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| **Catalog Year 2019-2020**  BA/BS Secondary Education  Biology (30cr), Math (20cr) | | ***(For internal use only)***  *No change*  *UCC proposal* | |
| **Catalog Year 20XX-20XX**  Degree, Major  Concentration (if relevant) | ***(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 Writing and Rhetoric I | 3 | C- | GE | | F,S,Su | | Appropriate placement score | |  | | | | |
| GE Objective 4: | 3 | C- | GE | |  | |  | |  | | | | |
| GE Objective 4: | 3 | C- | GE | |  | |  | |  | | | | |
| GE Objective 5: BIOL 1101 & BIOL 1101L Biology I and Lab | 4 | C | GE | | F,S,Su | | Placement into MATH 1108 | |  | | | | |
| Free Electives | 2 | C- |  | |  | |  | |  | | | | |
| 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 2: COMM 1101 Fundamentals of Oral Comm | 3 | C- | GE | | F,S,Su | |  | |  | | | | |
| GE Objective 3: MATH 1170 Calculus I | 4 | C |  | | F,S,Su | | Appropriate placement score | |  | | | | |
| BIOL 1102 & BIOL 1102L Biology II and Lab | 4 | C |  | | F,S | | BIOL 1101 | | BIOL 1102L | | | | |
| Free Electives | 1 | C- |  | |  | |  | |  | | | | |
| Total | 15 |  |  | |  | |  | |  | | | | |
| 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 | | | | |
| MATH 1175 Calculus II | 4 | C |  | | F,S,Su | | MATH 1170 | |  | | | | |
| 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 2201 Developmental and Individual Differences | 3 | C |  | | F,S,Su | |  | |  | | | | |
| EDUC 4470 Advanced Mathematics Methods | 3 | C | UU/UM | | OS | | Admission to Teacher Education | | | | |  | |
| MATH 2240 Linear Algebra | 3 | C |  | | F,S,Su | | MATH 1170 | |  | | | | |
| MATH 2287 Foundations of Mathematics | 3 | C |  | | D | | MATH 1170 | |  | | | | |
| Total | 16 |  |  | |  | |  | |  | | | | |
| Semester Five | | | | | | | | | | | | | |
| 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, CHEM 1112, 1112L | | | | | | CHEM 1112, CHEM 1112L |
| EDUC 3308 Fdns of Ed Knowledge, Planning & Assessment | 3 | C | UU/UM | | F, S | | Admission to Teacher Education. | | | | |  | |
| MATH 3343 Modern Geometry I | 3 | C | UU/UM | | F | | MATH 2240 or MATH 2287 | |  | | | | |
| Free Electives | 3 | C- |  | |  | |  | |  | | | | |
| Total | 15 |  |  | |  | |  | |  | | | | |
| Semester Six | | | | | | | | | | | | | |
| GE Objective 6: *Recommend EDUC 1110 Ed & Schooling in the US* | 3 | C- | GE | | F,S | |  | |  | | | | |
| GE Objective 6: | 3 | C- | GE | | F,S,Su | |  | |  | | | | |
| BIOL 4413 Biology Teaching Methods **OR**  EDUC 3331 Science Methods for Teachers | 3 | C | UU/UM | |  | | Permission of Instructor, Admission to Teacher Education | | |  | | | |
| MATH 3352 Introduction to Probability | 3 | C | UU/UM | | F,S | | MATH 1175 | |  | | | | |
| 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, EDUC 4408 | | | | |
| EDUC 3311 Instructional Technology | 3 | C | UU/UM | | F, S | | IC3 Key App 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 Education | | | | EDUC 4408 or MUSC 3338 | | |
| EDUC 4401 Content Area Literacy | 3 | C | UU/UM | | F, S | | Admission to Teacher Education | | | |  | | |
| Total | 15 |  |  | |  | |  | |  | | | | |
| Semester Eight | | | | | | | | | | | | | |
| EDUC 4496 Secondary Ed 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)** | | | | | |
|  | | | |  | |
| CHEM 1111 & CHEM 1111L Gen Chem 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 Intro to Stats (Counted in GE 3) | | **Total GE** | | | | **40** | |
|  |  | Undergraduate Catalog and GE Objectives by [Catalog Year](https://www.isu.edu/advising/academic-support/general-education/)  *http://coursecat.isu.edu/undergraduate/programs/* | | | | | |
| ***Math 20 credit Endorsement*** | ***19*** |
| MATH 1170 Calculus I (Counted in GE 3) | |  | | | | | |
| MATH 1175 Calculus II | 4 |
| MATH 2240 Linear Algebra | 3 |
| MATH 2287 Foundations of Mathematics | 3 | **MAP Credit Summary** | | | | **CR** | |
| MATH 3343 Modern Geometry I | 3 | Major | | | | 71 | |
| MATH 3352 Introduction to Probability | 3 | General Education | | | | 40 | |
| EDUC 4470 Advanced Mathematics Methods | 3 | Upper Division Free Electives to reach 36 credits | | | | 0 | |
|  |  | Free Electives to reach 120 credits | | | | 9 | |
|  |  | 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 education programs are admission based programs and | |  | *Date* | | | | |
| Require a formal application to the College of Education. Minimum | |  |  | | | | |
| GPA 3.0; Passing scores on the Praxis Core Academic Skills for | | *CAA or COT:* | 8.16.2019 jh | | | | |
| Educators Exam; Background check | |  |  | | | | |
| [edadvise@isu.edu](mailto:edadvise@isu.edu) | | **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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|  | | Form Revised 7.18.2019 | | | | | |

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