

## B.A. in Biology 2018-2019: Option 1 - CWILT

<b>First Year</b>					
<b>Fall</b>	<b>Credits</b>	<b>Interim</b>	<b>Credits</b>	<b>Spring</b>	<b>Credits</b>
BIO 124 & BIO 124D Integrative Biology: Genes, Cells, Change and Integrative Biology: Genes, Cells, Change Lab	4	BIB 101 Introduction to the Bible	3	BIO 128 & BIO 128D Integrative Biology: Metabolism, Energy, Biodiversity and Integrative Biology: Metabolism, Energy, Biodiversity Lab	4
GES 140 Introduction to Wellbeing	3			GES 125 Introduction to the Creative Arts	4
GES 130 Christianity and Western Culture	4			GES 160 Inquiry Seminar	3
Second Language (S) course*1	4			Electives	3
	<b>15</b>		<b>3</b>		<b>14</b>
<b>Second Year</b>					
<b>Fall</b>	<b>Credits</b>	<b>Interim</b>	<b>Credits</b>	<b>Spring</b>	<b>Credits</b>
BIO 218 Biology in a Changing World	3	Mathematics (M) course	3	Chemistry course *5	4
Contemporary Western Life & Thought (L) course	3			THE 201 Christian Theology	3
Chemistry course*3	4			Biology environmental area choice	4
World Cultures (U) course	3			Artistic Experience (A) course	3
	<b>13</b>		<b>3</b>		<b>14</b>
<b>Third Year</b>					
<b>Fall</b>	<b>Credits</b>	<b>Interim</b>	<b>Credits</b>	<b>Spring</b>	<b>Credits</b>
BIO 399 Introduction to Research	1	Science, Technology and Society (K) course	3	Biology molecular area choice	4
Biology organismic area choice	4			Biology elective	4
Biology elective	4			Comparative Systems (G) course	3
Chemistry course*4	4			Leisure and Lifetime Sports (Q) course	1
Elective	3			Chemistry course *2	4
	<b>16</b>		<b>3</b>		<b>16</b>
<b>Fourth Year</b>					
<b>Fall</b>	<b>Credits</b>	<b>Interim</b>	<b>Credits</b>	<b>Spring</b>	<b>Credits</b>
BIO 481 or 496 Internship in Biology or Biology Research	1-3	Interim Off		BIO 481 or 497 Internship in Biology or Advanced Biology Research	1-3
BIO 495 Biology Seminar	2			Biology elective	4
Biology elective	4			Contemporary Christian Issues (P) course	3
Interpreting Biblical themes (J) course	3			Electives	4
CHE 304 & CHE 305 Essentials of Biochemistry and Essentials of Biochemistry Lab	4			Cross-cultural experience (Z) course	0-3
	<b>14-16</b>		<b>0</b>		<b>12-17</b>
<b>Total Credits 123-130</b>					

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

2. CHE 226 / CHE 227 recommended

3. CHE 113/CHE 113D recommended (excluding CHE 107/CHE 107Dor CHE 200)

4. CHE 224/CHE 225 recommended

5. CHE 214 / CHE 215 recommended

This program assumes the student will use BIO 124 / BIO 124D to meet the general education 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.A. in Biology 2018-2019: 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>
BIO 124 & BIO 124D Integrative Biology: Genes, Cells, Change and Integrative Biology: Genes, Cells, Change Lab	4	GES 147 Humanities II: Renaissance and Reformation	4	BIO 128 & BIO 128D Integrative Biology: Metabolism, Energy, Biodiversity and Integrative Biology: Metabolism, Energy, Biodiversity Lab	4
GES 145 Humanities I: Greco-Roman through Middle Ages	4			GES 244 Humanities III: European Enlightenment and American Culture to 1877	4
GES 140 Introduction to Wellbeing	3			BIB 101 Introduction to the Bible	3
Second Language (S) course*1	4			Elective	3
	<b>15</b>		<b>4</b>		<b>14</b>
<b>Second Year</b>					
<b>Fall</b>	<b>Credits</b>	<b>Interim</b>	<b>Credits</b>	<b>Spring</b>	<b>Credits</b>
BIO 218 Biology in a Changing World	3	Mathematics (M) course	3	Biology environmental area choice	4
GES 246 Humanities IV: Modern and Contemporary Western Culture	4			Artistic Experience (A) course	3
Chemistry course *3	4			Chemistry course*5	4
World Culture (U) course	3			Elective	3
	<b>14</b>		<b>3</b>		<b>14</b>
<b>Third Year</b>					
<b>Fall</b>	<b>Credits</b>	<b>Interim</b>	<b>Credits</b>	<b>Spring</b>	<b>Credits</b>
BIO 399 Introduction to Research	1	Science, Technology and Society (K) course	3	Biology molecular area choice	4
Biology organismic area choice	4			Biology elective	4
Biology elective	4			Comparative Systems (G) course	3
Chemistry elective *4	4			Leisure and Lifetime Sports (Q) course	1
Elective	3			Chemistry course*2	4
	<b>16</b>		<b>3</b>		<b>16</b>
<b>Fourth Year</b>					
<b>Fall</b>	<b>Credits</b>	<b>Interim</b>	<b>Credits</b>	<b>Spring</b>	<b>Credits</b>
BIO 481 or 496 Internship in Biology or Biology Research	1-3	Interim Off		BIO 497 Advanced Biology Research	1
BIO 495 Biology Seminar	1-2			Biology elective	4
Biology elective	4			Contemporary Christian Issues (P) course	3
Interpreting Biblical Themes (J) course	3			Electives	5
CHE 304 & CHE 305 Essentials of Biochemistry and Essentials of Biochemistry Lab	4			Cross-Cultural Experience (Z) course	0-3
	<b>13-16</b>		<b>0</b>		<b>13-16</b>

- Total Credits 125-131**
1. Students must complete through the second semester of a first year language course or equivalent.
  2. CHE 226/CHE 227 recommended
  3. CHE 113/CHE 113D recommended (excluding CHE 107/CHE 107D or CHE 200)
  4. CHE 224/CHE 225 recommended
  5. CHE 214/CHE 215 recommended

This program assumes the student will use BIO 124 / BIO 124D to meet the general education 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.)