

DEGREE: **Bachelor of Science****Biology and Chemistry Department**

Hours in General Education

55

MAJOR: **Biology**

Hours in Major

37

CONCENTRATION: **Environmental Science (ENVC)**

Hours in Concentration

10

Hours in Cognate

19

Hours in Electives

7

Name _____

Z No. _____

Date _____

Telephone _____

Email _____

Advisor _____

COURSE EARNED	COURSE CODE	COURSE TITLE	CREDIT HOURS	COURSE EARNED	COURSE CODE	COURSE TITLE	CREDIT HOURS
FRESHMAN Semester 1				FRESHMAN Semester 2			
_____	BIO 111	Introductory Biology I Lecture	3	_____	BIO 112	Introductory Biology II Lecture	3
_____	BIO 111	Introductory Biology I Lab	1	_____	BIO 112	Introductory Biology II Lab	1
_____	CHE 111	General Chemistry I Lecture	3	_____	BIO 290	Methods in Biotechnology	1
_____	CHE 111	General Chemistry I Lab	1	_____	CHE 112	General Chemistry II Lecture	3
_____	MAT 106/201	Trigonometry or Calculus I	3-4	_____	CHE 112	General Chemistry II Lab	1
_____	COMP 102	Reading/Writing in Liberal Arts	3	_____	COM 101	Oral Communication	3
_____	PRF 070	Swimming Proficiency	0	_____	GOV 101	American Government	3
_____	HPE 001	Health Fitness I	1	_____	HPE 002	Health Fitness II	1
_____	GEN 099	Whole Person Assessment	0				16
			15-16				

SOPHOMORE Semester 3				SOPHOMORE Semester 4			
_____	BIO 312	Ecology Lecture	3	_____	EVR 201	Global Development and Sustainability*	3
_____	BIO 312	Ecology Laboratory	1	_____	CHE 212	Organic Chemistry II Lecture	3
_____	CHE 211	Organic Chemistry I Lecture	3	_____	CHE 212	Organic Chemistry II Laboratory	1
_____	CHE 211	Organic Chemistry I Lab	1	_____	HUM _____	Humanities Elective	3
_____	HUM 103	Christian Worldview and Culture	3	_____	BLIT 120	Survey of New Testament Literature	3
_____	BLIT 110	Survey of Old Testament Literature	3	_____	HIS 101	American History	3
_____	HPE _____	HPE Activity	0.5	_____	HPE _____	HPE Activity	0.5
			14.5				16.5

Major electives must be taken at the Au Sable Institute during the summer. See advisor for details.

JUNIOR Semester 5				JUNIOR Semester 6			
_____	BIO/AUS	Major elective	4	_____	BIO 372	Introduction to Biological Research	1
_____	BIO/AUS	Major elective	4	_____	PHY 102	General Physics II Lecture	3
_____	MAT 332	Biostatistics	3	_____	PHY 102	General Physics II Lab	1
_____	PHY 101	General Physics I Lecture	3	_____	EVR 250	Environmental Science Lecture	3
_____	PHY 101	General Physics I Lab	1	_____	EVR 250	Environmental Science Laboratory	1
_____	HPE _____	HPE Activity	0.5	_____	HUM _____	Humanities Elective	3
			15.5	_____	COMF 303	Critical Reading and Writing	3
				_____	HPE _____	HPE Activity	0.5
							15.5

Major electives must be taken at the Au Sable Institute (AUS) during the summer. See advisor for details

SENIOR Semester 7				SENIOR Semester 8			
_____	BIO 499	Research and Senior Paper	3	_____	BIO 451	Biology Seminar	1
_____	THE 103	Spirit-Empowered Living	3	_____	BIO 456	Bioethics	3
_____	BIO/AUS	Major elective	4	_____	HUM _____	Humanities Elective	3
_____	BIO/AUS	Major elective	4	_____	_____	General Elective***	3
_____	CHE/AUS	Concentration elective	3	_____	_____	General Elective***	4
_____	HPE _____	HPE Activity	0.5	_____	_____	Social Sciences Elective	3
			17.5	_____	HPE _____	HPE Activity	0.5
							17.5

*** Follow recommendations of your advisor. Biochemistry and Chemistry minors are possible choices.

Biology

Concentration: Environmental Science

(F)=Fall Semester (S)=Spring Semester

GENERAL EDUCATION REQUIREMENTS				MAJOR REQUIREMENTS			
55 Credit Hours Required				21 Credit Hours Required			