | |  | | | | | | |
| Make sure total Upper Division credits total 36 | | *Department:* | *10/10/2017 mmc* | | | | | |
| R1 means offered every year on a rotating basis fall or spring | | *CAA or COT:* | 06/29/2017 sf | | | | | |
| R2 means offered every two years on a rotating basis fall or spring | | *Registrar:* |  | | | | | |
| \*PHIL 2250 Contemporary Moral Problems is the alternative but is not Upper Division credit | |  |  | | | | | |
| \*\*Set B course list may be expanded with approval of advisor | |  | | | | | | |
| MATH 3350 may replace MATH 1153 as a major requirement but cannot fulfill Objective 3 | |
| Recommended: ENGL 3307 Professional and Technical Writing 3 cr | |

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