## **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 or 480 - Biology majors are expected to have completed ES 110, BIO 103, 104, 200, 215, 312, 360 before registering for BIO 490- Senior Research or BIO 480 Group 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 or 480 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.

8/04, 6/09, 6/26/09, 3/12, 5/12, 9/13

## WESTERN CONNECTICUT STATE UNIVERSITY

B.A. BIOLOGY	Student		Office Admissio	ons Evaluation of	Transfer Credit
<b>Ecology Option</b>	Во	OX	Entering Date _	day/e	ve/full/part-time
			Previous School	l(s)	
I. GENERAL EDUCATION REQUIREMENT	NTS (41 S.H. plus HPX)	<b>)*</b>			
<b>Communication Skills (3 S.H.)</b>			Number	Title	Credits
COM 160, 161, 162 or 163		3			
Has completed one Writing Intensive		No			
<b>Humanities</b> (15 S.H. minimum, incl					
Fine and Applied Arts - only 1 stud			Foreign Langua	age Requirement	Met Through
toward minimum - Foreign Langua				emption: Yes	
Literature, Philosophy, Western Hi		,		•	
, 1 2,	• /	3			
		3			
		3			
		3			
		3			
Social & Behavioral Sciences (12 S	S H. minimum including	<u> </u>			
2 of 3 fields: Non-Western Culture					
2 of 5 fields. I ton Western Culture	, i sychology, bociui be	3			
		3			
		3			
<del></del>		3			
Natural Sciences & Mathematics (	11 S H. minimum	3			
including both laboratory science a					
CHE 110, 111, General Chemistry		Q			
MAT 115 or 120		8 3			
Health Promotion and Exercise So		3			
HPX 177 Fitness for Life	ciences (2 S.H.)	2			
	mostow Houses)	2			
II. MAJOR REQUIREMENTS (57-60 Sen		O			
BIO 103, 104 General Biology I &	11 (4 - 4)	8			
BIO 200 Ecology	Dl	4			
BIO 205 or BIO 207 Animal or Plan	nt Physiology	4			
BIO 215 Microbiology		4			
BIO 312 Genetics	DDIO 450 D 1 .' I	4			
BIO 320 Conservation Biology Of					
OR BIO 460 Ecosystem	Ecology	3 or 4			
BIO 325 Evolutionary Biology		3			
BIO 360 Scientific Communication	<del></del>	2			
BIO 490 <b>or</b> BIO 480-Senior Research	-	rch 3			
Three Biology Courses (200 level of					
See recommended list on reverse significant seems of the second second seems of the second seems of the second second seems of the second second seems of the second secon					
BIO	<del></del>				
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Physical Science/Math courses (11					
or PHY 110, 111, 120, 121 or MAT 181	l, 182 (See list on rever	se side.)			
	<del></del>				
III. FREE ELECTIVES+					
Foreign Language Requirement Comp	pleted: Yes No		Total Transfer	Credits	

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

\*General education requirements at Western total 42semester 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. 8/04, 6/09, 6/26/09, 3/12, 5/12, 9/13