

## B.A. in Biology 2019-2020: Option 1 - CWILT

FIRST YEAR					
Fall	Credits	Interim	Credits	Spring	Credits
<a href="#">BIO 124</a> & <a href="#">BIO 124D</a> Integrative Biology: Genes, Cells, Change and Integrative Biology: Genes, Cells, Change Lab	4	<a href="#">BIB 101</a> Introduction to the Bible	3	<a href="#">BIO 128</a> & <a href="#">BIO 128D</a> Integrative Biology: Metabolism, Energy, Biodiversity and Integrative Biology: Metabolism, Energy, Biodiversity Lab	4
<a href="#">GES 130</a> Christianity Western Culture	4			<a href="#">GES 125</a> Introduction to the Creative Arts	4
<a href="#">GES 140</a> Introduction to Wellbeing	3			<a href="#">GES 160</a> Inquiry Seminar	3
Chemistry course <sup>3</sup>	4			Chemistry course <sup>5</sup>	4
	<b>15</b>		<b>3</b>		<b>15</b>
SECOND YEAR					
Fall	Credits	Interim	Credits	Spring	Credits
<a href="#">BIO 218</a> <i>Biology in a Changing World</i>	3	Mathematics (M) course	3	<a href="#">THE 201</a> <i>Christian Theology</i>	3
Contemporary Western Life & Thought (L) course	3			Biology environmental area choice	4
World Cultures (U) course	3			Artistic Experience (A) course	3
Second Language (S) course <sup>1</sup>	4			Elective	3
	<b>13</b>		<b>3</b>		<b>13</b>
THIRD YEAR					
Fall	Credits	Interim	Credits	Spring	Credits
<a href="#">BIO 399</a> 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 <sup>4</sup>	4			Leisure and Lifetime Sports (Q) course	1
Elective	3			Chemistry course <sup>2</sup>	4
	<b>16</b>		<b>3</b>		<b>16</b>
FOURTH YEAR					
Fall	Credits	Interim	Credits	Spring	Credits
<a href="#">BIO 481</a> or <a href="#">496</a> Internship in Biology or Biology Research	1-3	Interim Off		<a href="#">BIO 481</a> or <a href="#">497</a> Internship in Biology or Advanced Biology Research	1-3
<a href="#">BIO 495</a> <i>Biology Seminar</i>	2			Biology elective	4
Biology elective	4			Contemporary Christian Issues (P) course	3
Interpreting Biblical themes (J) course	3			Electives	4
<a href="#">CHE 304</a> & <a href="#">CHE 305</a> 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
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 2019-2020: Option 2 - Humanities

FIRST YEAR					
Fall	Credits	Interim	Credits	Spring	Credits
<a href="#">BIO 124</a> & <a href="#">BIO 124D</a> Integrative Biology: Genes, Cells, Change and Integrative Biology: Genes, Cells, Change Lab	4	<a href="#">GES 147</a> Humanities II: Renaissance and Reformation	4	<a href="#">BIO 128</a> & <a href="#">BIO 128D</a> Integrative Biology: Metabolism, Energy, Biodiversity and Integrative Biology: Metabolism, Energy, Biodiversity Lab	4
<a href="#">GES 145</a> Humanities I: Greco-Roman through Middle Ages	4			<a href="#">GES 244</a> Humanities III: European Enlightenment and American Culture to 1877	4
<a href="#">GES 140</a> Introduction to Wellbeing	3			<a href="#">BIB 101</a> Introduction to the Bible	3
Chemistry course <sup>3</sup>	4			Chemistry course <sup>5</sup>	4
	<b>15</b>		<b>4</b>		<b>15</b>
SECOND YEAR					
Fall	Credits	Interim	Credits	Spring	Credits
<a href="#">BIO 218</a> Biology in a Changing World	3	Mathematics (M) course	3	Biology environmental area choice	4
<a href="#">GES 246</a> Humanities IV: Modern and Contemporary Western Culture	4			Artistic Experience (A) course	3
World Cultures (U) course	3			Electives	6
Second Language (S) course <sup>1</sup>	4				
	<b>14</b>		<b>3</b>		<b>13</b>
THIRD YEAR					
Fall	Credits	Interim	Credits	Spring	Credits
<a href="#">BIO 399</a> 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 <sup>4</sup>	4			Leisure and Lifetime Sports (Q) course	1
Elective	3			Chemistry course <sup>2</sup>	4
	<b>16</b>		<b>3</b>		<b>16</b>
FOURTH YEAR					
Fall	Credits	Interim	Credits	Spring	Credits
<a href="#">BIO 481</a> or <a href="#">496</a> Internship in Biology or Biology Research	1-3	Interim Off		<a href="#">BIO 497</a> Advanced Biology Research	1
<a href="#">BIO 495</a> Biology Seminar	1-2			Biology elective	4
Biology elective	4			Contemporary Christian Issues (P) course	3
Interpreting biblical Themes (J) course	3			Electives	5
<a href="#">CHE 304</a> & <a href="#">CHE 305</a> 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>
<b>Total Credits 125-131</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

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.)