## BIOLOGY MAJOR WITH MOLECULAR/GENETICS EMPHASIS B.S., FOUR-YEAR PLAN

Below is a sample degree plan that can be used as a guide to identify courses required to fulfill the major and other requirements needed for degree completion. The following is only an example and represents a possible course sequence for first-year students entering UW-Platteville in the fall term. The major requirements do not add up to the 120 credits needed for graduation. See your advisor for additional guidance. A student's actual degree plan may differ depending on the course of study selected (emphasis, second major, minor, etc.), placement scores, and incoming credits (transfer, AP, etc.). Students should consult their program advisor(s) to ensure that they have the most accurate and up-to-date information available about a particular four-year degree option.

This sample plan assumes readiness for each course and/or major plan. Some courses may not be offered every term. All courses may not be available at all campuses and/or in all formats.

Students should use the Academic Advisement Report (AAR) in PASS and work closely with their advisor(s) to ensure completion of all requirements in a timely manner.

Bachelor of Science students who have not maintained a "C" or higher average in one year (2 semesters) of high school world language course must complete a minimum of one semester in a university-level world language with a grade of "C" or better

	V 1
ŗ	Year 1
BIOLOGY 1020 <sup>2</sup>	1
BIOLOGY 1650 <sup>3</sup>	5
MATH 1530	3
ENGLISH 1130 <sup>1</sup>	3
Social Science General Education Elective <sup>1</sup>	3
	15
Total Credits: 15	
	Year 1
Sec	ond Semester Credits
BIOLOGY 1750 <sup>3</sup>	5
ENGLISH 1230 <sup>1</sup>	3
HHP 1000 <sup>1</sup>	1
MATH 1830 <sup>3</sup>	3
Social Science General Education Elective <sup>1</sup>	3
	15
Total Credits: 15	
	Year 2
ſ	First Semester Credits
BIOLOGY 2420 <sup>2</sup>	
BIOLOGY 2420 BIOLOGY 3330 <sup>2</sup>	3
CHEMSTRY 1140 <sup>3</sup>	4
Physical Activity General Education Elective <sup>1</sup>	1
Course(s) to count toward a minor <sup>4</sup>	3
ovarse(s) to count toward a minor	14
Total Credits: 14	<del>``</del>
	Year 2
Sec	ond Semester Credits
	3
BIOLOGY 3450 <sup>2</sup>	
BIOLOGY 3450 <sup>2</sup> CHEMSTRY 1240 <sup>2</sup>	4
BIOLOGY 3450 <sup>2</sup>	

Course(s) to count toward a minor 4         16           Total Credits: 16         Years 3           BIOLOGY 2040 <sup>2</sup> First Semester Credits           BIOLOGY 3530 <sup>2</sup> 4           BIOLOGY 3530 <sup>2</sup> 1           CHEMSTRY 3510 <sup>2</sup> 1           CHEMSTRY 3540 <sup>2</sup> 3           Course(s) to count toward a minor 4         3           Total Credits: 15         Years           BIOLOGY 4040 <sup>2</sup> 5           BIOLOGY 4520 <sup>2</sup> 5           BIOLOGY 4520 <sup>2</sup> 1           BIOLOGY 3520 <sup>2</sup> 1           BIOLOGY 3240 <sup>2</sup> 1           Total Credits: 15         Year 4           BIOLOGY 3240 <sup>2</sup> 2           BIOLOGY 3240 <sup>2</sup> 2           BIOLOGY 3240 <sup>2</sup> 2           BIOLOGY 3240 <sup>2</sup> 1           BIOLOGY 3240 <sup>2</sup> 2           BIOLOGY 3240 <sup>2</sup> 1           Total Credits: 17         Year 4           Second Semester Credits </th <th></th> <th></th>				
Total Credits: 16           First Semester Credits           BIOLOGY 2040°         First Semester Credits           BIOLOGY 3530°         4           BIOLOGY 3530°         3           CHEMSTRY 3510°         4           CEMSTRY 3540°         4           CEMSTRY 3540°         3           Total Credits: 15           Years           Second Semester Credits           BIOLOGY 4940°         5           BIOLOGY 4920°         1           BIOLOGY 4920°         1           BIOLOGY 4920°         1           BIOLOGY 4920°         1           CHEMSTRY 4630°         2           CHEMSTRY 4630°         3           Cause(s) to count toward a minor 4         3           Total Credits: 15           First Semester Credits           BIOLOGY 3240°         2           BIOLOGY 3240°         2           BIOLOGY 3240°         3           BIOLOGY 3240°         3           BIOLOGY 3240°         4           Total Credits: 17         2           Total Credits: 17           Total Credits: 17	Course(s) to count toward a minor <sup>4</sup>	3		
