B.S. in Environmental Science 2019-2020: Option 1 - CWILT

FIRST YEAR					
Fall	Credits	s Interim Credits			Credits
ENS 104	4	GES 125Introduction to the Creative Arts	4	Choose one:	
<u>& ENS 104D</u>					
Environment and Humanity and Environment and					
Humanity Lab				212.122	
BIB 101Introduction to the Bible	3			BIO 122	
				<u>& BIO 122D</u>	
				Introduction to Organismic Biology and Introduction to	
GES 140Introduction to Wellbeing				Organismic Biology Lab BIO 128	
GES 140Introduction to Wellbeing	3			8 BIO 128D	
				Integrative Biology: Metabolism, Energy, Biodiversity and Integrative Biology: Metabolism, Energy, Biodiversity Lab	
				integrative biology. Metabolishi, Energy, biodiversity Lab	
GES 160 Inquiry Seminar	3			GES 130Christianity Western Culture	
				Major Area Elective	
				Second Language (S) course ¹	
	13		4		1:
SECOND YEAR					
Fall	Credits	Interim	Credits	Spring	Credit
GEL 168	4	Elective	3	CHE 214	
& GEL 168D				& CHE 215	
Geology and Geology Lab				³ General Chemistry II and General Chemistry II Lab	
CHE 113	4			THE 201 Christian Theology	
& CHE 113D					
³ General Chemistry I and General Chemistry I Lab					
Electives	7			ENS 205LSustainable Living	;
2.004.00				World Cultures (U) course	
				Leisure and Lifetime Sports (Q) course	
				Elective	
	15		3		1
THIRD YEAR					
Fall	Credits	Interim	Credits	Spring	Credit
Mathematics (M) course ²	3	ENS K Category course	3	ENS K Category course	
BIO 330	4			ENS/BIO/CHE choice ³	
& BIO 331				ENO/BIO/OFFE CHOICE	
(fall, odd years) Ecology, Ecology Lab					
ENS 201Introduction to Geographic Information Systems	3			Interpreting Biblical Themes (J) course	:
ENS 399Introduction to Research	1			Elective	
Comparative Systems (G) course	3			Cross-Cultural Experience (Z) course	0-
30pa.aa 3/30 (3/30	14		3		13-1
FOURTH YEAR		·			
Fall	Credits	Interim	Credits	Spring	Credits
ENS 481 Internship in Environmental Studies	3	Interim Off		ENS K Category course	;
ENS 496 Research in Environmental Studies	1			ENS 498 Seminar in Environmental Studies	
ENS K Category course	3			ENS 499Symposium	(
ENS/BIO/CHE choice ³	4			ENS/BIO/CHE choice ³	4
Elective	3			Contemporary Christian Issues (P) course	
				Elective	
				Artistic Experience (A) course	0-
	14		0		14-1
Total Credits 125-131		1			

- 1. Students must complete through the second semester of a first year language course or equivalent (Check the catalog for details of this option.)
- 2. Strongly recommended that students take PSY 230M Introduction to Statistical Methods and Experimental Design to meet the general education requirement in Mathematics.
- 3. Choose <u>CHE 113/CHE 113D</u> & <u>CHE 214/CHE 215</u> (OR) <u>CHE 208/CHE 208D</u> & BIO/CHE elective.

This program assumes a student will use ENS 104D and ENS 205L, and a K category elective to meet the general education requirements for Laboratory Science, Contemporary Western Life and Thought, and Science, Technology, and Society.

