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

**College of Humanities and Sciences**

**Bachelor in Science in Biochemistry with Health Professions Option**

This is an example of a four-year graduation plan for a degree in Biochemistry with a Health Professions option.

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

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Fall</th>
<th>Credits</th>
<th>Spring</th>
<th>Credits</th>
<th>Total Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>M171 - Calculus I</td>
<td>CHMY 141/142 -</td>
<td>5</td>
<td>CHMY 221 - Organic Chemistry I</td>
<td>3</td>
<td>8</td>
</tr>
<tr>
<td>M172 - Calculus II</td>
<td>CHMY 143/144 - College Chemistry II/Lab</td>
<td>5</td>
<td>CHMY 222 - Organic Chemistry I Lab</td>
<td>2</td>
<td>7</td>
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<tr>
<td>BIOB 160/161 - Principles of Living Systems/Lab</td>
<td>PHSX 215/216 - Fund of Physics w/Calculus I/Physics Lab w/Calculus</td>
<td>4</td>
<td>BIO 365 - Human AP I for Health Professionals</td>
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<tr>
<td>WRIT 101 - College Writing I</td>
<td>BIOB 260 - Cellular &amp; Molecular Biology</td>
<td>3</td>
<td>HMED 140</td>
<td>3</td>
<td>6</td>
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<tr>
<td>General Education Requirements</td>
<td>Intermediate Writing Course¹</td>
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<thead>
<tr>
<th>Year 2</th>
<th>Fall</th>
<th>Credits</th>
<th>Spring</th>
<th>Credits</th>
<th>Total Credits</th>
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</thead>
<tbody>
<tr>
<td>M172 - Calculus II</td>
<td>CHMY 143/144 - College Chemistry II/Lab</td>
<td>5</td>
<td>CHMY 223 - Organic Chemistry II</td>
<td>3</td>
<td>8</td>
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<tr>
<td>M172 - Calculus II</td>
<td>CHMY 224 - Organic Chemistry II Lab</td>
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<td>BCH 486 - Biochemistry Research Lab</td>
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<td>PSYX 100S - Introduction to Psychology</td>
<td>PHSX 217/218 - Fund of Physics w/Calculus II Physics Lab II w/Calculus</td>
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<td>BIO 370 - Human AP II for Health Professionals</td>
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<tr>
<td>SOCI 101S - Introduction to Sociology</td>
<td>BIOB 272 - Genetics &amp; Evolution</td>
<td>3</td>
<td>BCH 294 - Seminar/Workshop</td>
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<thead>
<tr>
<th>Year 3</th>
<th>Fall</th>
<th>Credits</th>
<th>Spring</th>
<th>Credits</th>
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<tbody>
<tr>
<td>CHMY 223 - Organic Chemistry II</td>
<td>BCH 480 - Advanced Biochemistry I</td>
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<td>CHMY 311 - Analytical Chem-Quant</td>
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<tr>
<td>M172 - Calculus II</td>
<td>CHMY 222 - Organic Chemistry I Lab</td>
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<td>Microbiology/Lab</td>
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<td>M172 - Calculus II</td>
<td>Microbiology/Lab</td>
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<td>MICRO 240 - Microbiology</td>
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<td>M172 - Calculus II</td>
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<td>BIOH 365 - Human AP I for Health Professionals</td>
<td>BIOH 385 - Human AP II for Health Professionals</td>
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<tr>
<th>Year 4</th>
<th>Fall</th>
<th>Credits</th>
<th>Spring</th>
<th>Credits</th>
<th>Total Credits</th>
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</thead>
<tbody>
<tr>
<td>M172 - Calculus II</td>
<td>M172 - Calculus II</td>
<td>4</td>
<td>Upper Division Electives</td>
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<td>8</td>
</tr>
<tr>
<td>PSYX 100S - Introduction to Psychology</td>
<td>PHSX 217/218 - Fund of Physics w/Calculus II Physics Lab II w/Calculus</td>
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<td>General Education Requirements</td>
<td>6</td>
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<tr>
<td>SOCI 101S - Introduction to Sociology</td>
<td>BIOB 272 - Genetics &amp; Evolution</td>
<td>4</td>
<td>General Education Requirements</td>
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<td>CHMY 223 - Organic Chemistry II</td>
<td>BMED 102 - Seminar in the Life Sciences</td>
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<td>General Education Requirements</td>
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**Notes:**

¹See approved courses at http://www.umt.edu/general-education/intermediate_writing/default.php. This course may fulfill a Gen Ed requirement, too, in which case a student can take 3 more credits of...

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**Total Credits**

- Fall: 31 credits
- Spring: 15 credits
- Summer: 15 credits
- Total: 63 credits

**Credits**

- Year 1: 16
- Year 2: 17
- Year 3: 15
- Year 4: 16
- Total: 120

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Re 3/19
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

- 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

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

• 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

EMBRACE
Your Goals

• 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

The elements of ElevateU can be done in any order. For the best outcomes, we recommend getting started with items marked with a * in your first two years, though most of them can be done at any time.