

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.

Catalog Year 2018-2019

BA/BS Secondary Education

Biology Single Subject Endorsement

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **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 3: MATH 1153 or 1160 | 3 | C | GE | F, S | Appropriate placement score |  |
| GE Objective 4: | 3 |  | GE | F, S, Su |  |  |
| GE Objective 6: | 3 |  | GE | F, S, Su |  |  |
| GE Objective 9: EDUC 2204 Families, Communities, Culture | 3 | C | GE | F, S, Su |  |  |
|  Total | 15 |  |  |  |  |  |
| Semester Two |
| GE Objective 1: ENGL 1102 Critical Reading and Writing | 3 | C- | GE | F, S, Su | ENGL 1101 or equivalent |  |
| GE Objective 2: COMM 1101 Principles of Speech | 3 | C | GE | F, S, Su |  |  |
| GE Objective 5: BIOL 1101/L Biology I with Lab | 4 | C | GE | F, S | MATH 1108 or equivalent | MATH 1108; BIOL 1101L |
| GE Objective 7/8: | 3 |  | GE | F, S |  |  |
| GE Objective 6: | 3 |  | GE | F, S, Su |  |  |
|  Total | 16 |  |  |  |  |  |
| Semester Three |
| GE Objective 5: CHEM 1111/L General Chemistry I with Lab | 5 |  | GE | F, S, Su | MATH 1143, 1147 or equivalent |  |
| EDUC 2201: Development & Individual Differences | 3 | C |  | F, S, Su | 26 cr.; 2.75 GPA; ENGL 1101/1101P |  |
| EDUC 2215: Using Technology in a Digital World | 3 | C |  | F, S, Su |  |  |
| BIOL 1102/L: Biology II with Lab | 4 | C |  | F, S | BIOL 1101/L |  |
|  Total | 15 |  |  |  |  |  |
| Semester Four |
| EDUC 3301: Inquiring, Thinking, and Knowing | 3 | C | UM | F, S, Su | EDUC 2201, 2204; Adm. to TE |  |
| EDUC 3308: Foundations of Ed Knowledge, Plan & Assess | 3 | C | UM | F, S | Adm. to TE; Fieldwork Placement Plan |  |
| CHEM 1112/L: General Chemistry II with Lab | 4 |  |  | F, S | CHEM 1111/L |  |
| BIOL 2206/L: Cell Biology with Lab | 4 | C |  | F, S | BIOL 1101, 1102; CHEM 1111/L, 1112/L | CHEM 1112/L |
| Approved BIOL Electives | 3 | C |  | F, S |  |  |
|  Total | 17 |  |  |  |  |  |
| Semester Five |
| EDUC 4401 Content Area Literacy | 3 | C | UM | F, S | Adm. to TE |  |
| BIOL 2209/L: General Ecology with Lab | 4 | C |  | F, S | BIOL 1101, 1102 |  |
| BIOL 3358: Genetics | 3 | C | UM | F, S | BIOL 2206 or 2235 |  |
| BIOL 2221/L: Introductory Microbiology with Lab | 4 | C |  | F, S | CHEM 1111/L; BIOL 1101 |  |
| Approved BIOL Plant Electives | 3 | C |  |  |  |  |
|  Total | 17 |  |  |  |  |  |
| Semester Six |
| GE Objective 6: | 3 |  | GE | F, S, Su |  |  |
| Approved BIOL Electives | 4 | C |  | F, S |  |  |
| BIOL 4417: Organic Evolution | 3 | C | UM | F, S | BIOL 2209, 3358 |  |
| BIOL 4491: Seminar | 1 | C | UM | F, S, Su | Senior standing |  |
| Approved BIOL Electives | 4 | C | UM | F, S |  |  |
|  |  |  |  |  |  |  |
|  Total | 15 |  |  |  |  |  |
| Semester Seven |
| EDUC 3302: Classroom Motivation and Management | 3 | C | UM | F, S, Su | Adm. to TE; EDUC 2201, 2204, 3301, 3308 | EDUC 3311, 4408 |
| EDUC 3311: Instructional Technology | 3 | C | UM | F, S | Adm. to TE; EDUC 2215, 3308 | EDUC 4408 |
| EDUC 4408: Pre Intern Field Exp. Seminar | 3 | C | UM |  | Adm. to TE; EDUC 3308 | EDUC 3311 |
| SPED 3350: Creating Inclusive Classrooms | 3 | C | UM |  | Adm. to TE | EDUC 4408 |
| BIOL 4413: Biology Teaching Methods | 3 | C | UM | F | EDUC 3302; 16 cr. In BIOL |  |
| BIOL 4492: Seminar | 1 | C | UM | F, S, Su | Senior standing |  |
|  Total  | 16 |  |  |  |  |  |
| Semester Eight  |
| EDUC 4496 Student Teaching | 14 | C | UM | F, S |  |  |