Pirat Semester Credits   Pirat Credits   Pirat Semester Credits   Pirat Cre		16		
Pist Semester Credits	Total Credits: 16			
Pist Semester Credits				
BIOLOGY 2040²         4           BIOLOGY 3530²         3           CHEMSTRY 3510²         1           CHEMSTRY 3540²         4           Course(s) to count toward a minor⁴         3           Total Credits: 15           Total Credits: 5           Second Semester Credits           BIOLOGY 400²         5           BIOLOGY 4520²         2           BIOLOGY 4920²         1           CHEMSTRY 4610²         1           CHEMSTRY 4630²         3           Course(s) to count toward a minor⁴         3           Total Credits: 15         Year 4           Total Credits: 9           BIOLOGY 3240²         3           BIOLOGY 3240²         2           BIOLOGY 3240²         2           BIOLOGY 3200²         2           BIOLOGY 4920²         2           BIOLOGY 4920²         2           Course(s) to count toward a minor⁴         6           Course(s) to count toward a minor⁴         6           Total Credits: 17         5           BIOLOGY 4920²         2           BIOLOGY 4920²         2           BIOLOGY 4920²         1 <td< td=""><td></td><td></td></td<>				
BIOLOGY 3530 <sup>2</sup> 3           CHEMSTRY 3510 <sup>2</sup> 4           COUTSE(S) to count toward a minor <sup>4</sup> 3           Total Credits: 15           Total Credits: 15           Second Semester Credits           BIOLOGY 4040 <sup>2</sup> 5           BIOLOGY 4520 <sup>2</sup> 2           BIOLOGY 4920 <sup>2</sup> 1           CHEMSTRY 4610 <sup>2</sup> 1           CHEMSTRY 4630 <sup>2</sup> 3           Course(s) to count toward a minor <sup>4</sup> 3           Total Credits: 15           First Semester Credits           BIOLOGY 3240 <sup>2</sup> 5           BIOLOGY 3240 <sup>2</sup> 5           BIOLOGY 3240 <sup>2</sup> 2           BIOLOGY 3240 <sup>2</sup> 2           BIOLOGY 4920 <sup>2</sup> 1           BIOLOGY 4920 <sup>2</sup> 2           BIOLOGY 4920 <sup>2</sup> 3           Course(s) to count toward a minor <sup>4</sup> 6           Total Credits: 17           Total Credits: 17           Total Credits: 17           Total Credits: 17           First Semester Credits           BIOLOGY 4920 <sup>2</sup> BIOLOGY 12	PIOLOGY 2040 <sup>2</sup>			
CHEMSTRY 3510²         1           CHEMSTRY 3540²         4           Course(s) to count toward a minor⁴         3 <td< td=""><td></td><td></td></td<>				
CHEMSTRY 3540²         3           Course(s) to count toward a minor⁴         3           Total Credits: 15         Year 3           Vegas           BIOLOGY 4040²         5           BIOLOGY 4920²         2           BIOLOGY 4920²         1           CHEMSTRY 4610²         1           CHEMSTRY 4610²         3           CHEMSTRY 4630²         3           Gourse(s) to count toward a minor⁴         15           Total Credits: 15           Year 4           BIOLOGY 3240²         5           BIOLOGY 320²         2           BIOLOGY 320²         2           BIOLOGY 320²         2           BIOLOGY 4920²         1           Humanities General Education Elective¹         3           Course(s) to count toward a minor⁴         6           Total Credits: 17           Second Semester Credits           BIOLOGY 312°         2           BIOLOGY 4920²         1           BIOLOGY 4920²         1           BIOLOGY 4920²         1           BIOLOGY 4990²         1           BIOLOGY 4990²         1           B				
