



University of Montana - Four-Year Academic Plan 2023-2024

College of Humanities and Sciences

Bachelor of Science in Microbiology, Microbial Ecology Concentration

This is a sample academic plan. Students should meet with an academic advisor prior to registration to formulate their own plan.

Year 1		Year 2		Year 3		Year 4	
Fall		Fall		Fall		Fall	
BIOB 160N/161N - Principles Living Systems/Lab	4	BIOB 260 - Cell & Molecular Biology	4	BIOE 370 - General Ecology	3	BIOM 450/451 - Microbial Physiology/Lab - <i>offered odd fall</i>	4
CHMY 141N/142N - College Chemistry I/Lab	5	CHMY 221/222 - Organic Chemistry I /Lab	5	Major Elective (Depth) - Advanced Writing	6	PHSX 205N/206N - College Physics I/Lab	5
M 171 - Calculus (or M 162 - Applied Calculus)	4	BIOM 360/361 - General Microbiology /Lab	5	General Education Requirement	3	General Education Requirement	3
Elective	1			Science Elective	3	Upper Division Science Elective	4
Credits	14	Credits	14	Credits	15	Credit	16
Spring		Spring		Spring		Spring	
BIOB 170N/171N - Principles of Biological Diversity/Lab	5	BIOB 272 - Genetics & Evolution	4	BIOM 415 - Microbial Diversity, Ecol, Evolution	3	Major Elective (Depth)	3
CHMY 143N/144N - College Chemistry II /Lab	5	CHMY 223/224 - Organic Chemistry II/Lab	5	BCH 380 - Biochemistry	4	BIOM 410/411 - Microbial Genetics/Lab - <i>offered even spring</i>	4
WRIT 101 - College Writing I	3	Intermediate Writing Course	3	Upper Division Elective	3	Elective	1
General Education Requirement	3	STAT 216 - Intro to Statistics	4	General Education Requirement	3	General Education Requirement	6
				Elective	2		
Credits	16	Credits	16	Credits	15	Credits	14
Summer		Summer		Summer		Summer	
Credits	0	Credits	0	Credits	0	Credits	0
Total Credits	30	Total Credits	60	Total Credits	90	Total Credits	120

ElevateU Career Readiness Plan

GRADUATE CAREER-READY BY GETTING INVOLVED IN THE BELOW ACTIVITIES WHILE AT UM.

Discover how your strengths, values, and interests relate to career and education pathways.

- Take the [Strong Interest Inventory](#) or other [career assessments](#) to see what careers may be a good fit for you.*
- Download the [Handshake](#) app and activate your account to explore jobs*
- Attend “[careers and opportunities](#)” fairs and join a [First Time at the Fair](#) tour*
- Join student groups that align with your interests*
- Explore career options at [What Can I Do With This Major?](#) (click on “Major Exploration”)*
- Learn about specific occupations on [O*Net Online](#)
- [Schedule an appointment](#) for Career Planning and Major Exploration

EXPLORE
Pathways for you

Participate in experiential (hands-on) learning to refine your interests and goals.

- Seek and apply for internships or part-time jobs on [Handshake](#)*
- Participate in [Volunteer Programs](#)*
- Consider [studying abroad](#) or at [another US university](#) for a semester or year*
- Consider an [internship abroad](#)*
- Conduct [undergraduate research](#) at UM*
 - Secure a paid [micro-internship](#)
 - Participate in the [Griz Career Skills Program](#)
 - [Schedule an appointment](#) for Internship Search, International Internship Search, National Student Exchange, Job Search Strategies, and Handshake How-To

EXPERIENCE
and Grow

- Meet employers at [career fairs and events](#)*
- Develop a stellar [resume](#) and [cover letter](#)*
- Practice [interview skills](#)
- Learn how to [negotiate your salary](#) and benefits package
- Fine-tune your [LinkedIn](#) profile
- Apply for jobs, graduate/professional school, or national service
- [Schedule an appointment](#) for Resume, Cover letter, Interview Prep, Personal Statement, LinkedIn, Graduate School Planning

ELEVATE
to Your Career

Refine your personal brand and develop stand-out application materials to achieve your goals

EMBRACE
Your Goals

- Strengthen relationships with faculty and supervisors who can guide and recommend you*
 - Connect with alumni in fields or companies of interest through the [Griz Career Network](#)
 - Expand your network to gain insights and support through [LinkedIn](#)
 - Conduct [career conversations](#) with professionals in fields of interest
 - Gain industry and company-specific skills through free [Forage](#) job simulations
 - [Schedule an appointment](#) to discuss Networking Strategies, LinkedIn, Graduate School Planning
- Develop skills and network to help you pursue your goals**

YOUR CAREER SUPPORT OFFICES AT UM

[Experiential Learning & Career Success \(ELCS\)](#) is for all UM students!

Students in the following Schools and Colleges have additional access to the following career services:

- [College of Business Career Development Center](#)
- [Career Trailhead professional readiness program](#)
- [College of Humanities and Sciences Career Planning Center](#)
- [Davidson Honors College Career Development Program](#)
- [School of Law Career Development Office](#)
- [Missoula College Career Services](#)

