

## B.A. in Biochemistry 2023-2024: Option 1 - CWILT

FIRST YEAR					
Fall	Credits	January Session	Credits	Spring	Credits
BIO 124 & BIO 124D Integrative Biology: Genes, Cells, Change and Integrative Biology: Genes, Cells, Change Lab	4	GES 160 Inquiry Seminar	3	BIO 128 & BIO 128D Integrative Biology: Metabolism, Energy, Biodiversity and Integrative Biology: Metabolism, Energy, Biodiversity Lab	4
CHE 113 & CHE 113D General Chemistry I and General Chemistry I Lab *1	4			CHE 214 & CHE 215 General Chemistry II and General Chemistry II Lab	4
GES 140 Introduction to Wellbeing	2			Mathematics (M) course	3-4
BIB 101 Introduction to the Bible	3			GES 130 Christianity Western Culture	4
	13		3		15-16
SECOND YEAR					
Fall	Credits	January Session	Credits	Spring	Credits
CHE 224 & CHE 225 Organic Chemistry I and Organic Chemistry I Lab	4	THE 201 Christian Theology	3	CHE 226 & CHE 227 Organic Chemistry II and Organic Chemistry II Lab	4
PHY 202 Introductory Physics I PHY202D Lab (or PHY292 & PHY292D General Physics I and Lab)	4			PHY 206 Introductory Physics II PHY 207 Lab (or PHY296 & PHY297 General Physics II and Lab)	4
GES 125 Introduction to the Creative Arts	4			Second Language (S) course *2	4
CHE200 Laboratory Safety and Chemical Hygiene	1			Elective	3
Elective	3				
	16		3		15
THIRD YEAR					
Fall	Credits	January Session	Credits	Spring	Credits
CHE 388 & CHE 389 Biochemistry I and Biochemistry I Lab	4	Science, Technology and Society (K) course	3	CHE 396 & CHE 397 Biochemistry II and Biochemistry II Lab	4
Subject Elective	4			Subject Elective	4
CHE 395 Chemistry Seminar: Intro to Research & Professional Development	1			CHE490 Chemistry Seminar Research	2
Electives	6			Contemporary Western Life and Thought (L) course	3
	15		3		13
FOURTH YEAR					
Fall	Credits	January Session	Credits	Spring	Credits
Elective	3	January Off	0	Subject elective	4
Interpreting Biblical Themes (J) course	3			CHE494 Chemistry Seminar: Research Presentation	1
Comparative Systems (G) course	3			Contemporary Christian Issues (P) course	3
World Cultures (U) course	3			Artistic Experience (A) course	0-3
Cross Cultural Experience (Z) course	0-3			Electives	6
	12-15		0		14-17
Total Credits 122-129					
*1. This program assumes a student will use CHE 113D to meet the General Education Laboratory Science (D) course requirement.					
*2. Students must complete through the second semester of a first year language course or equivalent.					
Students interested in career specific BA in Biochemistry Academic Plans should speak with their Advisor.					
Most financial aid packages stipulate 12 credits/term; Minnesota state grants are reduced when credit load falls below 15 credits/semester. January Session credits are counted as part of Spring Term.					

