Cybersecurity Roadmap

MINNESOTA STATE UNIVERSITY MOORHEAD

Program	**Bachelor of Science: Cybersecurity**
Total Credits	120
Catalog	2023-2024

*The plan below is **one** of several possible ways for you to complete this degree.*

Your individualized plan may look different if you have already fulfilled some requirements.

Your Financial Aid Award may require additional term credits for full-time funding.

You must complete all university and program requirements successfully to complete this degree (GPA, 120 credits, LASC, WI, residency)

Curriculum		Course	Course Title	Credits	Take When	Total Credits
						120.00

1st Year

Curriculum		Course	Course Title	Credits	Take When	Total Credits
Core Requirement:		CSIS 152	Intro to Computers and Programming 1-a	3.00	1st Fall	13.00
Related Requirement:	LASC 4	MATH 261/229	Calculus I or Topics in Calculus	3.00	1st Fall	
	First -Year Experience Course	FYE 101	First Year Experience	1.00	1st Fall	
	LASC 1A, 1B or 2	ENGL 101	English Composition	3.00	1st Fall	
	LASC 1A, 1B or 2			3.00	1st Fall	
Core Requirement:		CSIS 153	Intro to Computers and Programming 1-b	3.00	1st Spring	15.00
Related Requirement:	LASC 4	MATH 210	Concepts from Discrete Mathematics	3.00	1st Spring	
	LASC 1A, 1B or 2			3.00	1st Spring	
	LASC			3.00	1st Spring	
	LASC/WI			3.00	1st Spring	

2nd Year

Curriculum		Course	Course Title	Credits	Take When	Total Credits
Core Requirement:		CSIS 252	Intro to Computers and Programming II	3.00	2nd Fall	16.00
Core Requirement:		CSIS 316	Ethics in the Information Age	3.00	2nd Fall	
Core Requirement:		CSIS 362	Cybersecurity Fundamentals	3.00	2nd Fall	
	LASC 3			4.00	2nd Fall	
	LASC			3.00	2nd Fall	
Core Requirement:		CSIS 352	Advanced Concepts in Programming	3.00	2nd Spring	17.00
Related Requirement:		MATH 234/335	Intro or Intermediate Probability & Statistics	3.00	2nd Spring	
Core Requirement:		CSIS 349/349L	Network and Data Communications w/Lab	4.00	2nd Spring	
Core Requirement:		CSIS 320	Architecture	4.00	2nd Spring	
	LASC/WI			3.00	2nd Spring	

3rd Year

Curriculum		Course	Course Title	Credits	Take When	Total Credits
Core Requirement:		CSIS 364	Information Systems Security	3.00	3rd Fall	16.00
Core Requirement:		CSIS 304	Databases	3.00	3rd Fall	
Core Requirement:		CSIS 430	Operating Systems	4.00	3rd Fall	
Related Requirement:	WI for major	ENGL 387/PMGT 385	Tech Report Writing or Process Leadership	3.00	3rd Fall	
CSIS Elective:		CSIS ***	CSIS Elective	3.00	3rd Fall	
Core Requirement:		CSIS 441	Network Security	3.00	3rd Spring	15.00
Core Requirement:		CSIS 340	Software Engineering	3.00	3rd Spring	
CSIS Elective:		CSIS ***	CSIS Elective	3.00	3rd Spring	
Writing Intensive:	200-level or higher			3.00	3rd Spring	
	LASC			3.00	3rd Spring	

4th Year

Curriculum		Course	Course Title	Credits	Take When	Total Credits
Core Requirement:		CSIS 462	Software Security	3.00	4th Fall	15.00
Core Requirement:		CSIS 497/494/469	Research/Internship	3.00	4th Fall	
CSIS Elective:		CSIS ***	CSIS Elective	3.00	4th Fall	
	LASC			3.00	4th Fall	
	LASC			3.00	4th Fall	
Core Requirement:		CSIS 464	Software Security Analysis	3.00	4th Spring	13.00
Core Requirement:		CSIS 492	Senior Seminar	1.00	4th Spring	
CSIS Elective:		CSIS ***	CSIS Elective	3.00	4th Spring	
CSIS Elective:		CSIS ***	CSIS Elective	3.00	4th Spring	
General Elective/Minor Course:				3.00	4th Spring	