



FOUR-YEAR PROGRAM COMPLETION PLAN

Department of Biology

-- Domain General Education courses and open electives may be taken in any semester and in any order, except for Common Core Domain requirements, which must be taken during Year One.

--Refer to your Degree Audit for specific course requirements.

--Students in this concentration must also declare a minor in Secondary Education.

Recommended Schedule for Bachelor of Science: Major in Biology, Concentration in Secondary Education Teaching Program, Minor in Secondary Education (UBIT):

| Year One: Fall Semester | Year One: Spring Semester |
|--|---|
| BIOL 160 Introduction to Organismal Biology with Lab | BIOL 161 Introduction to Cellular & Molecular Biology with Lab |
| CHEM107 Principles of Chemistry with Lab | CHEM 108 Principles of Chemistry & Quantitative Analysis with Lab |
| MATH 123 College Algebra (if needed) | MATH 180 Precalculus |
| ENGL 110 Expository Writing | Domain General Education Course |

| Year Two: Fall Semester | Year Two: Spring Semester |
|--|---|
| CHEM 207 Organic Chemistry I with Lab | PSYC 200 Psychology of Development |
| BIOL 248 Principles of Ecology with Lab | BIOL 235 Principles of Human Physiology with Lab |
| BIOL 208 Genetics with Lab | EDUC 200 Education in American Society with Field Study I |
| BIOL 230 Professional Communication in Biology | Open Elective |

| Year Three: Fall Semester | Year Three: Spring Semester |
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| STAT 208 Biostatistics OR ENVS 202 Data Analysis for Scientists | BIOL 261 Molecular Biology with Lab |
| PHYS 201 Introductory Physics | EDUC 222 Sheltered English Immersion |
| Biology Elective (Plant Course) | BIOL 402 Processes of Organic Evolution |
| Domain General Education Course | Domain General Education Course |

| Year Four: Fall Semester | Year Four: Spring Semester |
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| BIOL 460 Research Experience in Biology | EDPS 425A Secondary Professional Practicum A: Science 8-12 (2 course-credits) |
| EDIL 302 Secondary Methods with Field Study II: Special Needs and Educational Technology | EDPS 425B Secondary Professional Practicum B: Science 8-12 (2 course-credits) |
| EDIL 325 Secondary Methods with Field Study II: Science 8-12 | |
| Domain General Education Course | |

Domain General Education Checklist:

--Domain II-B is fulfilled through completion of the major.

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| Common Core: | ___ | A. ENGL 110 Expository Writing |
| | ___ | B. MATH XXX (credit-bearing) |
| Domain I: | ___ | A. Creative Arts |
| | ___ | B. Humanities |
| | ___ | C. Language |
| Domain II: | ___ | A. Analysis, Modeling, Problem Solving |
| | <u> X </u> | B. Natural Sciences (two courses) |
| Domain III: | ___ | A. Perspectives on the Past |
| | ___ | B. Perspectives on Contemporary World |
| | ___ | C. Global Competency, Ethical Reasoning, Human Diversity |