Course(s) to count toward a minor⁴         15           Total Credits: 15         Year 3           Second Semester Credits           BIOLOGY 4040²         5           BIOLOGY 4520²         2           BIOLOGY 4920²         1           CHEMSTRY 4610²         1           CHEMSTRY 4630²         3           Course(s) to count toward a minor⁴         3           Second Semester Credits           Total Credits: 15           Total Credits: 25           BIOLOGY 3240²         5           BIOLOGY 3240²         2           BIOLOGY 3260²         2           BIOLOGY 4920²         1           Humanities General Education Elective¹         3           Course(s) to count toward a minor⁴         6           Total Credits: 17           Total Credits: 17           Second Semester Credits           Second Semester Credits           Second Semester Credits           10           Total Credits: 17           Total Credits: 17           Total Credits: 17 <th <="" colspan="2" td=""><td></td><td></td></th>	<td></td> <td></td>			
Total Credits: 15				
Total Credits: 15           Years 3           Second Semester Credits           BIOLOGY 4040²         5           BIOLOGY 4920²         1           CHEMSTRY 4510²         1           CHEMSTRY 4503²         3           Course(s) to count toward a minor⁴         3           Total Credits: 15           First Semester Credits           BIOLOGY 3240²         5           BIOLOGY 3290²         2           BIOLOGY 4920²         1           Humanites General Education Elective¹         3           Course(s) to count toward a minor⁴         6           Total Credits: 17           Total Credits: 17           Second Semester Credits           BIOLOGY 3120²         2           BIOLOGY 4920²         1           BIOLOGY 4920²	Course(s) to count toward a minor			
Second Semester Credits	Total Cradita: 15			
Second Semester Credits	Total Credits. 15			
BIOLOGY 4040 <sup>2</sup>		Year 3		
BIOLOGY 4520²         2           BIOLOGY 4920²         1           CHEMSTRY 4610²         3           COURSE(S) to count toward a minor⁴         3           Total Credits: 15           First Semester Credits           BIOLOGY 3240²         5           BIOLOGY 3620²         2           BIOLOGY 4920²         1           Humanities General Education Elective¹         3           Course(s) to count toward a minor⁴         6           Total Credits: 17           Second Semester Credits           BIOLOGY 3120²         2           BIOLOGY 4920²         1           BIOLOGY 39120²         2           BIOLOGY 3920²         1           BIOLOGY 4920²         1           BIOLOGY 4920²         1           BIOLOGY 3990²         2           BIOLOGY 4990²         1           Fine Arts General Education Elective¹         3           BIOLOGY 4990²         1           Fine Arts General Education Elective¹         3           Gourse(s) to count toward a minor⁴         6		cond Semester Credits		
BIOLOGY 4920 <sup>2</sup>   1   CHEMSTRY 4610 <sup>2</sup>   1   CHEMSTRY 4630 <sup>2</sup>   3   3   5   5   5   5   5   5   5   5		5		
CHEMSTRY 4610²         1           CHEMSTRY 4630²         3           Course(s) to count toward a minor⁴         3           Total Credits: 15           First Semester Credits           BIOLOGY 3240²         5           BIOLOGY 3620²         2           BIOLOGY 4920²         1           Humanities General Education Elective¹         3           Course(s) to count toward a minor⁴         6           Total Credits: 17           Second Semester Credits           BIOLOGY 3120²         2           BIOLOGY 4920²         1           BIOLOGY 4990²         1           Fine Arts General Education Elective¹         3           BIOLOGY 4990²         1           Fine Arts General Education Elective¹         3           Historical Perspectives and Global Studies General Education Elective¹         3           Course(s) to count toward a minor⁴         6           Course(s) to count toward a minor⁴         6		2		
CHEMSTRY 4630²         3           Course(s) to count toward a minor⁴         3           Total Credits: 15           Year 4           First Semester Credits           BIOLOGY 3240²         5           BIOLOGY 3260²         2           BIOLOGY 4920²         1           Humanities General Education Elective¹         3           Course(s) to count toward a minor⁴         6           Year 4           Second Semester Credits           BIOLOGY 3120²         2           BIOLOGY 4920²         1           BIOLOGY 4990²         1           Fine Arts General Education Elective¹         3           Historical Perspectives and Global Studies General Education Elective¹         3           Historical Perspectives and Global Studies General Education Elective¹         3           Course(s) to count toward a minor⁴         6		1		
