



**University of Montana - Four-Year Academic Plan 2022-2023**  
**College of Humanities and Sciences**  
**Bachelor of Science in Biochemistry**

This is an example of a four year graduation plan for a degree in Biochemistry.

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	
CHMY 141/142 - College Chemistry I/Lab	5	CHMY 221 - Organic Chemistry I	3	BCH 480 - Advanced Biochemistry I	3	CHMY 401 - Advanced Inorganic Chemistry	3
M171 - Calculus I	4	CHMY 222 - Organic Chemistry I Lab	2	CHMY 311 - Analytical Chem-Quant Analysis	4	Upper Division Biochemistry Electives	6
BIOB 160/161 - Principles of Living Systems/Lab	4	PHSX 215N/ 216N - Fund of Physics w Calculus I /Physics Lab I/ Calculus	5	CHMY 373 - Phys Chem-Kntcs & Thrmodynms	4	General Education Requirements	6
CSCI 150 (SCI) - Intro to Programming	3	BIOB 260 - Cellular & Molecular Biology	4	General Education Requirement	3		
		Intermediate Writing Course <sup>1</sup>	3				
Credits	16	Credits	17	Credits	14	Credits	15
Spring		Spring		Spring		Spring	
CHMY 143N/144N - College Chemistry II/Lab	5	CHMY 223 - Organic Chemistry II	3	BCH 482 - Advanced Biochemistry II	3	BIOB 425 - Advanced Cell & Molecular Biology	3
M172 - Calculus II	4	CHMY 224 - Organic Chemistry Lab II	2	BCH 486 - Biochemistry Research Lab	3	Upper Division Biochemistry Electives	6
WRIT 101 - College Writing I	3	PHSX 217/218 - Fund of Physics w/Calculus II / Physics Lab II w/Calculus	5	CHMY 421 - Advanced Instrument Analysis	4	General Education Requirement	3
General Education Requirement	3	BIOB 272 - Genetics & Evolution	4	General Education Requirements	6		
		BCH 294 - Seminar/Workshop	1				
Credits	15	Credits	15	Credits	16	Credits	12
Summer		Summer		Summer		Summer	
Credits	0	Credits	0	Credits	0	Credits	0
<b>Total Credits</b>	<b>31</b>	<b>Total Credits</b>	<b>63</b>	<b>Total Credits</b>	<b>93</b>	<b>Total Credits</b>	<b>120</b>

**Notes:**

<sup>1</sup>See approved courses at <http://catalog.umt.edu/academics/general-education-requirements/> under Group I: Writing tab. This course may fulfill a Gen Ed requirement, too, in which case a student can take 3 more credits of upper division elective in place of 3 credits of Gen Ed in Year 4.

# ELEVATEU

**YOUR SIGNATURE CAREER READINESS PROGRAM**  
Focus on the skills you need to succeed

<p>Discuss Majors &amp; Career Paths with Your Academic Advisor and a Career Coach</p> <p>Create Your Handshake Profile</p> <p>Take COLS 194 Freshman Seminar</p> <p>Enroll in Four Bear</p> <p>Take C&amp;I 160 Learning Strategies</p> <p>Attend the Student Employment &amp; Involvement Fair</p> <p>Participate in a Micro-Internship</p> <p>Take a Career Interest or Personality Assessment</p> <p>Participate in Service Saturday</p> <p>Create Your LinkedIn Profile</p> <p>Participate in ElevateU</p>	<p>Discuss Career Readiness Steps with a Career Coach</p> <p>Draft &amp; Review Your Résumé with a Career Coach</p> <p>Practice Interview Skills</p> <p>Explore Internship Options with a Career Coach</p> <p>Declare Your Major &amp; Minor</p> <p>Consider Work, Service, or Intern Abroad</p> <p>Participate in a Service Activity</p> <p>Join a Major-Specific Student Club</p> <p>Select a Faculty Mentor</p> <p>Conduct Faculty-Led Research</p> <p>Attend the Student Employment &amp; Involvement Fair</p>	<p>Discuss Graduate &amp; Professional School with a Career Coach</p> <p>Update Your Résumé</p> <p>Intern and/or Volunteer in Your Field</p> <p>Present Research at UMCUR</p> <p>Complete an Micro-Credential</p> <p>Draft &amp; Review Your Cover Letter with a Career Coach</p> <p>Explore Peace Corps, VISTA &amp; AmeriCorps</p> <p>Take a Service Learning Course</p> <p>Study Away (Domestic or International)</p> <p>Practice &amp; Polish Interview Skills with a Career Coach</p> <p>Attend a Career Fair</p>	<p>Complete a Second Internship</p> <p>Finalize Your Résumé</p> <p>Finalize Your Cover Letter</p> <p>Explore Student Loan Forgiveness</p> <p>Ask for Recommendation Letters</p> <p>Confirm Professional References</p> <p>Review &amp; Order Your Official Transcript</p> <p>Apply for Peace Corps, VISTA, or AmeriCorps</p> <p>Take the GMAT, LSAT, GRE, PRAXIS, etc.</p> <p>Apply for Jobs, Graduate, or Professional School</p> <p>Complete the First Destination Survey</p> <p>Join UM Alumni Association</p>
<p><b>FRESHMAN</b></p>  <p>EXPLORE</p>	<p><b>SOPHOMORE</b></p>  <p>EXPERIENCE</p>	<p><b>JUNIOR</b></p>  <p>EMBRACE</p>	<p><b>SENIOR</b></p>  <p>ELEVATE</p>

## TODAY'S EMPLOYERS EXPECT THAT CANDIDATES CAN:

1. Communicate Clearly
2. Work in Teams
3. Manage Time & Stay Organized
4. Think Critically & Solve Problems
5. Be Comfortable with Technology
6. Work with a Diversity of Peers
7. Be Workplace & Civic Leaders
8. Pursue New Skills

**UM classes and experiential learning activities will help you develop and hone these important skills**