

BACHELOR OF SCIENCE IN BIOLOGY

Ecology & Conservation Track (includes Veterinary, Wildlife Biology, Plant Science & Research) 2024-2025

FRESHMAN YEAR FALL	CREDITS	COMPLETED
CATEGORY III: BIOB 160/161 Principles of Living Systems & Lab	4	<input type="checkbox"/>
CHMY 141/142 College Chemistry I & Lab	4	<input type="checkbox"/>
CATEGORY I: WRIT 101 College Writing	3	<input type="checkbox"/>
CATEGORY IV: History/Social Science	3	<input type="checkbox"/>
CATEGORY I: COMX 111 Introduction to Public Speaking	3	<input type="checkbox"/>
TOTAL CREDITS	17	

SOPHOMORE YEAR FALL	CREDITS	COMPLETED
BIOE 370/371 General Ecology & Lab	4	<input type="checkbox"/>
PHSX 205/206 College Physics I & Lab	4	<input type="checkbox"/>
STAT 216 Introduction to Statistics	3	<input type="checkbox"/>
CATEGORY IV: History/Social Science	3	<input type="checkbox"/>
CATEGORY VI: Humanities/Fine Arts	3	<input type="checkbox"/>
TOTAL CREDITS	17	

JUNIOR YEAR FALL	CREDITS	COMPLETED
AOT 301 Global Positioning System (GPS)	3	<input type="checkbox"/>
CHMY 321/322 Organic Chemistry I & Lab	5	<input type="checkbox"/>
Advisor Approved Track Elective	4	<input type="checkbox"/>
Advisor Approved Track Elective	4	<input type="checkbox"/>
TOTAL CREDITS	16	

SENIOR YEAR FALL	CREDITS	COMPLETED
Major/Minor Elective	3	<input type="checkbox"/>
Major/Minor Elective	3	<input type="checkbox"/>
Advisor Approved Track Elective	4	<input type="checkbox"/>
Advisor Approved Track Elective	4	<input type="checkbox"/>
TOTAL CREDITS	14	

Advisor Approved Electives	CREDITS	COMPLETED
AHMS 144 Medical Terminology	3	<input type="checkbox"/>
ANTY 250 Intro to Archaeology	3	<input type="checkbox"/>
ANTY 3XX Archaeological Science & Lab	4	<input type="checkbox"/>
ASTR 307 Astronomy & Lab	4	<input type="checkbox"/>
BCH 360 Fundamentals of Biochemistry	3	<input type="checkbox"/>
BIOB 450/451 Molecular Biology Tech. & Lab	3	<input type="checkbox"/>
BIOE 410/411 Field Biology Methods & Lab	4	<input type="checkbox"/>
BIOE 410/411 Ecological Methods & Lab	4	<input type="checkbox"/>
BIOE 428/429 Freshwater Ecology & Lab	4	<input type="checkbox"/>
BIOE 4XX Restoration Ecology	3	<input type="checkbox"/>
BIOM 423 Mycology	3	<input type="checkbox"/>
BIOO 320/321 General Botany & Lab	4	<input type="checkbox"/>

FRESHMAN YEAR SPRING	CREDITS	COMPLETED
CATEGORY III: BIOB 170/171 Organismal Diversity & Evolution & Lab	4	<input type="checkbox"/>
CHMY 143/144 College Chemistry II & Lab	4	<input type="checkbox"/>
CATEGORY II: M 121 College Algebra	3/4	<input type="checkbox"/>
CATEGORY VI: Humanities/Fine Arts	3	<input type="checkbox"/>
M 112 Trigonometry & Complex Numbers	2	<input type="checkbox"/>
TOTAL CREDITS	16/17	

SOPHOMORE YEAR SPRING	CREDITS	COMPLETED
GEO 3XX Landscape Geology & Lab	4	<input type="checkbox"/>
PHSX 207/208 College Physics II & Lab	4	<input type="checkbox"/>
CATEGORY VII: Technology	3	<input type="checkbox"/>
CATEGORY V: Cultural Diversity	3	<input type="checkbox"/>
TOTAL CREDITS	14	

JUNIOR YEAR SPRING	CREDITS	COMPLETED
BIOB 485/486 Molecular Biology & Genetics & Lab	4	<input type="checkbox"/>
AOT XXX Geographic Information Systems (GIS)	3	<input type="checkbox"/>
BIOE 440 Conservation Biology	3	<input type="checkbox"/>
Advisor Approved Track Elective	4	<input type="checkbox"/>
TOTAL CREDITS	14	

SENIOR YEAR SPRING	CREDITS	COMPLETED
BIOB 420 Evolution	4	<input type="checkbox"/>
BIOE 451 Landscape Ecology	3	<input type="checkbox"/>
Major/Minor Elective	3	<input type="checkbox"/>
Advisor Approved Track Elective	4	<input type="checkbox"/>
TOTAL CREDITS	14	

Advisor Approved Electives	CREDITS	COMPLETED
BIOO 335/336 Rocky Mountain Flora & Lab	3	<input type="checkbox"/>
BIOO 380/381 Zoology & Lab	4	<input type="checkbox"/>
BIOO 432/433 Entomology & Lab	4	<input type="checkbox"/>
BIOO 470/471 Ornithology & Lab	3	<input type="checkbox"/>
BIOO 475 Mammalogy & Lab	4	<input type="checkbox"/>
CHMY 323/324 Organic Chemistry II & Lab	5	<input type="checkbox"/>
ENSC 245 Soils	4	<input type="checkbox"/>
NRSM 260 Range Management & Lab	4	<input type="checkbox"/>
NSCI 450* Undergraduate Research I	3	<input type="checkbox"/>
NSCI 451* Undergraduate Research II	3	<input type="checkbox"/>
PHYX 207/208 College Physics II & Lab	4	<input type="checkbox"/>

*Students entering professional programs are encouraged to enroll

THE VALUE OF YOUR BIOLOGY DEGREE



With three tracks in the Biology program, a Biology degree from Montana State University-Northern provides a strong foundation for any career our students seek. MSUN students may follow the *Health Track* and pursue their future in a health-related field such as medicine, veterinary science, or pharmacy. Alternatively, the *Ecology Track* prepares students to seek positions with federal, state and non-profit agencies as a wildlife biologist, botanist, or game warden. Graduates in the *Education Track* become teachers that shape the future of younger students. As a Biology student, you work with professors on scientific research that provides opportunities to publish results or present conclusions at regional and national meetings.

The field of Biology includes specializations that give students in our program many options. It is a fascinating subject that opens our students to the world that surrounds them. There are many high-paying jobs in the field of Biology and we tailor your degree to successfully pursue them. With a Biology degree, you can become an entrepreneur, carving a unique career that used both your knowledge and talents. Most of all, the world needs biologists and with your MSUN Biology degree, YOU can be at the forefront of making a difference.

Faculty Advisors

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15 TO FINISH

WANT TO GRADUATE ON TIME? SAVE MONEY? GET BETTER GRADES?

15

You're going to need 15. That's the number of credits you need to take each semester to graduate on time. Sure, you can take less and still receive some scholarships and funding. But unless you take 15 credits a semester (or 30 a year), you're looking at an extra year or more in order to graduate. Know the courses you need to graduate, and meet with your advisor to map out a plan to earn your degree on time.