|  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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| **2018-2019 Major Requirements** | **CR** | **GENERAL EDUCATION OBJECTIVES****Satisfy Objectives 1,2,3,4,5,6 (7 or 8) and 9** | **36 cr. min** |
| **MAJOR REQUIREMENTS** | **86** | 1. Written English (6 cr. min) ENGL 1101 | 3 |
| **Professional Education Core** | **38** |  ENGL 1102 | 3 |
| EDUC 2201 Development and Individual Differences | 3 | 2. Spoken English (3 cr. min) COMM 1101 | 3 |
| EDUC 2204 Families, Community, Culture (3 counted in GE) | 3. Mathematics (3 cr. min)  |  |
| EDUC 2215 Using Technology in a Digital World | 3 | 4. Humanities, Fine Arts, Foreign Lang. **(2 courses; 2 categories; 6 cr. min)** |
| EDUC 3301 Inquiring, Thinking, Knowing | 3 |  |  |
| EDUC 3302 Motivation and Management | 3 |  |  |
| EDUC 3308 Found of Educational Knowledge, Plan & Assess | 3 | 5. Natural Sciences **(2 lectures-different course prefixes, 1 lab; 7 cr. min)** |
| EDUC 3311 Instructional Technology | 3 |  | BIOL 1101/L | 4 |
| EDUC 4408 Pre-Internship Field Experience Seminar | 3 |  | CHEM 1111/L | 5 |
| EDUC 4496 Student Teaching | 14 |  |  |
| SPED 3350 Creating Inclusive Classrooms | 3 | 6. Behavioral and Social Science **(2 courses-different prefixes; 6 cr. min)** |
| **Secondary Education Core** | **3** |  |  |
| EDUC 4401 Content Area Literacy | 3 |  |  |
| **Biology Endorsement Total** | **41** | One Course from EITHER Objective 7 OR 8 **(1course; 3 cr. min)** |
| BIOL 1101/L Biology I with Lab (4 counted in GE) | 7. Critical Thinking |  |
| BIOL 1102/L Biology II with Lab | 4 | 8. Information Literacy  |
| BIOL 2206/L Cell Biology with Lab | 4 | 9. Cultural Diversity **(1 course; 3 cr. min)** |
| BIOL 2209/L General Ecology with Lab | 4 |  | EDUC 2204 | 3 |
| BIOL 2221/L Introductory Microbiology with Lab | 4 | General Education Elective to reach 36 cr. min. **(if necessary)** |
| BIOL 3358 Genetics | 3 |   |  |
| BIOL 4413 Biology Teaching Methods | 3 |  **Total GE** | **39** |
| BIOL 4417 Organic Evolution | 3 | Undergraduate Catalog and GE Objectives by [Catalog Year](https://www.isu.edu/advising/academic-support/general-education/) |
| BIOL 4491 Seminar | 1 |
| BIOL 4492 Seminar | 1 |  |
| BIOL Electives | 11 |
| BIOL Plant Electives | 3 |
| **Math Requirement**  (3 counted in GE) | **MAP Credit Summary** | **CR** |
| MATH 1153 or 1160 Introduction to Statistics or Applied Calculus | 3 | Major  | 86 |
| **Chemistry Requirement** | **4** | General Education  | 39 |
| CHEM 1111/L General Chemistry with Lab (5 counted in GE) | Free Electives to reach 120 credits | 0 |
| CHEM 1112/L General Chemistry II with Lab | 4 |  TOTAL | 125 |
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|  |  |
|  |  | **Graduation Requirement Minimum Credit Checklist** | **Confirmed** |
|  |  | Minimum 36 cr. General Education Objectives (15 cr. AAS) |  x |
|  |  | Minimum 16 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 |
|  |  |  |  |
| **Advising Notes** | ***MAP Completion Status (for internal use only)*** |
| Admission Requirements: 3.0 GPA |  | *Date* |
| Teacher Education Program Admission Interview | *Department:*  |  |
| Passing scores on PRAXIS Core Academic Skills for Educators Exam | *CAA or COT:* | 6.14.2018 sf jh |
| Professional Portfolio | *Registrar:*  |  |
| Idaho Code Awareness Affidavit |  |
| Minimum grade requirements in Objectives 1, 2, 3, EDUC 2201, 2215 |
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 Form Revised 1.24.2018