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| **Catalog Year 2019-2020**  Degree, Major: Pharmacy  Concentration: Prepharmacy | ***(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 5: BIOL 1101 – Biology 1 and lab | 4 | C | UM/GE | | F S Su | | MATH 1108 | BIOL 1101L |
| GE Objective 3: MATH 1143 – College Algebra | 3 | C | GE | | F S Su | | MATH 1108 or equivalent |  |
| GE Objective 6: ECON 2201 or ECON 2202 – Macro or Microeconomics | 3 |  | UM/GE | | F S Su | |  |  |
| ACAD 1104 First Year Transition | 2 |  |  | | F S Su | |  |  |
| 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 3: MATH 1153 Statistical Reasoning | 3 | C | UM/GE | | F S Su | | MATH 1108 or equivalent |  |
| GE Objective 4: | 3 |  | GE | | F S Su | |  |  |
| GE Objective 6: | 3 |  | GE | | F S Su | |  |  |
| BIOL 1102 & BIOL 1102L Biology II and lab (Optional) | 4 | C |  | | F S Su | | BIOL 1101 & BIOL 1101L | BIOL 1102L |
| Total | 16 |  |  | |  | |  |  |
| Semester Three | | | | | | | | |
| GE Objective 5: CHEM 1111 General Chemistry I and lab | 5 | C | UM/GE | | F S | | MATH 1143 | CHEM 1111L |
| BIOL 3301 or 2227 Anatomy & Physiology I and lab | 4 | C | UM | | F S | | MATH 1108 | BIOL 3301L or BIOL 2227L |
| MATH 1160 Applied Calculus | 3 | C | UM | | F S Su | | MATH 1143 |  |
| GE Objective 2: COMM 1101 Public Speaking | 3 |  | GE | |  | |  |  |
|  |  |  |  | |  | |  |  |
| Total | 15 |  |  | |  | |  |  |
| Semester Four | | | | | | | | |
| CHEM 1112 General Chemistry II and lab | 5 | C | UM | | F S Su | | CHEM 1111, MATH 1143 | CHEM 1112L |
| BIOL 3302 or BIOL 2228 Anatomy & Physiology II and lab | 4 | C | UM | | F S | | BIOL 2227 | BIOL 3302L or BIOL 2228L |
| GE Objective 4: | 3 |  | GE | |  | |  |  |
| GE Objective 7 OR 8: | 3 |  | GE | |  | |  |  |
|  |  |  |  | |  | |  |  |
| Total | 15 |  |  | |  | |  |  |
| Semester Five | | | | | | | | |
| CHEM 3301/3303 Organic Chemistry I and lab | 4 | C | UM | | F | | CHEM 1112and CHEM 1112L | CHEM 3303 |
| BIOL 2235 or BIOL 2221 Microbiology and lab | 4 | C | UM | | F S | | CHEM 1111 and BIOL 1101 | BIOL 3335L or BIOL 2221L |
| PHYS 1111 General Physics I | 3 | C | UM | | F | | MATH 1143 |  |
| GE Objective 9: | 3 |  | GE | |  | |  |  |
| Elective Course | 1 |  |  | |  | |  |  |
| Total | 15 |  |  | |  | |  |  |
| Semester Six | | | | | | | | |
| CHEM 3302/3304 Organic Chemistry II and lab | 4 | C | UM | | S | | CHEM 3301/3303 | CHEM 3304 |
| BIOL 4432 Biochemistry | 3 | C | UM | | F S | | BIOL 1101, CHEM 3301 |  |
| BIOL 2206 & BIOL 2207 Cell Biology and lab - Elective | 4 |  |  | | F S | | BIOL 1101, BIOL 1102, CHEM 1112 |  |
| Elective | 3 |  |  | |  | |  |  |
| Elective | 1 |  |  | |  | |  |  |
| Total | 15 |  |  | |  | |  |  |
| Semester Seven | | | | | | | | |
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| Total |  |  |  | |  | |  |  |
| Semester Eight | | | | | | | | |
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| Total |  |  |  | |  | |  |  |
| \*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 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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| **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 | |
| BIOL 1101/L Biology I and lab (Obj 5) | 4 | ENGL 1102 | | | | 3 | |
| BIOL 2235/L or BIOL 2221/L Microbiology and lab | 4 | 2. Spoken English (3 cr. min) COMM 1101 | | | | 3 | |
| BIOL 3301/L or BIOL 2227/L Anatomy & Physiology I and lab | 4 | 3. Mathematics (3 cr. min) MATH 1153 Statistical Reasoning | | | | 3 | |
| BIOL 3302/L or BIOL 2227/L Anatomy & Physiology II and lab | 4 | 4. Humanities, Fine Arts, Foreign Lang. **(2 courses; 2 categories; 6 cr. min)** | | | | | |
| BIOL 4432 Biochemistry | 3 |  | | | |  | |
| CHEM 1111/L General Chemistry I and lab (Obj 5) | 5 |  | | | |  | |
| CHEM 1112/L General Chemistry II and lab | 4 | 5. Natural Sciences **(2 lectures-different course prefixes, 1 lab; 7 cr. min)** | | | | | |
| CHEM 3301/3303 Organic Chemistry I and lab | 4 | BIOL 1101/L Biology I and lab | | | | 4 | |
| CHEM 3302/3304 Organic Chemistry II and lab | 4 | CHEM 1111/L General Chemistry I and lab | | | | 5 | |
| ECON 2201 or ECON 2202 Macroeconomics or Microeconomics (Obj 6 | 3 |  | | | |  | |
| MATH 1153 Statistical Reasoning (Obj 3) | 3 | 6. Behavioral and Social Science **(2 courses-different prefixes; 6 cr. min)** | | | | | |
| MATH 1160 Applied Calculus | 3 | ECON 2201 Macroeconomics or ECON 2202 Microeconomics | | | | 3 | |
| PHYS 1111 General Physics I | 3 |  | | | |  | |
|  |  | One Course from EITHER Objective 7 OR 8 **(1course; 3 cr. min)** | | | | | |
|  |  | 7. Critical Thinking | | | |  | |
|  |  | 8. Information Literacy | | | |
|  |  | 9. Cultural Diversity **(1 course; 3 cr. min)** | | | | | |
|  |  |  | | | |  | |
|  |  | General Education Elective to reach 36 cr. min. **(if necessary)** | | | | | |
|  |  |  | | | |  | |
|  |  | **Total GE** | | | | **39** | |
|  |  | 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 | | | | 48 | |
|  |  | General Education | | | | 39 | |
|  |  | Upper Division Free Electives to reach 36 credits | | | |  | |
|  |  | Free Electives to reach 120 credits | | | |  | |
|  |  | TOTAL | | | |  | |
|  |  | Preprofessional/Prepharmacy focus does not lead to a BS or BA degree. | | | | | |
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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)*** | | | | | |
|  | |  | *Date* | | | | |
|  | |  |  | | | | |
|  | | *CAA or COT:* |  | | | | |
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|  | | **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** | | | | | |
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|  | | Form Revised 9.10.2019 | | | | | |

Degree, Major, Concentration Page 2