

ENVIRONMENTAL BIOLOGY BACHELOR OF SCIENCE

3.5-Year Planning Guide ■ Catalog Year 2021-2022

FALL

FRESHMAN (2021)

BIO-151	General Biology	4
MAT-121	College Algebra*	3
	General Education Core*	10
		17

SOPHOMORE (2022)

BIO-225	Botany	4
CHM-111	Principles of General Chemistry	4
MAT-151	Statistics	3
	General Education Core*	3
		14

JUNIOR (2023)

BIO-XXX	Major elective	4
BIO-351	Genetics	4
ECO-341	Ecology	4
SCI-496	Senior Research Seminar	1
	Social Science Requirement****	3
		16

SENIOR (2024)

ECO-241	Environmental Science	4
BIO-400	Capstone Seminar	3
	General Education Core*	4
	General electives	2
		13

SPRING

FRESHMAN (2022)

BIO-233	Zoology	4
	General Education Core*	11
		15

SOPHOMORE (2023)

CHM-212	Organic & Biochemistry	4
ECO-442	Field Studies (J-term or summer)	4
SCI-262	Geology	4
	Upper level elective in BIO or ECO	4
		16

JUNIOR (2024)

ECO-342	Field Biology	4
SCI-361	Evolution & Origins	3
SCI-380	Internship	3
SCI-495	Senior Research Project	1
	General Education Core*	3
	Global Studies Requirement	3
	could take as J or May term trip	
		17

SENIOR (2025)

TOTAL CREDITS **120**

SUMMER

(2022)

(2023)

ECO 3XX/4XX
Electives at Au Sable

12

(2024)

*See General Education Core handout for required courses

***See catalog for electives at Au Sable Institute options

COURSES THAT FULFILL GLOBAL STUDIES REQUIREMENT:

For a full list of courses see Academic Catalog

CMI-243	Introduction to Intercultural Studies	3
COM-311	Intercultural Communication	3
SSC-312	World Affairs	3
LIN-100	Language in Culture	3
	International Study Trip	3

MAJOR ELECTIVE OPTIONS (CHOOSE ONE):

BIO 331- Ornithology	4
BIO 431- Vertebrate Zoology	4

REQUIRED ENVIRONMENTAL BIOLOGY COURSES:

CREDIT HOURS

BIO-151	General Biology	4
BIO-225	Botany (prerequisite BIO-111 or BIO-151)	4
BIO-233	Zoology (prerequisite BIO-111 or BIO-151)	4
BIO-351	Genetics	4
BIO-400	Capstone Seminar: Bioethics and Argument Theory	3
CHM-111	Principles of General Chemistry	4
CHM-212	Principles of Organic and Biochemistry (prerequisite CHM-111 or CHM-121)	4
ECO-241	Environmental Science	4
ECO-341	Ecology (prerequisite MAT-151 or MAT-251, take GEGR-100 or BIO-225 & BIO-233)	4
ECO-342	Field Biology (prerequisite take GEGR-100 or BIO-225 & BIO-233)	4
ECO-442	Advanced Field Studies	4
ECO-3XX/4XX	Electives at Au Sable Institute	12
MAT-121	College Algebra	3
MAT-151	Statistics (prerequisite math core)	3
SCI-262	Geology	4
SCI-361	Evolution and Origins (prerequisite BIO-111 or 4 credits in SCI, BIO, CHM, or PHY)	3
SCI-380	Internship	3
SCI-495	Senior Research Project	1
SCI-496	Senior Research Seminar	1
	Major Elective (See approved list above to choose appropriate course)	4
	Upper level elective in either Biology or Ecology	4

CUMULATIVE TOTAL 81