



**University of Montana - Four-Year Academic Plan 2024-2025**

Name of College: College of Humanities and Sciences

Name of Degree: Computer Science Core Courses

This is an example of a four year graduation plan for a degree in 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				
<b>Fall</b>		<b>Fall</b>		<b>Fall</b>		<b>Fall</b>				
CSCI 150	Introduction to Programming	3	CSCI 152	Interdisciplinary Computer Science II	3	CSCI 332	Design/Analysis of	3	Gen Ed. Elective	3
CSCI 106	Careers in Computer Science Seminar	1	M 171	Calculus	4		Science Elective (3-5 cr.)	3	CS Core Elective	3
COMM 111	Public Speaking	3	CSCI 258	Web Application Dev (Coreq 152)	3		Intermediate Wrting Course	3	CS Core Elective	3
	Gen Ed Elective	3		Lab Science seq I (4-5 cr.)	5	CSCI 340	Database Design	3	CS Core Elective	3
	Gen Ed Elective	3					UD Math Elective	3	UD Math Elective	3
Credits		13	Credits		15	Credits		15	Credit	15
<b>Spring</b>		<b>Spring</b>		<b>Spring</b>		<b>Spring</b>		<b>Spring</b>		
CSCI 151	Interdisciplinary Computer Science I	3	CSCI 232	Interm DSA	3	CSCI 315E	Computers, Ethics & Society	3	Gen Ed. Elective	3
WRIT 101	College Writing	3	M 225	Discrete Math (Coreq for CSCI 232)	3		Science Elective (3-5 cr.)	3	CS Core Elective	3
	Gen Ed Elective	3		CS Core Elective	3		Gen Ed. Elective	3	CS Core Elective	3
	Gen Ed Elective	3		Lab Science seq (4-5 cr.)	5		CS Core Elective	3	CS Core Elective	3
Math	M 121, 122 or 151 if needed <sup>1</sup>	4		Gen ed elective	3		UD Math Elective	3	CS Core Elective	3
Credits		16	Credits		17	Credits		15	Credits	15
<b>Summer</b>		<b>Summer</b>		<b>Summer</b>		<b>Summer</b>		<b>Summer</b>		
Credits		0	Credits		0	Credits		0	Credits	0
<b>Total Credits</b>		<b>29</b>	<b>Total Credits</b>		<b>61</b>	<b>Total Credits</b>		<b>91</b>	<b>Total Credits</b>	<b>121</b>
<b>Notes:</b>										
See catalog or DBS Advising Office for more details.										
<sup>1</sup> Preparatory course - no credit towards degree, must be taken at this time to assure progression through degree										
<sup>2</sup> Math 162 will not be accepted for this concentration										
CS Core Elective is any 300 or higher level CS course										
<b>Advanced Software Elective</b>			CSCI 400: Digital Entrepreneurship; CSCI 443: User Interface Design; CSCI 444 Data Visualization; CSCI 398 (or CSCI 498) Internship							
<b>Upper Division Math Elective</b>			M361 Discrete Optimization, M362 Linear Optimization, M414 Deterministic Models, M440 Numerical Analysis, M485 Graph Theory, STAT421 Probability The							

# 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
- 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

