

WESTERN ILLINOIS UNIVERSITY – DEPARTMENT OF BIOLOGICAL SCIENCES  
Bachelor of Science in Biology with a **ENVIRONMENTAL BIOLOGY** Option

**FRESHMAN YEAR**

<u>Fall</u>		<u>Spring</u>	
FYE (Zoology 200* or Botany 200*)	4	Botany 200* or Zoology 200*	4
Chemistry 101 or 201 * <sup>2</sup>	4	Chemistry 102 or 202*	4
Math 128 <sup>3</sup>	3	English 180* <sup>1</sup>	3
Humanities Elective	3	Social Science Elective	3
Human Well Being or University 100	1-2	Humanities Elective (Fine Art) <sup>6</sup>	3
	15-16 hr		17 hr

**SOPHMORE YEAR**

Microbiology 200*	4	Biology 330 (Cell Biology)	4
Physical Science Sequence (see below)	3-5	Physical Science Sequence (see below)	3-5
Chemistry 221 or 330 or 331	4-5	English 280* <sup>1</sup>	3
Statistics 171 (see below)	3	Social Science Elective	3
	14-17 hr	Minor Elective <sup>5</sup>	3
			16-18 hr

**JUNIOR YEAR**

Directed Elective	3	Biology 340 (Genetics)	4
Biology 350 (Ecology)	4	Humanities Elective (or Foreign Language) <sup>4</sup>	3-4
Humanities Elective (or Foreign Language) <sup>4</sup>	3-4	Social Science Elective	3
Social Science Elective	3	Minor Elective <sup>5</sup>	3
Minor Elective <sup>3</sup>	3		13-14 hr
	16-17 hr		

**Recommended Time for General Record Exam (GRE)**

**SENIOR YEAR**

Directed Elective (see below)	3	Directed Elective (see below)	3
Directed Elective (see below)	3	Directed Elective (see below)	3
Communication 241 (Speech)	3	Human Well Being	2-3
Multicultural Elective	3	Minor Elective <sup>5</sup>	3
Minor Elective <sup>5</sup>	3	Minor Elective <sup>5</sup>	3
	15 hr	BIOL 499 - Program Assessment Exam	0
			14-15 hr

1 – English 180 and 280 may be taken in either Fall or Spring Semester of the 1<sup>st</sup> (180) or 2<sup>nd</sup> year (280).

2 – Take Chem 100 before 201 if lacking high school chemistry or lacking a strong math background. Chemistry sequences: see below.

3 – Math placement is determined during orientation. Required classes are listed below. Some students may need to take more math to meet the prerequisites for the required courses. SEE ADVISOR.

4 – The foreign language/global issues graduation requirement may be fulfilled by successfully completing one of the following: 1) an intermediate foreign language requirement; 2) a General Education global issues course; 3) any major's discipline-specific global issues course; or 4) an approved study abroad program. SEE ADVISOR.

5 – Semester hours and/or number of elective courses may vary by minor.

6 – At least one Humanities Elective must be a Fine Art (see catalog)

\*-These classes require the student to earn a C or better to pass

**Major Required Courses (24)**

BOT 200 \_\_\_\_\_(4)  
 ZOOL 200 \_\_\_\_\_(4)  
 MICR 200 \_\_\_\_\_(4)  
 BIOL 330 \_\_\_\_\_(4)  
 BIOL 340 \_\_\_\_\_(4)  
 BIOL 350 \_\_\_\_\_(4)

**Directed Electives (15)**

Ecology and Evolution \_\_\_\_\_(3)  
 (BIOL 312, 425, 426, 451, 452, 456, 458, 459, 477, 479, 495; BOT 451, MICR 451; ZOOL 325, 451, 485)  
 Biodiversity \_\_\_\_\_(3)  
 (BOT 410, 423, 452; MICR 401, 423, 460; ZOOL 408, 409, 410, 411, 412, 413, 414, 415, 416, 452, 460)  
 Zoology \_\_\_\_\_(3)  
 Botany \_\_\_\_\_(3)  
 Biol/Zool/Bot/Micro \_\_\_\_\_(3)  
1 course from above must be a field course

**Chemistry Sequence (12-13)**

CHEM 101 \_\_\_\_\_(4)  
 CHEM 102 \_\_\_\_\_(4)  
 CHEM 221 \_\_\_\_\_(4);  
 OR  
 CHEM 201 \_\_\_\_\_(4)  
 CHEM 202 \_\_\_\_\_(4)  
 CHEM 330 or 331 \_\_\_\_\_(5)

Pick 1 of the above sequences

**Mathematics (6-7)**

Math 128 \_\_\_\_\_(3) AND Stat 171 \_\_\_\_\_(3) OR Math 133(4).

This major requires one of the following minors: Botany, Microbiology, Zoology, Agriculture, Environmental Studies, GIS, Geology, Natural Resource Conservation, RPTA, Horticulture, Urban Forestry

**Physical Science Sequence (6-10)**

PHYS 114 \_\_\_\_\_(4) 115 \_\_\_\_\_(4)  
 OR  
 PHYS 124 \_\_\_\_\_(5) 125 \_\_\_\_\_(5)  
 OR  
 METR 120 \_\_\_\_\_(4) GEOG 121 \_\_\_\_\_(4)  
 OR  
 GIS 202 \_\_\_\_\_(4) 405 \_\_\_\_\_(3)  
 OR  
 GEOL 110 \_\_\_\_\_(4) 112 \_\_\_\_\_(4) 113 \_\_\_\_\_(3)  
 115 \_\_\_\_\_(3) (Pick 2 of the 4 courses)