

**Catalog Year 2018-2019**

**Pre-Pharmacy**

A Major Academic Plan (MAP) is one way to complete a degree in a set number of semesters. The *example* below is an efficient strategy only. Actual plans for individual students will vary based on advisor recommendations and academic needs. Official Program Requirements including Major, General Education, Elective, 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 | 3 | C- | GE |  | Appropriate placement score |  |
| CHEM 1111 & Lab General Chemistry | 5 |  |  | F,S,Su | MATH 1143 or 1147 | CHEM 1111L |
| GE Objective 5: BIOL 1101 & Lab Biology I | 4 |  | GE |  | MATH 1108 | (MATH 1108) BIOL 1101L |
| GE Objective 4: | 3 |  | GE |  |  |  |
| Total | 15 |  |  |  |  |  |
| Semester Two | | | | | | |
| GE Objective 1: ENGL 1102 Critical Reading and Writing | 3 | C- | GE |  | ENGL 1101 or equivalent |  |
| GE Objective 2: COMM 1101 Principles of Speech | 3 |  | GE |  |  |  |
| CHEM 1112 & Lab General Chemistry II | 4 |  |  | F,S,Su | CHEM 1111 & 1111L | CHEM 1112L |
| BIOL 1102 & Lab Biology II (**optional)** Prereq to BIOL 2235 | 0-4 |  |  | F,S | BIOL 1101 | BIOL 1102L |
| Total | 10-14 |  |  |  |  |  |
| Semester Three | | | | | | |
| GE Objective 5: PHYS 1111 General Physics | 3 |  | GE | F | MATH 1143 or 1147 |  |
| BIOL 3301 & Lab Anatomy and Physiology | 4 |  | UM | F,S | BIOL 1101 | BIOL 3301L |
| GE Objective 6: ECON 2201 or 2202 | 3 |  | GE |  |  |  |
| GE Objective 3: MATH 1153 Introduction to Statistics | 3 |  | GE |  | MATH 1108 |  |
| Total | 13 |  |  |  |  |  |
| Semester Four | | | | | | |
| BIOL 3302 & Lab Anatomy and Physiology | 4 |  | UM | F,S | BIOL 1101 | BIOL 3302L |
| MATH 1160 Applied Calculus | 3 |  |  | F,S,Su | MATH 1143 or 1147 |  |
| GE Objective 7 or 8: | 3 |  | GE |  |  |  |
| GE Objective 6: | 3 |  | GE |  |  |  |
| Total | 13 |  |  |  |  |  |
| Semester Five | | | | | | |
| CHEM 3301/3303 Organic Chemistry | 4 |  | UM | F | CHEM 1112 & 1112L | CHEM 3303 |
| GE Objective 9: | 3 |  | GE |  |  |  |
| Either BIOL 2221 Intro to Microbiology and lab  (OR BIOL 2235 Intro General Microbiology and lab) | 4 |  |  | F,S | BIOL 1101 and CHEM 1112  BIOL 1101 and 1102 and CHEM 1112 | BIOL 2221L  BIOL 2235L |
| Free Electives | 1 |  |  |  |  |  |
| Total | 12 |  |  |  |  |  |
| Semester Six | | | | | | |
| CHEM 3302/3304 Organic Chemistry II | 4 |  | UM | S | CHEM 3301 | CHEM 3304 |
| BIOL 4432 Biochemistry | 3 |  | UM | F,S | BIOL 1101 and CHEM 3301 |  |
| GE Objective 4: | 3 |  | GE |  |  |  |
| Free Electives | 1 |  |  |  |  |  |
| Total | 11 |  |  |  |  |  |
| 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.) | | | | | | |

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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** |  | 1. Written English (6 cr. min) ENGL 1101 | | | | | | 3 |
| **Pre-Pharmacy Courses** | **35-39** | ENGL 1102 | | | | | | 3 |
| BIOL 1101 and 1101L Biology I and lab (4 cr. counted in Gen. Ed) | | 2. Spoken English (3 cr. min) COMM 1101 | | | | | | 3 |
|  |  | 3. Mathematics (3 cr. min) MATH 1153 | | | | | | 3 |
| Either BIOL 2221 and 2221L Intro to Microbiology  (OR BIOL 2235 and 2235L General Microbiology | 4 | 4. Humanities, Fine Arts, Foreign Lang. **(2 courses; 2 categories; 6 cr. min)** | | | | | | |
| AND BIOL 1102 and 1102L Biology II and Lab ) | 0-4 |  | | | | | |  |
| BIOL 3301 and 3301L Anatomy and Physiology and Lab | 4 |  | | | | | |  |
| BIOL 3302 and 3302L Anatomy and Physiology and Lab | 4 | 5. Natural Sciences **(2 lectures-different course prefixes, 1 lab; 7 cr. min)** | | | | | | |
| BIOL 4432 Biochemistry | 3 | BIOL 1101 and lab | | | | | | 4 |
| CHEM 1111 and 1111L | 5 | PHYS 1111 | | | | | | 3 |
| CHEM 1112 and 1112L | 4 |  | | | | | |  |
| CHEM 3301 and 3303 Organic Chemistry I and Lab | 4 | 6. Behavioral and Social Science **(2 courses-different prefixes; 6 cr. min)** | | | | | | |
| CHEM 3302 and 3304 Organic Chemistry II and Lab | 4 | ECON 2201 or 2202 | | | | | | 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)** | | | | | | |
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|  |  | **Total GE** | | | | | | **37** |
| **Required Courses satisfying Gen Ed Requirements** | **3** | Undergraduate Catalog and GE Objectives by [Catalog Year](https://www.isu.edu/advising/academic-support/general-education/) | | | | | | |
| COMM 1101 Principles of Speech (3 cr. counted in Gen Ed) | |
| Either ECON 2201 Principles or Macroeconomics | |  | | | | | | |
| or ECON 2202 Microeconomics (3 cr. counted in Gen Ed) | |
| ENGL 1101 English Composition or ENGL 1101P(3 cr. counted in Gen Ed) | |
| ENGL 1102 Critical Reading and Writing (3 cr. counted in Gen Ed) | | **MAP Credit Summary** | | | | | **CR** | |
| MATH 1153 Introduction to Statistics (3 cr. counted in Gen Ed) | | Major | | | | | 35-39 | |
| MATH 1160 Applied Calculus | 3 | General Education | | | | | 37 | |
| PHYS 1111 General Physics (3 cr. counted in Gen Ed) | | Free Electives | | | | | 2 | |
| (Recommended PHYS 1112 General Physics II 3 credits) |  | TOTAL | | | | | 74-78 | |
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|  |  | **Graduation Requirement Minimum Credit Checklist** | | | **Confirmed** | | | |
|  |  | Minimum 36 cr. General Education Objectives (15 cr. AAS) | | |  | | | |
|  |  | Minimum 16 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* | | | | | |
| Contact a Pharmacy Advisor for detailed information (208) 282-4597. | | *Department:* | 4.26.2018 ct | | | | | |
|  | | *CAA or COT:* | 4.26.2018 jh | | | | | |
|  | | *Registrar:* |  | | | | | |
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Form Revised 1.24.2018