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.

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 M 307	Intro Discrete Math, or Intro Abstract Math	3		General Education	3		Math Elective 300+	3
WRIT 101 COMX 111A	Collge Writing I, or Intro Public Speaking	3		Science Sequence 1	5		Elective	3		Elective	3
	General Education	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	Intemediate 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 COMX 111A	Collge Writing I, or Intro Public Speaking	3		Science Sequence 2	5		Math Elective 300+	3		Elective	3
	General Education	3		Elective	2		General Education	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.

Rev 9/23

ElevateU Career Readiness Plan
GRADUATE CAREER-READY BY GETTING INVOLVED IN THE BELOW ACTIVITIES WHILE AT UM.

EXPLORE — *Pathways for you*

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

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*
- 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

ELEVATE — *to Your Career*

- 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

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

*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.*