

WESTERN ILLINOIS UNIVERSITY – DEPARTMENT OF BIOLOGICAL SCIENCES
Bachelor of Science in Biology with a **BOTANY** 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* ²	4	Chemistry 102 or 202*	4
Math 128 ³	3	English 180* ¹	3
Humanities Elective	3	Social Science Elective	3
Human Well Being or University 100	1-2	Humanities Elective (Fine Art) ⁶	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* ¹	3
Statistics 171 (see below)	3	Minor Elective ⁷	3
	14-17 hr		13-15 hr

JUNIOR YEAR

Botany 410 (Systematics)	3	Botany 320 (Anatomy)	3
Botany Directed Elective (see below)	3	Biology 340 (Genetics)	4
Humanities Elective (or Foreign Language) ⁴	3-4	Humanities Elective (or Foreign Language) ⁴	3-4
Social Science Elective	3	Social Science Elective	3
Minor Elective ⁵	3	Minor Elective ⁵	3
	15-16 hr		16-17 hr

Recommended Time for General Record Exam (GRE)

SENIOR YEAR

Botany Directed Elective (see below)	3	Botany 430 (Plant Physiology)	3
Biology 350 (Ecology)	4	Minor Elective ⁷	3
Communication 241 (Speech)	3	Human Well Being	2-3
Multicultural Elective	3	Minor Elective ⁵	3
Social Science Elective	3	Minor Elective ⁵	3
	16 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 1st (180) or 2nd 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 (33)

BOT 200_____(4)
 ZOOL 200_____(4)
 MICR 200_____(4)
 BIOL 330_____(4)
 BIOL 340_____(4)
 BIOL 350_____(4)
 BOT 320_____(3)
 BOT 430_____(3)
 BOT 410_____(3)

Botany Directed Electives (6)

BOT_____(3)
 BOT_____(3)
 (BIOL 312, 425, 451, 452, 458, 459, 466, 470, 477, 478, 479, 480, 495; BOT 210, 329, 423, 451, 452, 463, 476, 481)

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 a minor. See advisor for complementary minors.

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)