## B.A. in Biochemistry 2023-2024: Option 2 - Humanities

FIRST YEAR					
Fall	Credits	January Session	Credits	Spring	Credits
<a href="#">CHE 113</a> & <a href="#">CHE 113D</a> General Chemistry I General Chemistry I Lab *1	4	<a href="#">GES 147 Humanities II: Renaissance and Reformation</a>	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="#">BIO 124</a> & <a href="#">BIO 124D</a> Integrative Biology: Genes, Cells, Change and Integrative Biology: Genes, Cells, Change Lab	4			<a href="#">CHE 214</a> & <a href="#">CHE 215</a> (or <a href="#">CHE208/208D Accelerated General Chemistry(Lab)</a> General Chemistry I General Chemistry I Lab *1,3	4
<a href="#">GES 145 Humanities I: Greco-Roman through Middle Ages</a>	4			<a href="#">GES 244 Humanities III: European Enlightenment and American Culture to 1877</a>	4
<a href="#">GES 140 Introduction to Wellbeing</a>	2			<b>Mathematics (M) course</b>	3-4
	14		4		15-16
SECOND YEAR					
Fall	Credits	January Session	Credits	Spring	Credits
<a href="#">CHE 200 Laboratory Safety and Chemical Hygiene</a>	1	<a href="#">BIB 101 Introduction to the Bible</a>	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			<a href="#">PHY 206 Introductory Physics II</a> <a href="#">PHY 207 Lab</a> (or <a href="#">PHY296 &amp; PHY297 General Physics II and Lab</a> )	4
<a href="#">GES 246 Humanities IV: Modern and Contemporary Western Culture</a>	4			Second Language (S) course *2	4
<a href="#">PHY 202 Introductory Physics I</a> <a href="#">PHY202D Lab</a> (or <a href="#">PHY292 &amp; PHY292D General Physics I and Lab</a> )	4			Elective	3
Elective	3				
	13		3		15
THIRD YEAR					
Fall	Credits	January Session	Credits	Spring	Credits
<a href="#">CHE 388</a> & <a href="#">CHE 389</a> Biochemistry I and Biochemistry I Lab	4	Science, Technology and Society (K) course	3	<a href="#">CHE 396</a> & <a href="#">CHE 397</a> Biochemistry II and Biochemistry II Lab	4
Subject Elective	4			<b>Subject Elective</b>	4
<a href="#">CHE 395 Chemistry Seminar: Intro to Research &amp; Professional</a>	1			<a href="#">CHE490 Chemistry Seminar Research</a>	2
Elective	4			World Cultures (U) course	3
	13		3		13
FOURTH YEAR					
Fall	Credits	January Session	Credits	Spring	Credits
Elective	3	January Off	0	Subject Elective	4
Elective	3			<a href="#">CHE494 Chemistry Seminar: Research Presentation</a>	1
Comparative Systems (G) course	3			Artistic Experience (A) course	0-3
Interpreting Biblical Themes (J) course	3			Contemporary Christian Issues (P) course	3
Cross Cultural Experience (Z) course	0-3			Elective	3
				Elective	3
	12-15		0		14-17
<b>Total Credits 122-127</b>					
*1. This program assumes a student will use <a href="#">CHE 113D</a> to meet the General Education Laboratory Science (D) course requirement.					
*2. Students must complete through the second semester of a first year language course or equivalent.					
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## B.A. in Biochemistry 2023-2024: Sample plan entering with AA Degree

FIRST YEAR					
Fall	Credits	January Session	Credits	Spring	Credits
<a href="#">BIO 124</a> & <a href="#">BIO 124D</a>	4	<a href="#">GES 130 Christianity Western Culture</a>	4	<a href="#">BIO 128</a> & <a href="#">BIO 128D</a>	4
Integrative Biology: Genes, Cells, Change and Integrative Biology: Genes, Cells, Change Lab				Integrative Biology: Metabolism, Energy, Biodiversity and Integrative Biology: Metabolism, Energy, Biodiversity Lab	
<a href="#">CHE 113</a> & <a href="#">CHE 113D</a>	4			<a href="#">CHE 214</a> & <a href="#">CHE 215</a>	4
General Chemistry I and General Chemistry I Lab *1				General Chemistry II and General Chemistry II Lab	
<a href="#">CHE200 Laboratory Safety and Chemical Hygiene</a>	1			<a href="#">PHY 206 Introductory Physics II</a>	4
<a href="#">PHY 202 Introductory Physics I</a>	4			<a href="#">PHY 207 Lab</a>	
<a href="#">PHY202D Lab</a> (or <a href="#">PHY292</a> & <a href="#">PHY292D General Physics I and Lab</a> )				(or <a href="#">PHY296</a> & <a href="#">PHY297 General Physics II and Lab</a> )	
	13		4		12
SECOND YEAR					
Fall	Credits	January Session	Credits	Spring	Credits
<a href="#">CHE 224</a> & <a href="#">CHE 225</a>	4	<a href="#">BIB 101 Introduction to the Bible</a>	3	<a href="#">CHE 226</a> & <a href="#">CHE 227</a>	4
Organic Chemistry I and Organic Chemistry I Lab				Organic Chemistry II and Organic Chemistry II Lab	
<a href="#">CHE 395 Chemistry Seminar: Intro to Research &amp; Professional Development</a>	1			<a href="#">CHE490 Chemistry Seminar Research</a>	2
Subject Elective	4			Contemporary Christian Issues (P) course	3
Subject elective	4			Subject Elective	4
	13		3		13
THIRD YEAR					
Fall	Credits	January Session	Credits	Spring	Credits
<a href="#">CHE 388</a> & <a href="#">CHE 389</a>	4			<a href="#">CHE 396</a> & <a href="#">CHE 397</a>	4
Biochemistry I and Biochemistry I Lab				Biochemistry II and Biochemistry II Lab	
<a href="#">CHE494 Chemistry Seminar: Research Presentation</a>	1				
	5				4
<b>Total Credits 67 at Bethel + 60 in AA degree = 127</b>					
*1. This program assumes a student will use <a href="#">CHE 113D</a> to meet the General Education Laboratory Science (D) course requirement.					
Students interested in career specific BA in Biochemistry Academic Plans should speak with their Advisor.					
Most financial aid packages stipulate 12 credits/term; Minnesota state grants are reduced when credit load falls below 15 credits/semester. January Session credits are counted as part of Spring Term.					