

## B.S. in Biology 2020-2021: Option 1 - CWILT

FIRST YEAR					
Fall	Credits	Interim	Credits	Spring	Credits
<a href="#">BIO 124</a>	4	<a href="#">GES 160 Inquiry Seminar</a>	3	<a href="#">BIO 128</a>	4
<a href="#">&amp; BIO 124D</a> Integrative Biology: Genes, Cells, Change and Integrative Biology: Genes, Cells, Change Lab				<a href="#">&amp; BIO 128D</a> Integrative Biology: Metabolism, Energy, Biodiversity and Integrative Biology: Metabolism, Energy, Biodiversity Lab	
<a href="#">CHE 113</a>	4			<a href="#">CHE 214</a>	4
<a href="#">&amp; CHE 113D</a> General Chemistry I and General Chemistry I Lab or CHE208/208D Accelerated General Chemistry/Lab				<a href="#">&amp; CHE 215</a> General Chemistry II and General Chemistry II Lab	
<a href="#">GES 140 Introduction to Wellbeing</a>	3			<a href="#">GES 130 Christianity Western Culture</a>	4
Mathematics (M) course	3			Electives	4
	14		3		16
SECOND YEAR					
Fall	Credits	Interim	Credits	Spring	Credits
<a href="#">BIB 101 Introduction to the Bible</a>	3	Contemporary Western Life and Thought (L) course	3	<a href="#">CHE 226</a>	4
				<a href="#">&amp; CHE 227</a> Organic Chemistry II and Organic Chemistry II Lab	
<a href="#">BIO 218 Biology in a Changing World</a>	3			<a href="#">GES 125 Introduction to the Creative Arts</a>	4
<a href="#">CHE 224</a>	4			<a href="#">THE 201 Christian Theology</a>	3
<a href="#">&amp; CHE 225</a> Organic Chemistry I and Organic Chemistry I Lab					
Artistic Experience (A) course	0-3			Biology environmental area choice	4
Leisure and Lifetime Sports (Q) course	1				
Elective	3				
	14-17		3		15
THIRD YEAR					
Fall	Credits	Interim	Credits	Spring	Credits
<a href="#">BIO 399 Introduction to Research</a>	1	Science, Technology, and Society (K) 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
Second Language (S) course *1	4			Interpreting Biblical Themes (J) course	3
World Cultures (U) course	3				
	16		3		14
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 Advanced Biology Research</a>	1
<a href="#">BIO 495 Biology Seminar</a>	2			<a href="#">BIO 499 Biology Symposium</a>	0-1
Biology electives	8			Biology elective	4
Contemporary Christian Issues (P) course	3			Biology elective	4
				Cross-Cultural Experience (Z) course	0-3
				Elective	3
	14-16		0		*12-15
<b>Total Credits 124-133</b>					

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

This program assumes the student will use [BIO 124/BIO 124D](#) to meet the General Education Laboratory Science (D) course 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 2020-2021: Option 2 - Humanities

FIRST YEAR					
Fall	Credits	Interim	Credits	Spring	Credits
<a href="#">CHE 113</a> & <a href="#">CHE 113D</a> General Chemistry I and General Chemistry I Lab	4	<a href="#">GES 147 Humanities II: Renaissance and Reformation</a>	4	<a href="#">BIB 101 Introduction to the Bible</a>	3
<a href="#">BIO 124</a> & <a href="#">BIO 124D</a> Integrative Biology: Genes, Cells, Change and Integrative Biology: Genes, Cells, Change Lab or CHE208/208D Accelerated General Chemistry I/Lab	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="#">CHE 214</a> & <a href="#">CHE 215</a> General Chemistry II and General Chemistry II Lab	4
<a href="#">GES 140 Introduction to Wellbeing</a>	3			<a href="#">GES 244 Humanities III: European Enlightenment and American</a>	4
<a href="#">GES 145 Humanities I: Greco-Roman through Middle Ages</a>	4				
	15		4		15
SECOND YEAR					
Fall	Credits	Interim	Credits	Spring	Credits
<a href="#">BIO 218 Biology in a Changing World</a>	3	Elective	3	<a href="#">CHE 226</a> & <a href="#">CHE 227</a> Organic Chemistry II and Organic Chemistry II Lab	4
<a href="#">CHE 224</a> & <a href="#">CHE 225</a> Organic Chemistry I and Organic Chemistry I Lab	4			Biology environmental area choice	4
<a href="#">GES 246 Humanities IV: Modern and Contemporary Western Culture</a>	4			Mathematics area choice	3
Artistic Experience (A) course	0-3			Second Language (S) course *1	4
Leisure and Lifetime Sports (Q) course	1				
	*12-15		3		15
THIRD YEAR					
Fall	Credits	Interim	Credits	Spring	Credits
<a href="#">BIO 399 Introduction to Research</a>	1	Science, Technology, and Society (K) 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
Elective	3				
	15		3		14
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 Advanced Biology Research</a>	1
<a href="#">BIO 495 Biology Seminar</a>	2			<a href="#">BIO 499 Biology Symposium</a>	0-1
Comparative Systems (G) course	3			Biology electives	8
Cross-Cultural Experience (Z) course	0-3			Contemporary Christian Issues (P) course	3
Biology electives	7			Elective	3
	13-18		0		15
<b>Total Credits 124-133</b>					

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

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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.)