



University of Montana - Four-Year Academic Plan 2023-2024
College of Humanities and Sciences
Bachelor of Science in Mathematical Sciences - Computer Science

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	
CSCI 106	Careers in Computer Science 1	CSCI 152	Interdisciplinary Computer Science II 3	CSCI 332	Advanced Data Structures and Algorithms 3	CSCI Elective 300+ 3	
CSCI 150	Intro Computer Science 3	CSCI 258	Web Application Development 3	M 221	Intro Linear Algebra 4	CSCI Elective 300+ 3	
M 171	Calculus I 4	M 225	Intro Discrete Math, or	General Education 3	Elective 3	Math Elective 300+ 3	
WRIT 101	College Writing I, or	M 307	Intro Abstract Math 3				
COMX 111A	Intro Public Speaking 3	Science Sequence 1 5		Elective 3	Elective 3	Elective 3	
	General Education 3			Elective 3	Elective 3	Elective 3	
Credits	14	Credits	14	Credits	16	Credits	15
Spring		Spring		Spring		Spring	
CSCI 151	Interdisciplinary Computer Science I 3	CSCI 232	Intermediate Data Structures and Algorithms 4	CSCI 340	Database Design 3	CSCI Elective 300+ 3	
M 172	Calculus II 4	M 273	Multivariable Calculus 4	Math Elective 300+ 3		Math Elective 300+ 3	
WRIT 101	College Writing I, or	Science Sequence 2 5		Math Elective 300+ 3		Elective 3	
COMX 111A	Intro Public Speaking 3	Elective 2		General Education 3		Elective 3	
	General Education 3			Elective 3		Elective 3	
	General Education 3			Elective 3		Elective 3	
Credits	16	Credits	15	Credits	15	Credits	15
Summer		Summer		Summer		Summer	
Credits	0	Credits	0	Credits	0	Credits	0
Total Credits	30	Total Credits	59	Total Credits	90	Total Credits	120

- 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.

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
- College of Humanities and Sciences Career Planning Center
- Davidson Honors College Career Development Program
- School of Law Career Development Office
- Missoula College Career Services

