

## B.S. in Biology 2017-2018: Option 1 - CWILT

First Year					
Fall	Credits	Interim	Credits	Spring	Credits
BIO120 & BIO121 Introduction to Molecular and Cellular Biology and Introduction to Molecular and Cellular Biology Lab	4	GES160 Inquiry Seminar	3	BIO122 & 122D Introduction to Organismic Biology and Introduction to Organismic Biology Lab	4
or BIO122/122D Introduction to Organismic Biology				or BIO120/121 Introduction to Molecular & Cellular Biology	
or BIO126/127 Integrative Biology and global Health				or BIO126/127 Integrative Biology and Global Health	
CHE113 & 113D General Chemistry I	4			CHE214 & CHE215 General Chemistry II and General Chemistry II Lab	4
or CHE208/208D Accelerated General Chemistry/Lab				GES130 Christianity Western Culture	4
Mathematics (M) course	3			Electives	4
GES140 Introduction to Wellbeing	3				
	<b>14</b>		<b>3</b>		<b>16</b>
Second Year					
Fall	Credits	Interim	Credits	Spring	Credits
BIO126 & BIO127 Integrative Biology and Global Health and Integrative Biology and Global Health Lab	4	Contemporary Western Life and Thought (L) course	3	CHE226 & CHE227 Organic Chemistry II and Organic Chemistry II Lab	4
or BIO120/121 Introduction to Molecular & Cellular Biology				THE201 Christian Theology	3
or BIO122/122D Introduction to Organismic Biology				GES125 Introduction to the Creative Arts	4
CHE224 & CHE225 Organic Chemistry I and Organic Chemistry I Lab	4			Biology environmental area choice	4
BIB101 Introduction to the Bible	3				
Leisure and Lifetime Sports (Q) course	1				
Artistic Experience (A) course	0-3				
	<b>12-15</b>		<b>3</b>		<b>15</b>
Third Year					
Fall	Credits	Interim	Credits	Spring	Credits
BIO399 Introduction to Research	1	World Cultures (U) course	3	Biology molecular area choice	4
Biology organismic area choice	4			Physics II elective	4
Physics I elective	4			Comparative Systems (G) course	3
Science, Technology and Society (K) course	3			Interpreting Biblical Themes (J) course	3
Second Language (S) course <sup>1</sup>	4				
	<b>16</b>		<b>3</b>		<b>14</b>
Fourth Year					
Fall	Credits	Interim	Credits	Spring	Credits
BIO493 or 496 <sup>2</sup> Literature Review in Biology or Biology Research	1	Interim Off		BIO499 Biology Symposium	1
BIO495 Biology Seminar	1			Biology elective	4
Biology elective	4			Biology elective	4
Biology elective	4			Contemporary Christian Issues (P) course	3
Cross-Cultural Experience (Z) course	0-3				
Elective	4				
	<b>14-17</b>		<b>0</b>		<b>12</b>

1. Students must complete through the second semester of a first year language course or equivalent.

2. May be taken in fall of senior year.

This program assumes the student will use BIO122/BIO122D to meet the general Laboratory Science requirement.

Most financial aid packages stipulate 12 credits/semester; Minnesota state grants are reduced when credit falls below 15 credits/semester. (Interim may be split between fall and spring for the state grant purposes only.)

## B.S. in Biology 2017-2018: Option 2 - Humanities

<b>First Year</b>					
<b>Fall</b>	<b>Credits</b>	<b>Interim</b>	<b>Credits</b>	<b>Spring</b>	<b>Credits</b>
<u>BIO120 &amp; BIO121 Introduction to Molecular and Cellular Biology and Introduction to Molecular and Cellular Biology Lab</u>	4	<u>GES147 Humanities II: Renaissance and Reformation</u>	4	<u>BIO122 &amp; 122D Introduction to Organismic Biology and Introduction to Organismic Biology Lab</u>	4
or BIO 122/122D Introduction to Organismic Biology				or BIO120/121 Introduction to Molecular & Cellular Biology	
or BIO126/127 Integrative Biology and Global Health				or BIO126/127 Integrative Biology and Global Health	
<u>CHE113 &amp; 113D General Chemistry I</u>	4			<u>CHE214 &amp; CHE215 General Chemistry II and General Chemistry II Lab</u>	4
or CHE208/208D Accelerated General Chemistry I/Lab				<u>GES244 Humanities III: European Enlightenment and American Culture to 1877</u>	4
GES145 Humanities I: Greco-Roman through Middle Ages	4			BIB101 Introduction to the Bible	3
<u>GES140 Introduction to Wellbeing</u>	3				
	<b>15</b>		<b>4</b>		<b>15</b>
<b>Second Year</b>					
<b>Fall</b>	<b>Credits</b>	<b>Interim</b>	<b>Credits</b>	<b>Spring</b>	<b>Credits</b>
<u>BIO126 &amp; BIO127 Integrative Biology and Global Health and Integrative Biology and Global Health Lab</u>	4	Elective		3 <u>CHE226 &amp; CHE227 Organic Chemistry II and Organic Chemistry II Lab</u>	4
or BIO120/121 Introduction to Molecular & Cellular Biology				<u>Biology environmental area choice</u>	4
or BIO122/122D Introduction to Organismic Biology				<u>Mathematics area choice</u>	3
<u>CHE224 &amp; CHE225 Organic Chemistry I and Organic Chemistry I Lab</u>	4			Second Language (S) course <sup>1</sup>	4
<u>GES246 Humanities IV: Modern and Contemporary Western Culture</u>	4				
Leisure and Lifetime Sports (Q) course	1				
Artistic Experience (A) course	0-3				
	<b>13-16</b>		<b>3</b>		<b>15</b>
<b>Third Year</b>					
<b>Fall</b>	<b>Credits</b>	<b>Interim</b>	<b>Credits</b>	<b>Spring</b>	<b>Credits</b>
<u>BIO399 Introduction to Research</u>	1	Comparative Systems (G) course		3 Biology molecular area choice	4
Biology organismic area choice	4			Physics II elective	4
Physics I elective	4			Interpreting Biblical Themes (J) course	3
World Cultures (U) course	3			Elective	3
	<b>12</b>				
<b>Fourth Year</b>					
<b>Fall</b>	<b>Credits</b>	<b>Interim</b>	<b>Credits</b>	<b>Spring</b>	<b>Credits</b>
<u>BIO493 or 496<sup>2</sup> Literature Review in Biology or Biology Research</u>	1	<b>Interim Off</b>		<u>BIO499 Biology Symposium</u>	1
BIO495 Biology Seminar	1			<u>Biology elective</u>	4
<u>Science, Technology and Society (K) course</u>	3			Biology elective	4
Biology electives	8			Contemporary Christian Issues (P) course	3
Cross-Cultural Experience (Z) course	0-3			Elective	3
	<b>13-16</b>				

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