

BS: Secondary Education — Biology (120 S.H. required to complete the degree)

Name: _____ Adviser: _____



General Education Requirements (43 S.H.)

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| COMMUNICATION SKILLS (3 S.H.)* Choose one of the following: COM 160 Public Speaking*, COM 161 Decision Making in Groups*, COM 162 Interpersonal Communication* or COM 163 Introduction to Communication Skills* | | |
| COM: | 3 | |
| WRITING INTENSIVE (W) * All students must complete at least one writing intensive course. W courses can be found in several disciplines. The credits will be counted in the discipline associated with the course. <i>NOTE: WRT101 does not satisfy the writing intensive requirement.</i> | | |
| Writing Intensive* | Y/N | |
| FOREIGN LANGUAGE All majors must complete a foreign language requirement. This may be done by completing a language at an elementary II level or above. Students who have completed three years of language in high school with at least a C average have satisfied this requirement. (For more info, click the link above.) | | |
| Foreign Language Requirement Met? | Y/N | |
| HUMANITIES (15 S.H.) Including 3 of 7 categories: Fine and Applied Arts (<i>NOTE: only one studio course accepted toward minimum</i>), Communication, Literature, Humanistic Studies, Philosophy, History, and Foreign Language. NOTE: You must complete the foreign language requirement (Elementary II or higher) before counting Elementary I foreign language courses as Humanities credit. | | |
| Fine/Applied Arts: | 3 | |
| HIS 148 American History to 1877 or HIS 149 American History from 1877 | 3 | |
| Elective: | 3 | |
| Elective: | 3 | |
| Elective: | 3 | |
| SOCIAL AND BEHAVIORAL SCIENCES (12 S.H.) Courses that satisfy this requirement can be found in Social Sciences (Anthropology, Economics, Political Science, Social Sciences, and Sociology), Non-Western Cultures and Psychology. You must complete in 2 of the 3 areas. | | |
| PSY 100 Introduction to Psychology * | 3 | |
| Elective: | 3 | |
| Elective: | 3 | |
| Elective: | 3 | |
| NATURAL SCIENCES, MATHEMATICS AND COMPUTER SCIENCE (11 S.H.) Students must complete two lab science and a math courses. | | |
| Lab Science: CHE 110 General Chemistry I* | 4 | |
| Lab Science: CHE 111 General Chemistry II* | 4 | |
| MAT 115 Introduction to Biostatistics or MAT 120 Elementary Statistics | 3 | |
| HEALTH PROMOTION AND EXERCISE SCIENCES (2 S.H.) | | |
| HPX 177 Fitness for Life — Lecture | 1 | |
| HPX 177 Fitness for Life — Activity | 1 | |

*C or better is required for courses.

**B or better is required for courses.

Major Requirements (76 S.H.)

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|---|----|--|
| BIOLOGY MAJOR REQUIREMENTS (41 S.H.) MINIMUM 3.0 G.P.A. | | |
| BIO 103 General Biology I | 4 | |
| BIO 104 General Biology II | 4 | |
| BIO 200 Ecology | 4 | |
| BIO 205 Animal Physiology | 4 | |
| BIO 260 Modes of Scientific Communication | 3 | |
| BIO 300 Cell Biology | 4 | |
| BIO 312 Genetics | 4 | |
| BIO 325 Evolutionary Biology | 3 | |
| BIO 490 Senior Research or BIO 480 Group Senior Research | 3 | |
| CHE 210 Organic Chemistry I | 4 | |
| CHE 211 Organic Chemistry II | 4 | |
| SECONDARY EDUCATION CERTIFICATION REQUIREMENTS (35 S.H.) | | |
| ED 206 Introduction to Education ** | 3 | |
| ED 212 Educational Psychology II: Childhood and Adolescence | 3 | |
| HPX 215 Health Issues in the Schools ** | 3 | |
| PROFESSIONAL SEMESTER — COMPLETED AS 13 S.H. BLOCK | | |
| EPY 405 Introduction to Special Education ** | 3 | |
| ED 385 Methods of Teaching in the Secondary Schools ** | 3 | |
| ED 386 Secondary Ed. Prof. Development School Experience ** | 1 | |
| ED 440 Integrating Language** | 3 | |
| ED 442 Teaching Science in Secondary Schools** | 3 | |
| STUDENT TEACHING — COMPLETED AS 13 S.H. BLOCK | | |
| ED 340 Assessment of Teaching Strategies | 1 | |
| ED 342 Student Teaching | 12 | |
| FREE ELECTIVE (1 S.H.) | | |
| Elective: | 1 | |
| EXAMS FOR STATE CERTIFICATION | | |
| Praxis I (or waiver) Required for admittance to program | | |
| Praxis II | | |
| LICENSE | | |
| TK 20 | | |

Free electives offer an opportunity to complete a minor, study a second language, study abroad, or participate in an internship. Make a plan.

