

BIOLOGY MAJOR

Teaching Program with Minor in Secondary Education

This worksheet is a guide to supplement your degree audit in Degree Works. All students need 32 FSU course-credits to graduate. For students who change majors or enter FSU with transfer credits your degree audit may appear differently, as previous coursework could fulfill Domains and Free Electives. Please see your Advisor and/or The Advising Center with any questions.

DOMAIN GENERAL EDUCATION (11 Courses Required):

The FSU General Education program consists of 11 requirements. In the Biology major Domain II-B is satisfied through completion of the major (X). Three (3) additional subdomains are met by specific courses in the major (see below), leaving **seven (7) courses to be completed** to satisfy the remaining General Education subdomains through courses taken outside the major department. Only courses designated (Gen. Ed. Domain) after the course title will meet General Education requirements. Please refer to the catalog (p. 256) for full information.

Common Core

- _____ A. ENWR 110 Composition II
 _____ B. MATH/STAT XXX (credit-bearing): MATH 180*

Domain I

- _____ A. Creative Arts: _____
 _____ B. Humanities: _____
 _____ C. Language: _____

Domain II

- _____ A. Analysis, Modeling, Problem-Solving
 _____ B. Natural Sciences (2): Non-Lab Science: _____
 _____ X _____ Lab Science

Domain III

- _____ A. Perspectives on the Past: _____
 _____ B. Perspectives on Contemporary World: PSYC 200*
 _____ C. Global Competency, Ethical Reasoning,
 and/or Human Diversity: EDUC 246*

X = Fulfilled through completion of major

* = Required course in the major

MAJOR COURSES (15-16 courses, 16.25-17.0 credits):

Required Core Courses (8 courses, 9 credits):

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|-------|--------------------|--|
| _____ | BIOL 125 | The Biology Experience |
| _____ | BIOL 135/135L | Foundations of Biological Science with Lab |
| _____ | BIOL 208/208L | Genetics with Lab |
| _____ | BIOL 230 | Professional Communication in Biology |
| _____ | BIOL 402 | Processes of Organic Evolution |
| _____ | CHEM 107/107L | Principles of Chemistry with Lab |
| _____ | CHEM 108/108L | Principles of Chemistry and Quantitative Analysis with Lab |
| _____ | STAT 203 | Statistics for the Natural Sciences (II-A)* |
| | <u>or</u> ENVS 202 | Data Analysis for Scientists |
| | <u>or</u> STAA 127 | Statistics for the Social Sciences (II-A)* |

* *Fulfills Gen. Ed. Domain II-A if taken.*

Required Capstone Course (1):

- _____ BIOL 460 Research Experience in Biology

Secondary Education Teaching Program Concentration (6-7 courses, 7.25-8 credits):

Required Courses (4-5 courses, 4.75-5.0 credits):

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|-------|-------------------------|--|
| _____ | BIOL 235/235L | Principles of Human Biology with Lab |
| | <u>or</u> BIOL 241/241L | Human Anat. & Physiology I with Lab AND |
| | BIOL 242/242L | Human Anat. & Physiology II with Lab |
| _____ | BIOL 248/248L | Principles of Ecology with Lab |
| _____ | MATH 180 | Precalculus |
| | <u>or</u> MATH 219 | Calculus I |
| _____ | PHYS 201/201L | Phys. for Earth and Life Scientists with Lab |

One (1) of the following courses from Cell and Molecular Biology Systems

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|-------|---------------|----------------------------|
| _____ | BIOL 260/260L | Cell Biology with Lab |
| _____ | BIOL 262/262L | Molecular Biology with Lab |

One (1) of the following courses from Chemistry Electives

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|-------|---------------|---|
| _____ | CHEM 201/201L | Intro. Org. Chem. and Biochem. with Lab |
| _____ | CHEM 207/207L | Organic Chemistry I with Lab |

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MINOR IN SECONDARY EDUCATION (8 courses, 9.25 credits):

Teacher of Science: Biology Grades 8-12

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|-------|------------|---|
| _____ | EDUC 200 | Foundations of Secondary Education with Pre-Practicum I |
| _____ | EDUC 246 | Sheltered English Immersion in Secondary Education (III-C) ** |
| _____ | EDIL 302 | Secondary Methods with Field Study II: Special Needs and Educational Technology |
| _____ | EDIL 325 | Secondary Methods with Field Study II: Science 8-12 |
| _____ | EDPS 425A | Secondary Professional Practicum A: Science 8-12 (2 course-credits) |
| _____ | EDPS 425B | Secondary Professional Practicum B: Science 8-12 (2 course-credits) |
| _____ | MTLP 101CL | Communication and Literacy Skills Test MTEL Preparation I |
| _____ | PSYC 200 | Psychology of Development (III-B)** |

*** Fulfills a General Education requirement.*

FREE ELECTIVES (0):

All Free Electives in this major are used to complete the Secondary Education minor.