

MILLIKIN UNIVERSITY
Cybersecurity Major - 8-Semester Plan

Revised: April 2024

Semester #1	Term: _____	Hours	Spg/Fall/Every	Semester #2	Term: _____	Hours	Spg/Fall/Every
IN 140: University Seminar		3	Every	IS 240: Foundations of Information Systems		3	Every
EN 181: University Writing ³		3	Every	AC 230: Introduction to Financial Statements		3	Every
IS 120: Introduction to Business Analytics		3	Every	Economics course: EC 100 Prin. of Macro or EC 120 Prin. of Econ.		3	Every
MA 130: Elem. Prob. & Stats (or MA097, MA098, MA110 per placement)		3	Every	ICS, Humanities in the U.S. or Social Sciences in the U.S.		3	Every
Creative Arts (AT 110 recommended)		3	Every	Natural Science with Lab		4	Every
Semester Total		15		Semester Total		16	
Cumulative Total		15		Cumulative Total		31	
Semester #3	Term: _____	Hours	Spg/Fall/Every	Semester #4	Term: _____	Hours	Spg/Fall/Every
IS 230: Intro to Networks and Telecom		3	Fall	IS 311: IT Infrastructure ³		3	Spring
CO 230: Public & Prof. Speaking or CO 250: Written Bus. Comm.		3	Every	PH 211: Ethical Theory or OL 350: Leadership Ethics		3	Every
BU 260: Business Law		3	Every	IS 221: Programming Fundamentals or CS 135: Intro to CS ³		3	Spring
CS 208: Discrete Mathematics for Computer Science		3	Fall	EN 281: Writing in the Disciplines ³		3	Every
ICS, Humanities in the U.S. or Social Sciences in the U.S.		3	Every	CO 230: Public & Prof. Speaking or CO 250: Written Bus. Comm.		3	Every
Semester Total		15		Semester Total		15	
Cumulative Total		46		Cumulative Total		61	
Semester #5	Term: _____	Hours	Spg/Fall/Every	Semester #6	Term: _____	Hours	Spg/Fall/Every
MG 300: Organizational Behavior & Change		3	Every	IS 370: Database Application Development ³		3	Spring
IS 310: Intro to Info. Security		3	Fall	Cybersecurity Elective		3	Every
IS 321: Systems Analysis and Design ³		3	Fall	ICS, Humanities in the U.S. or Social Sciences in the U.S.		3	Every
ICS, Humanities in the U.S. or Social Sciences in the U.S.		3	Every	300/400 Level Elective		3	Every
Elective		3	Every	Elective		3	Every
Semester Total		15		Semester Total		15	
Cumulative Total		76		Cumulative Total		91	
Semester #7	Term: _____	Hours	Spg/Fall/Every	Semester #8	Term: _____	Hours	Spg/Fall/Every
IS 471: MIS Internship ²		3	Every	Cybersecurity Elective		3	Every
Global Studies		3	Every	300/400 Level Elective		3	Spring
Cybersecurity Elective		3	Every	300/400 Level Elective		3	Every
300/400 Level Elective		3	Every	Elective		3	Every
Elective		3	Every	Elective		3	Every
Semester Total		15		Semester Total		15	
Cumulative Total		106		Cumulative Total		121	

¹ A grade of C- or better is required for this course.

² A grade of C+ or better is required for this course.

³ A grade of C or better is required for this course.

NOTES:

- The schedule above provides a template. Schedules will vary by student. Summer courses may be taken at Millikin or another institution (course approved through Registrar)
- Undergraduate graduation hour requirements: 120 credits
- To qualify for undergraduate financial aid, students usually must take 12 – 15 hours in undergraduate credit
- If taking Advanced Placement courses in high school or considering dual enrollment in high school/community college courses, please make sure you speak with a faculty advisor or Registrar's Office at Millikin prior to your selection/enrollment.

6/5/2024

CYBERSECURITY

Tabor School of Business
Millikin University

Student: _____ Advisor _____

Effective Fall 2024

6/5/2024

University Studies, Distribution & Electives				Cybersecurity					
Sequential Requirements (18)				Business Requirements (15)					
		CR	SEM	GR			CR	SEM	GR
IN 140	University Seminar	3	___	___	EC 100	Principles of Macroeconomics	3	___	___
EN 181	University Writing ³	3	___	___	or				
EN 281	Writing in the Disciplines ³	3	___	___	EC 120	Principles of Economics			
_____	Humanities in the U.S.	3	___	___	AC 230	Intro to Financial Statements	3	___	___
_____	Social Sciences in the U.S.	3	___	___	CO 230	Public and Professional Speaking	3	___	___
_____	Global Studies	3	___	___	CO 250	Written Business Communication	3	___	___
					MG 300	Organizational Behavior and Change	3	___	___
Non-Sequential Requirements (13-15)				Math Requirements (6)					
		CR	SEM	GR			CR	SEM	GR
International Cultures & Structures (ICS) 6-8 credits:					MA 130	Elem. Prob. & Stats	3	___	___
_____	ICS:	3/4	___	___	CS 208	Discrete Math for CS	3	___	___
_____	ICS:	3/4	___	___	Criminal Justice/Law/Ethics Requirements (6)				
_____	Natural Science w/Lab	4	___	___			CR	SEM	GR
_____	Creative Arts (AT 110 recommended)	3	___	___	PH 211	Ethical Theory & Moral Issues	3	___	___
QR	MA 130 Elementary Probability & Statistics* satisfies QR requirement				or				
Oral Comm	CO 230 Public and Professional Speaking* satisfies Oral Communication requirement				OL 350	Leadership Ethics			
					BU 260	Business Law	3	___	___
Electives (14)				Cybersecurity Requirements (27)					
		CR	SEM	GR			CR	SEM	GR
_____	_____	3	___	___	IS 120	Intro to Business Analytics	3	___	___
_____	_____	3	___	___	CS 135	Intro to Computer Science I	3	SP	___
_____	_____	3	___	___	or				
_____	_____	3	___	___	IS 221	Programming Fundamentals			
_____	_____	3	___	___	IS 230	Intro to Networks and Telecom	3	FA	___
_____	_____	3	___	___	IS 240	Foundations of Information Systems	3	___	___
_____	_____	3	___	___	IS 310	Introduction to Info. Security	3	FA	___
_____	_____	3	___	___	IS 311	IT Infrastructure	3	SP	___
_____	_____	3	___	___	IS 321	System Analysis and Design	3	FA	___
					IS 370	Database Management Systems	3	SP	___
					IS 471	MIS Internship	3	___	___
300/400 Electives (12)				Cybersecurity Electives (Choose 9 Credits)					
		CR	SEM	GR			CR	SEM	GR
_____	_____	3	___	___	IS 334	System Administration	3	FA	___
_____	_____	3	___	___	IS 332	IT Audit and Controls	3	FA	___
_____	_____	3	___	___	IS 362	IT Security and Risk Management	3	SP	___
_____	_____	3	___	___	IS 410	Ethical Hacking	3	SP	___
					CS 434	Operating Systems	3	___	___
* Course is part of Cybersecurity major				Other courses may be eligible with approval from the chair					