

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

**FRESHMAN YEAR**

<u>Fall</u>		<u>Spring</u>	
FYE (Zoology 200* or Botany 200*)	(4)	Botany 200* or Zoology 200*	(4)
University 100	(1)	Social Science FYE	(3)
Humanities Elective	(3)	Chemistry 202 or 102	(4)
Chemistry 201 <sup>2</sup> or 101	(4)	English 180 <sup>1</sup>	(3)
Human Well Being	(1-3)	Humanities Elective	<u>(3)</u>
Math 128 <sup>3</sup>	<u>(3)</u>		17
	16-18		

**SOPHOMORE YEAR**

Microbiology 200*	(4)	Biology 330 (Cell Biology)	(4)
Science Sequence (see below)	(3-5)	Science Sequence (see below)	(3-5)
Chemistry 331 or 221 or 330	(4-5)	English 280 <sup>1</sup>	(3)
Statistics 171 (see below)	<u>(3)</u>	Social Science elective	<u>(3)</u>
Global Issues Req <sup>4</sup>	14-17		13-15

**JUNIOR YEAR**

		<b>General Record Exam (GRE)</b>	
Biology 350 (Ecology)	(4)	Medical Micro Elective	(3)
Foreign Language (or Humanity Elective)	(3-4)	Foreign Language (or Humanity Elective)	(3-4)
Minor Elective	(3)	Biology 340 (Genetics) <sup>5</sup>	(4)
Minor Elective	<u>(3)</u>	Minor Elective	(3)
	13-14	Social Science Elective	<u>(3)</u>
			16-17

**SENIOR YEAR**

Communication 241 (Speech)	(3)	Diversity Micro Elective	(3)
Applied Micro Elective	(3)	Microbiology Directed Elective	(3)
Social Science Elective	(3)	Minor Elective	(3)
Microbiology Directed Elective	(3)	Human Well Being	(1-3)
Minor Elective	<u>(3)</u>	Multicultural Elective	<u>(3)</u>
	15		13-15

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-Biology 330 is a pre-requisite to Biology 340

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

<u>Micro required (33)</u>	<u>Micro Dir. Elec. (6)</u>	<u>Chem. Sequence (12-13)</u>	<u>Science Sequence</u>
Bot 200_____(4)	Micro_____(3)	Chem 101_____(4)	Phys 114__(4) 115__(4)
Micr 200_____(4)	Micro_____(3)	Chem 102_____(4)	OR
Zool 200_____(4)		Chem 221_____(4);	Phys 124__(5) 125__(5)
Biol 330_____(4)		OR	OR
Biol 340_____(4)		Chem 201_____(4)	Geog. 120__(4) 121__(4)
Biol 350_____(4)		Chem 202_____(4)	Geol 110__(4) 112__(4)
Diversity_____(3)		Chem 330 or 331_____(5)	113__(3) 115__(3)
Micr 400, 401, 402, 404, 423			Pick 2 of the above
Applied_____(3)			
Biol 466, Micr 451, 465			
Medical_____(3)			
Micr 405, 434, 460, 463, 464			

Other required courses: Math 128\_\_(3)AND Stat 171\_\_(3). OR Math 133. **See Advisor.**  
Foreign Language\_\_(4), \_\_(4) or 2 or more years in high school with a passing grade.  
This major requires a minor. See advisor for complementary minors.