Course(s) to count toward a minor 4         3           Total Credits: 15           First Semester Credits           BIOLOGY 3240 <sup>2</sup> 5           BIOLOGY 3620 <sup>2</sup> 2           BIOLOGY 4920 <sup>2</sup> 1           Humanities General Education Elective 1         3           Course(s) to count toward a minor 4         5           Total Credits: 17           Total Credits: 17           Second Semester Credits           BIOLOGY 3120 <sup>2</sup> 2           BIOLOGY 4920 <sup>2</sup> 1           BIOLOGY 4920 <sup>2</sup>		1		
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Total Credits: 15           Year 4           First Semester Credits           BIOLOGY 3240 <sup>2</sup> 5           BIOLOGY 3620 <sup>2</sup> 2           BIOLOGY 4920 <sup>2</sup> 1           Humanities General Education Elective <sup>1</sup> 3           Course(s) to count toward a minor <sup>4</sup> 6           Year 4           Second Semester Credits           BIOLOGY 3120 <sup>2</sup> 2           BIOLOGY 4920 <sup>2</sup> 1           BIOLOGY 4990 <sup>2</sup> 1           Fine Arts General Education Elective <sup>1</sup> 3           Historical Perspectives and Global Studies General Education Elective <sup>1</sup> 3           Gourse(s) to count toward a minor <sup>4</sup> 6           Course(s) to count toward a minor <sup>4</sup> 6	Course(s) to count toward a minor <sup>4</sup>			
Year 4           First Semester Credits           BIOLOGY 3240 <sup>2</sup> 5           BIOLOGY 3620 <sup>2</sup> 2           BIOLOGY 4920 <sup>2</sup> 1           Humanities General Education Elective <sup>1</sup> 3           Course(s) to count toward a minor <sup>4</sup> 6           Year 4           Second Semester Credits           BIOLOGY 3120 <sup>2</sup> 2           BIOLOGY 4920 <sup>2</sup> 1           BIOLOGY 4920 <sup>2</sup> 1           BIOLOGY 4990 <sup>2</sup> 1           Fine Arts General Education Elective <sup>1</sup> 3           Historical Perspectives and Global Studies General Education Elective <sup>1</sup> 3           Course(s) to count toward a minor <sup>4</sup> 6           Course(s) to count toward a minor <sup>4</sup> 6		15		
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BIOLOGY 3240²         5           BIOLOGY 3620²         2           BIOLOGY 4920²         1           Humanities General Education Elective¹         3           Course(s) to count toward a minor⁴         6           Year 4           Second Semester Credits           BIOLOGY 3120²         2           BIOLOGY 4920²         1           BIOLOGY 4990²         1           Fine Arts General Education Elective¹         3           Historical Perspectives and Global Studies General Education Elective¹         3           Course(s) to count toward a minor⁴         6				
BIOLOGY 3620 <sup>2</sup> BIOLOGY 4920 <sup>2</sup> Humanities General Education Elective <sup>1</sup> 3 Course(s) to count toward a minor <sup>4</sup> 6  Total Credits: 17  Second Semester Credits  BIOLOGY 3120 <sup>2</sup> BIOLOGY 3120 <sup>2</sup> BIOLOGY 4920 <sup>2</sup> BIOLOGY 4990 <sup>2</sup> 1 BIOLOGY 4990 <sup>2</sup> 1 BIOLOGY 4990 <sup>2</sup> 1 Fine Arts General Education Elective <sup>1</sup> 3 Historical Perspectives and Global Studies General Education Elective <sup>1</sup> 3 Course(s) to count toward a minor <sup>4</sup> 6  16				
BIOLOGY 4920 <sup>2</sup> Humanities General Education Elective <sup>1</sup> Course(s) to count toward a minor <sup>4</sup> 6  Total Credits: 17  Year 4  Second Semester Credits  BIOLOGY 3120 <sup>2</sup> BIOLOGY 3120 <sup>2</sup> BIOLOGY 4920 <sup>2</sup> BIOLOGY 4990 <sup>2</sup> Cipher Arts General Education Elective <sup>1</sup> Historical Perspectives and Global Studies General Education Elective <sup>1</sup> Course(s) to count toward a minor <sup>4</sup> 6  10  11  12  13  14  15  16  16  16				
