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| **Catalog Year 2019-2020**  BA/BS Secondary Education  Biology (30cr), Physics (20cr) | ***(For internal use only)***  *No change*  *UCC proposal* |
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A Major Academic Plan (MAP) is one way to complete a degree in a set number of semesters. The *example* below is only one strategy. Actual plans for individual students will vary based on advisor recommendations and academic needs. Official Program Requirements including Major, General Education, Electives, and university requirements (see pg.2) are based on Catalog Year.

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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 4 | 3 | C- | GE | | F,S,Su | |  | |  |
| GE Objective 4 | 3 | C- | GE | | F,S,Su | |  | |  |
| GE Objective 5: BIOL 1101 & BIOL 1101L Biology I and Lab | 4 | C | GE | | F,S,Su | | Placement into MATH 1108 | |  |
| Free Electives | 3 | C- |  | |  | |  | |  |
| Total | 16 |  |  | |  | |  | |  |
| 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 3: MATH 1170 Calculus 1 | 4 | C | GE | | F,S,Su | | Appropriate placement score | |  |
| BIOL 1102 & BIOL 1102L Biology II and Lab | 4 | C |  | | F,S | | BIOL 1101 | | BIOL 1102L |
| Free Electives | 2 | C- |  | |  | |  | |  |
| Total | 16 |  |  | |  | |  | |  |
| Semester Three | | | | | | | | | |
| GE Objective 5: CHEM 1111 & 1111L Gen Chem I and Lab | 5 | C | GE | | F,S,Su | | MATH 1147 or Equivalent | | CHEM 1111L |
| GE Objective 9: EDUC 2204 Families, Community, Culture | 3 | C | GE | | F,S,Su | |  | |  |
| BIOL 2209 & BIOL 2209 L General Ecology and Lab | 4 | C |  | | F,S | | BIOL 1101, BIOL 1102 | | BIOL 2209L |
| PHYS 1111 &1111L Gen Physics I and Lab | 4 | C |  | | F,S | | Math 1143 or 1147 | |  |
| Total | 16 |  |  | |  | |  | |  |
| Semester Four | | | | | | | | | |
| CHEM 1112 & CHEM 1112L General Chemistry II and Lab | 4 | C |  | | F,S,Su | | MATH 1147 or Equivalent | | CHEM 1112L |
| EDUC 3308 Fdns of Ed Knowledge, Planning and Assmnt | 3 | C | UU/UM | | F, S | | Admission to Teacher Ed | |  |
| PHYS 1112 & 1112L Gen Physics II and lab | 4 | C |  | |  | | PHYS 1111 | |  |
| EDUC 2201 Developmental and Individual Differences | 3 | C |  | | F,S,Su | |  | |  |
| Free Electives | 1 |  |  | |  | |  | |  |
| Total | 15 |  |  | |  | |  | |  |
| Semester Five | | | | | | | | | |
| GE Objective 6: Recommend EDUC 1110 Ed and School in US | 3 | C- | GE | | F,S | |  | |  |
| GE Objective 7 or 8 | 3 | C- | GE | | F, S, Su | | |  |  |
| BIOL 2206 & BIOL 2207 Cell Biology and Lab | 4 | C |  | | F,S | | BIOL 1101, 1102, CHEM 1111, 1111L, 1112, 1112L | | CHEM 1112, 1112L |
| BIOL 4413 Biology Teaching Methods **OR**  EDUC 3331 Science Methods for Teachers | 3 | C | UU/UM | |  | | Permission of Instructor, Admission to Teacher Ed | |  |
| GEOL 4410 Science in American Society | 2 | C | UM | | AF | |  | |  |
| Total | 15 |  |  | |  | |  | |  |
| Semester Six | | | | | | | | | |
| GE Objective 6 | 3 | C- | GE | | F,S,Su | |  | |  |
| PHYS 1152 & 1153 Descriptive Astronomy and Lab | 4 | C | GE | | F,S,Su | |  | |  |
| GEOL 4400 Practicum in Physical Science **OR**  EDUC 3331 Science Methods for Teachers | 2 or 3 | C | UU/UM | |  | | Admission to Teacher Ed | |  |
| Free Electives | 2 or 3 | C- |  | |  | |  | |  |
| Free Electives | 3 | C- |  | |  | |  | |  |
| Total | 15 |  |  | |  | |  | |  |
| Semester Seven | | | | | | | | | |
| EDUC 3302 Motivation and Management | 3 | C | UU/UM | | F,S,SU | | EDUC 2201, 2204, 3308 | | EDUC 3311, 4408 |
| EDUC 3311 Instructional Technology | 3 | C | UU/UM | | F, S | | IC3 Key Appl Exam; EDUC 3308 | | EDUC 4408 |
| EDUC 4408 Pre-Internship Field Experience Seminar | 3 | C | UU/UM | | F, S | | EDUC 3308 | | EDUC 3311 |
| SPED 3350 Creating Inclusive Classrooms | 3 | C | UU/UM | | F, S | | Admission to Teacher Ed | | EDUC 4408 or MUSC 3338 |
| EDUC 4401 Content Area Literacy | 3 | C | UU/UM | | F, S | | Admission to Teacher Ed | |  |
| Total | 15 |  |  | |  | |  | |  |
| Semester Eight | | | | | | | | | |
| EDUC 4496 Sec Education Student Teaching Internship | 12 | S | UU/UM | |  | | All coursework; Praxis II exams | |  |
| Total | 12 |  |  | |  | |  | |  |
| \*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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| **2019-2020 Major Requirements** | | **CR** | **GENERAL EDUCATION OBJECTIVES**  **Satisfy Objectives 1,2,3,4,5,6 (7 or 8) and 9** | | | | **36 cr. min** | |
