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

## College of Humities and Sciences

### Bachelor of Science in Computer Science - Mathematical Sciences

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>Year 2</th>
<th>Year 3</th>
<th>Year 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
<td>Fall</td>
<td>Fall</td>
<td>Fall</td>
</tr>
<tr>
<td>CSCI 106 Careers in Computer Science</td>
<td>CSCI 152 Interdisciplinary Computer Science II</td>
<td>CSCI 332 Advanced Data Structures and Algorithms</td>
<td>CSCI Elective 300+</td>
</tr>
<tr>
<td>CSCI 150 Intro Computer Science</td>
<td>CSCI 258 Web Application Development</td>
<td>M 221 Intro Linear Algebra</td>
<td>CSCI Elective 300+</td>
</tr>
<tr>
<td>M 171 Calculus I</td>
<td>M 225 Intro Discrete Math, or Intro Abstract Math</td>
<td>General Education</td>
<td>Math Elective 300+</td>
</tr>
<tr>
<td>WRIT 101, COMX 111A Collge Writing I, or Intro Public Speaking</td>
<td>Science Sequence 1</td>
<td>Elective</td>
<td>Elective</td>
</tr>
<tr>
<td>General Education</td>
<td>Elective</td>
<td>Elective</td>
<td>Elective</td>
</tr>
</tbody>
</table>

| Credits | 14 | 14 | 16 |

<table>
<thead>
<tr>
<th>Spring</th>
<th>Spring</th>
<th>Spring</th>
<th>Spring</th>
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<tbody>
<tr>
<td>CSCI 151 Interdisciplinary Computer Science I</td>
<td>CSCI 232 Intermediate Data Structures and Algorithms</td>
<td>CSCI 340 Database Design</td>
<td>CSCI Elective 300+</td>
</tr>
<tr>
<td>M 172 Calculus II</td>
<td>M 273 Multivariable Calculus</td>
<td>Math Elective 300+</td>
<td>Math Elective 300+</td>
</tr>
<tr>
<td>WRIT 101, COMX 111A Collge Writing I, or Intro Public Speaking</td>
<td>Science Sequence 2</td>
<td>Math Elective 300+</td>
<td>Elective</td>
</tr>
<tr>
<td>General Education</td>
<td>Elective</td>
<td>General Education</td>
<td>Elective</td>
</tr>
<tr>
<td>General Education</td>
<td>Elective</td>
<td>Elective</td>
<td>Elective</td>
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</tbody>
</table>

| Credits | 16 | 15 | 15 |

<table>
<thead>
<tr>
<th>Summer</th>
<th>Summer</th>
<th>Summer</th>
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</thead>
</table>

| Credits | 0 | 0 | 0 |

| Total Credits | 30 | 59 | 90 |

**Notes:**
- Students may begin with CSCI 151 in their first semester if they can pass a programming skills entrance exam.
- This degree template can be adapted for students who are not ready to take M 171 (Calculus I) in their first semester.
- Details regarding the Math and Computer Science Electives and the Science Sequence are in the Catalog and on Degree Works. Choose these courses with your advisor.
- Details regarding the General Education course work are in the Catalog and on Degree Works. Choose these courses in consultation with an advisor.
- 39 upper-division (300+ course) credits are required.

Rev 9/23
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*
- Planning and Major Exploration

EXPLORER
Pathways for you

EXPLORE
Pathways for you

EXPERIENCE
and Grow

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*

ELEVATE
to Your Career

ELEVATE
to Your Career

- 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

EMBRACE
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

Refine your personal brand and develop stand-out application materials to achieve your goals
- 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
- Davidson Honors College Career Development Program
- Career Trailhead professional readiness program
- School of Law Career Development Office
- College of Humanities and Sciences Career Planning Center
- 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.