

B.A. Biology/Ecology Option

Recommended Biology Courses:

BIO 203	Invertebrate Zoology	4 S.H.
BIO 204	Vertebrate Zoology	4 S.H.
BIO 205	Animal Physiology	4 S.H.
BIO 206	Plant Morphology	4 S.H.
BIO 207	Plant Physiology	4 S.H.
BIO 208	Animal Behavior	4 S.H.
BIO 209	Plant Systematics	4 S.H.
BIO 300	Cell Biology	4 S.H.
BIO 311	Developmental Biology	4 S.H.
BIO 320	Conservation Biology	4 S.H.
BIO 420	Phycology	4 S.H.
BIO 450	Population Biology	3 S.H.
BIO 460	Ecosystem Ecology	3 S.H.
BIO 470	Entomology	4 S.H.

Approved Physical Sciences & Mathematics Courses:

CHE 205, 206	Analytical Chemistry , Lecture & Laboratory	3, 2 S.H.
CHE 210, 211	Organic Chemistry I & II	8 S.H.
CHE 421, 422	Biochemistry	6 S.H.
ES 110	Physical Geology	4 S.H.
ES 111	Historical Geology	4 S.H.
MAT 181, 182	Calculus I & II	4, 4 S.H.
PHY 110, 111	General Physics I & II (Calculus)	4, 4 S.H.
PHY 120, 121	General Physics I & II	4, 4 S.H.

BIO 299 - May be taken by either major or non-major. Student must write a proposal of project, secure a biology advisor, decide on number of credits and submit to Biology Chairperson for departmental approval . No student may register for BIO 299 without department approval.

BIO 490 - Biology majors are expected to have completed ES 110, BIO 103, 104, 200, 215, 312, 360 before registering for BIO 490- Senior Research. Exceptions are made if circumstances arise which are reasonable. Advisors will make judgments in consultation with student.

NOTE: Students may not take 360 and 490 concurrently. Any such request requires prior approval of the Biology Department.

Three (3) years of one foreign language in High School with "C" grade meets foreign language requirement **OR** at least three (3) years in High School divided between two foreign languages, average in both languages "B" **OR** take Western Connecticut State University courses.

Check Western Connecticut State University's Catalog or Registration Booklet for list of general education courses.

7/01, 7/04, 8/04, 6/09, 6/26/09

WESTERN CONNECTICUT STATE UNIVERSITY

B.A. BIOLOGY

Ecology Option

Student _____

Box _____

I. GENERAL EDUCATION REQUIREMENTS (41 S.H. plus HPX)*

Communication Skills (3 S.H.)

COM 160, 161 or 162 _____ 3 _____

Has completed one Writing Intensive (W) course Yes _____ No _____

Humanities (15 S.H. minimum, including 3 of 6 fields:

Fine and Applied Arts - only 1 studio course accepted toward minimum - Foreign Language, Humanistic Studies, Literature, Philosophy, Western History)

_____ 3 _____

_____ 3 _____

_____ 3 _____

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_____ 3 _____

Social & Behavioral Sciences (12 S.H. minimum including

2 of 3 fields: Non-Western Culture, Psychology, Social Sciences)

_____ 3 _____

_____ 3 _____

_____ 3 _____

_____ 3 _____

Natural Sciences & Mathematics (11 S.H. minimum

including both laboratory science and mathematics)

CHE 110, 111, General Chemistry I & II (4 - 4) 8 _____

MAT 115 or 120 3 _____

Health Promotion and Exercise Sciences (2 S.H.)

HPX 177 Fitness for Life 2 _____

II. MAJOR REQUIREMENTS (57-60 Semester Hours)

BIO 103, 104 General Biology I & II (4 - 4) 8 _____

BIO 200 Ecology 4 _____

BIO 205 or BIO 207 Animal or Plant Physiology 4 _____

BIO 215 Microbiology 4 _____

BIO 312 Genetics 4 _____

BIO 320 Conservation Biology OR BIO 450 Population Ecology

OR BIO 460 Ecosystem Ecology 3 or 4 _____

BIO 325 Evolutionary Biology 3 _____

BIO 360 Scientific Communication 2 _____

BIO 490 Senior Research 3 _____

Three Biology Courses (200 level or above) (11-12 S.H.)

See recommended list on reverse side.

BIO _____ _____

BIO _____ _____

BIO _____ _____

Physical Science/Math courses (11-12 S.H.), must include CHE 210, 211

or PHY 110, 111, 120, 121 or MAT 101, 102 (See list on reverse side.)

_____ _____

_____ _____

_____ _____

_____ _____

III. FREE ELECTIVES+

_____ _____

_____ _____

_____ _____

_____ _____

_____ _____

Foreign Language Requirement Completed: Yes _____ No _____

+Minimum of 122 S.H. including HPX 177 for B.A. Degree

Office Admissions Evaluation of Transfer Credit

Entering Date _____ **day/eve/full/part-time**

Previous School(s) _____

Number Title Credits

Foreign Language Requirement Met Through

High School Exemption: Yes _____ No _____

Total Transfer Credits _____

*General education requirements at Western total 42 semester hours. In some instances, work toward a major program partially fulfills general education requirements. The remaining general education requirements for this program are shown above. 7/01, 7/04, 8/04, 6/09, 6/26/09