Humanities General Education Elective <sup>1</sup> Course(s) to count toward a minor <sup>4</sup> 6  Total Credits: 17  Second Semester Credits  BIOLOGY 3120 <sup>2</sup> BIOLOGY 4920 <sup>2</sup> BIOLOGY 4990 <sup>2</sup> Fine Arts General Education Elective <sup>1</sup> Fine Arts General Education Elective <sup>1</sup> Historical Perspectives and Global Studies General Education Elective <sup>1</sup> Course(s) to count toward a minor <sup>4</sup> 6  16				
Course(s) to count toward a minor 4 17  Total Credits: 17  Year 4  Second Semester Credits  BIOLOGY 3120 <sup>2</sup> 2  BIOLOGY 4920 <sup>2</sup> 1  BIOLOGY 4990 <sup>2</sup> 1  Fine Arts General Education Elective 1 3  Historical Perspectives and Global Studies General Education Elective 1 3  Course(s) to count toward a minor 4 6				
Total Credits: 17  Year 4  Second Semester Credits  BIOLOGY 3120 <sup>2</sup> BIOLOGY 4920 <sup>2</sup> BIOLOGY 4990 <sup>2</sup> 1  Fine Arts General Education Elective <sup>1</sup> Historical Perspectives and Global Studies General Education Elective <sup>1</sup> Course(s) to count toward a minor <sup>4</sup> 17  17  18  19  10  10  11  17  18  19  19  19  19  19  19  19  19  19				
Total Credits: 17  Year 4  Second Semester Credits  BIOLOGY 3120 <sup>2</sup> BIOLOGY 4920 <sup>2</sup> BIOLOGY 4990 <sup>2</sup> 1 Fine Arts General Education Elective <sup>1</sup> Historical Perspectives and Global Studies General Education Elective <sup>1</sup> Course(s) to count toward a minor <sup>4</sup> 1 Total Credits: 17  Second Semester Credits  1 1  Second Semester Credits  1 2  BIOLOGY 4920 <sup>2</sup> 1 3  Course(s) to count toward a minor <sup>4</sup> 1 3				
Second Semester Credits  BIOLOGY 3120 <sup>2</sup> BIOLOGY 4920 <sup>2</sup> BIOLOGY 4990 <sup>2</sup> Fine Arts General Education Elective <sup>1</sup> Historical Perspectives and Global Studies General Education Elective <sup>1</sup> Course(s) to count toward a minor <sup>4</sup> Year 4  Second Semester Credits  2  BIOLOGY 4920 <sup>2</sup> 1  Fine Arts General Education Elective <sup>1</sup> 3  Course(s) to count toward a minor <sup>4</sup> 16	Total Credits: 17			
BIOLOGY 3120 <sup>2</sup> BIOLOGY 4920 <sup>2</sup> BIOLOGY 4990 <sup>2</sup> 1 BIOLOGY 4990 <sup>2</sup> 1 Fine Arts General Education Elective <sup>1</sup> Historical Perspectives and Global Studies General Education Elective <sup>1</sup> Course(s) to count toward a minor <sup>4</sup> 6 16				
BIOLOGY 3120 <sup>2</sup> BIOLOGY 4920 <sup>2</sup> BIOLOGY 4990 <sup>2</sup> 1 Fine Arts General Education Elective <sup>1</sup> Historical Perspectives and Global Studies General Education Elective <sup>1</sup> Course(s) to count toward a minor <sup>4</sup> 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				
BIOLOGY 4920 <sup>2</sup> BIOLOGY 4990 <sup>2</sup> 1 Fine Arts General Education Elective <sup>1</sup> Historical Perspectives and Global Studies General Education Elective <sup>1</sup> Course(s) to count toward a minor <sup>4</sup> 6 16		cond Semester Credits		
BIOLOGY 4990 <sup>2</sup> Fine Arts General Education Elective <sup>1</sup> Historical Perspectives and Global Studies General Education Elective <sup>1</sup> Course(s) to count toward a minor <sup>4</sup> 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		2		
Fine Arts General Education Elective <sup>1</sup> Historical Perspectives and Global Studies General Education Elective <sup>1</sup> Course(s) to count toward a minor <sup>4</sup> 6  16		1		
Historical Perspectives and Global Studies General Education Elective 1 3  Course(s) to count toward a minor 4 6  16				
Course(s) to count toward a minor <sup>4</sup>				
16				
	Course(s) to count toward a minor <sup>4</sup>			
		16		

## **Total Credits: 16**

- General education requirement
- <sup>2</sup> Biology major requirement
- General education and Biology major requirement
- <sup>4</sup> Elective or minor requirement