

# BACHELOR OF SCIENCE IN BIOLOGY

## Biomedical Science & Human Health Track

(includes Medical, Pharmacy, Dentistry & Research Career)

### 2024-2025

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

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

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"/>
<b>CATEGORY IV:</b> History/Social Science	3	<input type="checkbox"/>
<b>CATEGORY VI:</b> Humanities/Fine Arts	3	<input type="checkbox"/>
<b>TOTAL CREDITS</b>	<b>17</b>	

SOPHOMORE YEAR   SPRING	CREDITS	COMPLETED
AHMS 144 Medical Terminology	3	<input type="checkbox"/>
PHSX 207/208 College Physics II & Lab	4	<input type="checkbox"/>
<b>CATEGORY VI:</b> Technology	3	<input type="checkbox"/>
<b>CATEGORY V:</b> Cultural Diversity	3	<input type="checkbox"/>
<b>TOTAL CREDITS</b>	<b>13</b>	

JUNIOR YEAR   FALL	CREDITS	COMPLETED
BIOH 201/202 Human Anatomy & Physiology I & Lab	4	<input type="checkbox"/>
CHMY 321/322 Organic Chemistry I & Lab	5	<input type="checkbox"/>
Major/Minor Elective	3	<input type="checkbox"/>
Advisor Approved Track Elective	4	<input type="checkbox"/>
<b>TOTAL CREDITS</b>	<b>16</b>	

JUNIOR YEAR   SPRING	CREDITS	COMPLETED
BIOB 485/486 Molecular Biology & Genetics & Lab	4	<input type="checkbox"/>
BIOH 211/212 Human Anatomy & Physiology II & Lab	4	<input type="checkbox"/>
CHMY 323/324 Organic Chemistry II & Lab	5	<input type="checkbox"/>
<b>TOTAL CREDITS</b>	<b>14</b>	

SENIOR YEAR   FALL	CREDITS	COMPLETED
BIOM 250/251 Microbiology for Health Sciences & Lab	4	<input type="checkbox"/>
BCH 360 Fundamentals of Biochemistry	3	<input type="checkbox"/>
Advisor Approved Track Elective	3	<input type="checkbox"/>
Major/Minor Elective	3	<input type="checkbox"/>
<b>TOTAL CREDITS</b>	<b>13</b>	

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

Advisor Approved Electives	CREDITS	COMPLETED
BIOB 450/451 Molecular Biology Tech & Lab	3	<input type="checkbox"/>
BIOH 4XX Neurology of Disease	3	<input type="checkbox"/>
BIOM 400/401 Medical Microbiology & Lab	3	<input type="checkbox"/>
CHTH 440 Principles of Epidemiology	3	<input type="checkbox"/>
HTH 325 Etiology of Disease	3	<input type="checkbox"/>

Advisor Approved Electives	CREDITS	COMPLETED
KIN 320 Exercise Physiology	3	<input type="checkbox"/>
KIN 327 Kinesiology & Biomechanics	3	<input type="checkbox"/>
NSCI 450* Undergraduate Research I	3	<input type="checkbox"/>
NSCI 451* Undergraduate Research II	3	<input type="checkbox"/>

\*Students entering professional programs 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

Dr. Giuseppe Cortese	giuseppe.cortese@msun.edu	406-265-3700 ext 3759
Dr. Terri Hildebrand	terri.hildebrand@msun.edu	406-265-3700 ext 3329

## 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.