B.S. in Environmental Science 2019-2020: Option 2 - Humanities

Fall	Credits Interim Credit		Spring	Credits	
ENS 104				Spring Choose One:	
& ENS 104D	- "	GES 147 Humanities II. Kenaissance and Kerormation	4	Choose One.	
<u>& ENS 104D</u> Environment and Humanity and Environment and Humanity Lab					
Environment and Humanity and Environment and Humanity Lab					
GES 145Humanities I: Greco-Roman through Middle Ages	4			BIO 122	
				& BIO 122D	
				Introduction to Organismic Biology and Introduction to	
				Organismic Biology Lab	
BIB 101Introduction to the Bible	3			BIO 128	
				& BIO 128D	
				Integrative Biology: Metabolism, Energy, Biodiversity and	
				Integrative Biology: Metabolism, Energy, Biodiversity Lab	
GES 140Introduction to Wellbeing	3			GES 244Humanities III: European Enlightenment and American	
SEC TIME SECURITY				Culture to 1877	
				Major Area Elective	
				Second Language (S) course ¹	
	14		4	g g , , ,	1
SECOND YEAR	14		4		1
Fall	Cradita	Interim	Cradita	Coving	Credit
		Elective	Credits	. •	Credit
GEL 168	4	Elective	3	CHE 214	
& GEL 168D				& CHE 215	
Geology and Geology Lab				³ General Chemistry II and General Chemistry II Lab	
<u>CHE 113</u>	4			ENS 205LSustainable Living	
& CHE 113D					
³ General Chemistry I and General Chemistry I Lab					
GES 246Humanities IV: Modern and Contemporary Western Culture	4			World Cultures (U) course	
Elective	4			Mathematics (M) course ²	
				Elective	
	16		3		1
THIRD YEAR		-			
Fall	Credits	Interim	Credits	Spring	Credit
BIO 330	4	ENS K Category course		ENS K Category course	
	4	ENS K Category course		ENS K Category course	
& BIO 331	4	ENS K Category course		ENS K Category course	
<u>& BIO 331</u> (fall, odd years) Ecology, Ecology Lab				• ,	
& BIO 331 (fall, odd years) Ecology, Ecology Lab ENS 201Introduction to Geographic Information Systems	3			ENS/BIO/CHE choice ³	
& BIO 331 (fall, odd years) Ecology, Ecology Lab ENS 201Introduction to Geographic Information Systems ENS 399Introduction to Research	3			ENS/BIO/CHE choice ³ Interpreting Biblical Themes (J) course	
& BIO 331 (fall, odd years) Ecology, Ecology Lab ENS 201Introduction to Geographic Information Systems ENS 399Introduction to Research Comparative Systems (G) course	3 1 3			ENS/BIO/CHE choice ³ Interpreting Biblical Themes (J) course Elective	
BIO 330 & BIO 331 (fall, odd years) Ecology, Ecology Lab ENS 201Introduction to Geographic Information Systems ENS 399Introduction to Research Comparative Systems (G) course Leisure and Lifetime Sports (Q) course	3 1 3 1		3	ENS/BIO/CHE choice³ Interpreting Biblical Themes (J) course Elective Cross-Cultural Experience (Z) course	0-
& BIO 331 (fall, odd years) Ecology, Ecology Lab ENS 201Introduction to Geographic Information Systems ENS 399Introduction to Research Comparative Systems (G) course Leisure and Lifetime Sports (Q) course	3 1 3			ENS/BIO/CHE choice³ Interpreting Biblical Themes (J) course Elective Cross-Cultural Experience (Z) course	
& BIO 331 (fall, odd years) Ecology, Ecology Lab ENS 201Introduction to Geographic Information Systems ENS 399Introduction to Research Comparative Systems (G) course Leisure and Lifetime Sports (Q) course FOURTH YEAR	3 1 3 1 1		3	ENS/BIO/CHE choice³ Interpreting Biblical Themes (J) course Elective Cross-Cultural Experience (Z) course	0- 14-1
& BIO 331 (fall, odd years) Ecology, Ecology Lab ENS 201Introduction to Geographic Information Systems ENS 399Introduction to Research Comparative Systems (G) course Leisure and Lifetime Sports (Q) course FOURTH YEAR Fall	3 1 3 1 12 Credits	Interim	3	ENS/BIO/CHE choice³ Interpreting Biblical Themes (J) course Elective Cross-Cultural Experience (Z) course Spring	0- 14-1 Credit
& BIO 331 (fall, odd years) Ecology, Ecology Lab ENS 201Introduction to Geographic Information Systems ENS 399Introduction to Research Comparative Systems (G) course Leisure and Lifetime Sports (Q) course FOURTH YEAR Fall ENS 481 Internship in Environmental Studies	3 1 3 1 1 12 Credits		3	ENS/BIO/CHE choice ³ Interpreting Biblical Themes (J) course Elective Cross-Cultural Experience (Z) course Spring ENS K Category course	0- 14-1 Credit
& BIO 331 (fall, odd years) Ecology, Ecology Lab ENS 201Introduction to Geographic Information Systems ENS 399Introduction to Research Comparative Systems (G) course Leisure and Lifetime Sports (Q) course FOURTH YEAR Fall ENS 481 Internship in Environmental Studies ENS 496 Research in Environmental Studies	3 1 3 1 12 Credits 3 1	Interim Interim Off	3 Credits	ENS/BIO/CHE choice³ Interpreting Biblical Themes (J) course Elective Cross-Cultural Experience (Z) course Spring ENS K Category course ENS 498 Seminar in Environmental Studies	0- 14-1 Credit
& BIO 331 (fall, odd years) Ecology, Ecology Lab ENS 201Introduction to Geographic Information Systems ENS 399Introduction to Research Comparative Systems (G) course Leisure and Lifetime Sports (Q) course FOURTH YEAR Fall ENS 481 Internship in Environmental Studies ENS 496 Research in Environmental Studies ENS K Category course	3 1 3 1 12 Credits 3 1 3	Interim Interim Off	3 Credits	ENS/BIO/CHE choice³ Interpreting Biblical Themes (J) course Elective Cross-Cultural Experience (Z) course Spring ENS K Category course ENS 498 Seminar in Environmental Studies ENS 499Symposium	0- 14-1 Credit
& BIO 331 (fall, odd years) Ecology, Ecology Lab ENS 201Introduction to Geographic Information Systems ENS 399Introduction to Research Comparative Systems (G) course Leisure and Lifetime Sports (Q) course FOURTH YEAR Fall ENS 481 Internship in Environmental Studies ENS 496 Research in Environmental Studies ENS K Category course ENS/BIO/CHE choice³	3 1 3 1 12 Credits 3 1 3 4	Interim Interim Off	3 Credits	ENS/BIO/CHE choice³ Interpreting Biblical Themes (J) course Elective Cross-Cultural Experience (Z) course Spring ENS K Category course ENS 498 Seminar in Environmental Studies ENS 499Symposium ENS/BIO/CHE choice³	0- 14-1 Credit
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& BIO 331 (fall, odd years) Ecology, Ecology Lab ENS 201Introduction to Geographic Information Systems ENS 399Introduction to Research Comparative Systems (G) course Leisure and Lifetime Sports (Q) course FOURTH YEAR Fall ENS 481 Internship in Environmental Studies ENS 496 Research in Environmental Studies ENS K Category course ENS/BIO/CHE choice³	3 1 3 1 12 Credits 3 1 3 4	Interim Interim Off	3 Credits	ENS/BIO/CHE choice³ Interpreting Biblical Themes (J) course Elective Cross-Cultural Experience (Z) course Spring ENS K Category course ENS 498 Seminar in Environmental Studies ENS 499Symposium ENS/BIO/CHE choice³ Contemporary Christian Issues (P) course Elective	0- 14-1 Credit
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Most financial aid packages stipulate 12 credits/semester; Minnesota state grants are reduced when credit load falls below 15 credits/semester. (Interim credits may be split between fall and spring for state grant purposes only.)