| **MAJOR REQUIREMENTS** | |  | 1. Written English (6 cr. min) ENGL 1101 | | | | 3 | |
| ***Secondary Education classes*** | | **33** | ENGL 1102 | | | | 3 | |
| EDUC 2201 Developmental and Individual Differences | | 3 | 2. Spoken English (3 cr. min) COMM 1101 | | | | 3 | |
| EDUC 2204 Families Community Culture (counted in GE 9) | | | 3. Mathematics (3 cr. min) MATH 1170 | | | | 4 | |
| EDUC 3302 Motivation and Management | | 3 | 4. Humanities, Fine Arts, Foreign Lang. **(2 courses; 2 categories; 6 cr. min)** | | | | | |
| EDUC 3308 Fdns of Ed Knowledge, Planning and Assessment | | 3 |  | | | |  | |
| EDUC 3311 Instructional Technology | | 3 |  | | | |  | |
| EDUC 4401 Content Area Literacy | | 3 | 5. Natural Sciences **(2 lectures-different course prefixes, 1 lab; 7 cr. min)** | | | | | |
| EDUC 4408 Pre-Internship Field Experience Seminar | | 3 | BIOL 1101 & BIOL 1101L Biology I and Lab | | | | 4 | |
| EDUC 4496 Secondary Education Student Teaching Internship | | 12 | CHEM 1111 & CHEM 1111L General Chemistry I and Lab | | | | 5 | |
| SPED 3350 Creating Inclusive Classrooms | | 3 |  | | | |  | |
|  | |  | 6. Behavioral and Social Science **(2 courses-different prefixes; 6 cr. min)** | | | | | |
| ***Biology 30 credit Endorsement*** | | **19** |  | | | |  | |
| BIOL 1101 & BIOL 1101L Biology I and Lab (Counted in GE 5) | | |  | | | |  | |
| BIOL 1102 & BIOL 1102L Biology II and Lab | | 4 | One Course from EITHER Objective 7 OR 8 **(1course; 3 cr. min)** | | | | | |
| BIOL 2206 & BIOL 2207 Cell Biology and Lab | | 4 | 7. Critical Thinking | | | |  | |
| BIOL 2209 & BIOL 2209L General Ecology and Lab | | 4 | 8. Information Literacy | | | |
| BIOL 4413 Biology Teaching Methods  OR EDUC 3331 Science Methods for Teachers | | 3 | 9. Cultural Diversity **(1 course; 3 cr. min)** | | | | | |
| EDUC 2204 Families, Community, Culture | | | | 3 | |
| CHEM 1111 & 1111L General Chemistry I and Lab (Counted in GE 5) | | | General Education Elective to reach 36 cr. min. **(if necessary)** | | | | | |
| CHEM 1112 & CHEM 1112L General Chemistry II and Lab | | 4 |  | | | |  | |
| MATH 1160 Applied Calculus **OR** MATH 1153 Introduction to Statistics  Satisfied by MATH 1170 for Physics (Counted in GE 3) | | | **Total GE** | | | | **40** | |
|  | |  | Undergraduate Catalog and GE Objectives by  [*http://coursecat.isu.edu/undergraduate/programs/*](http://coursecat.isu.edu/undergraduate/programs/) | | | | | |
| ***Physics 20 Credit Endorsement*** | ***16 - 17*** | |
| PHYS 1152 & PHYS 1153 Descriptive Astronomy and Lab | | 4 |  | | | | | |
| PHYS 1111 and 1113 Gen Physics I and lab | | 4 |
| PHYS 1112 and 1114 Gen Physics II and lab | | 4 |
| PHYS 4400 Practicum in Physical Science **OR**  EDUC 3331 Science Methods for Teachers | | 2-3 | **MAP Credit Summary** | | | | **CR** | |
| GEOL 4410 Science in American Society | | 2 | Major | | | | 68-69 | |
| MATH 1170 Calculus I (Counted in GE 3) | | | General Education | | | | 40 | |
|  | |  | Upper Division Free Electives to reach 36 credits | | | | 0 | |
|  | |  | Free Electives to reach 120 credits | | | | 11-12 | |
|  | |  | TOTAL | | | | 120 | |
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|  | |  | **Graduation Requirement Minimum Credit Checklist** | | | **Confirmed** | | |
|  | |  | Minimum 36 cr. General Education Objectives (15 cr. AAS) | | |  | | |
|  | |  | Minimum 15 cr. Upper Division in Major (0 cr. Associate) | | |  | |  |
|  | |  | Minimum 36 cr. Upper Division Overall (0 cr. Associate) | | |  | |  |
|  | |  | Minimum of 120 cr. Total (60 cr. Associate) | | |  | |  |
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| **Advising Notes** | | | ***MAP Completion Status (for internal use only)*** | | | | | |
| Teacher ed programs are admission based programs and require | | |  | *Date* | | | | |
| A formal application to the College of Education. Minimum GPA 3.0; | | |  |  | | | | |
| Passing scores on the Praxis Core Academic Skills for Educators Exam; | | | *CAA or COT:* | 8.12.2019 jh | | | | |
| Background check | | |  |  | | | | |
|  | | | **Complete College American Momentum Year**  **Math and English course in first year**  **9 credits in the Major area in first year**  **15 credits each semester (or 30 in academic year)**  **Milestone courses** | | | | | |
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