NOTES

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Four-Year Plan This is a sample sequence of courses. Other combinations are possible.



Prerequisites are in parentheses; see catalog for details.

Class standing by credit: Freshman: 0-29 credits; Sophomore: 30-59 credits; Junior: 60-89 credits; Senior: 90+ credits

| FIRST YEAR (32 S.H.) | SEMESTER 1 (16 S.H.) | | | SEMESTER 2 (16 S.H.) | | |
|---------------------------|--|---|----------------------------|---|---|--|
| | Writing Intensive | 3 | | Gen Ed: PSY 100 Introduction to Psychology | 3 | |
| | Gen. Ed: HIS 148 American History to 1877 or HIS 149 American History from 1877 | 3 | | Gen Ed: Social and Behavioral Sciences | 3 | |
| | Gen. Ed: Humanities (foreign language if required) | 3 | | Gen Ed: Humanities (foreign language if required) | 3 | |
| | Gen. Ed: COM 160, 161, 162 or 163 | 3 | | Gen Ed: MAT 115 Introduction to Biostatistics or MAT 120 Elementary Statistics | 3 | |
| BIO 103 General Biology I | 4 | | BIO 104 General Biology II | 4 | | |

| SECOND YEAR (34 S.H.) | SEMESTER 3 (17 S.H.) | | | SEMESTER 4 (15 S.H.) | | |
|----------------------------------|---|---|--------------------------------------|---|---|--|
| | Gen. Ed: CHEM 110 General Chemistry I | 4 | | Gen. Ed: CHEM 111 General Chemistry II | 4 | |
| | Gen. Ed: Social and Behavioral Sciences | 4 | | Free Elective | 1 | |
| | BIO 200 Ecology (BIO 103 and BIO 104) | 3 | | BIO 205 Animal Physiology (BIO 104 or BIO 110) | 4 | |
| | BIO 260 Modes of Scientific Communication | 3 | | ED 212 Educational Psychology II: Childhood and Adolescence | 3 | |
| ED 206 Introduction to Education | 3 | | HPX 215 Health Issues in the Schools | 3 | | |

| THIRD YEAR (32 S.H.) | SEMESTER 5 (14 S.H.) | | | SEMESTER 6 (16 S.H.) | | |
|---|---|---|--|---|---|--|
| | BIO 312 Genetics (BIO 103, BIO 104 and junior standing) | 4 | | BIO 490 Senior Research or BIO 480 Group Senior Research | 3 | |
| | Gen Ed Fine Arts | 3 | | CHEM 211 Organic Chemistry II (CHEM 210) | 4 | |
| | CHEM 210 Organic Chemistry I (CHEM 110 and CHE 111 with grade of C or higher) | 4 | | BIO 300 Cell Biology (junior standing in Biology and one semester of organic chemistry) | 4 | |
| | Gen. Ed: Social and Behavioral Sciences or Humanities | 3 | | BIO 325 Evolutionary Biology (BIO 312 or permission of instructor) | 3 | |
| | | | | HPX 177 (lecture and activity) | 2 | |
| Complete a degree audit and plan for application for graduation | | | | | | |

| FOURTH YEAR (26 S.H.) | SEMESTER 7 (13 S.H.) | | | SEMESTER 8 (13 S.H.) | | |
|--|---|---|--|--|----|--|
| | EPY 405 Introduction to Special Education (EPY 203 or 204 OR PSY 210 or 211) | 3 | | ED 340 Assessment of Teaching Strategies | 1 | |
| | ED 385 Methods of Teaching in Secondary Schools (enrollment in professional semester) | 3 | | ED 342 Student Teaching | 12 | |
| | ED 386 Secondary Professional Development School Experience (enrollment in professional semester) | 1 | | | | |
| | ED 440 Integrating Language (enrollment in professional semester) | 3 | | | | |
| ED 442 Teaching Science in Secondary Schools (enrollment in professional semester) | 3 | | | | | |

The Education Department requirements are outlined on the department website. Please note requirements for admission to the program, exams, certifications, professional education fees and student teaching policies.