MILLIKIN UNIVERSITY
Cybersecurity Major - 8-Semester Plan

Semester #1 — Term: _____	Hours	Spg/Fall/Every	Semester #2 — Term: _____	Hours	Spg/Fall/Every
IN 140: Millikin Foundations	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 (pre-requisite: MA098)	3	Every	EC 100: Prin of Macroeconomics or EC 120: Prin of Economics	3	Every
MA 130: Elem. Prob. & Stats (or MA097, MA098, MA110 per placement)	3	Every	ICS #1	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 & Professional Speaking	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	CO 250: Written Business Communication (pre-requisite: EN281)	3	Every
EN 281: Writing in the Disciplines[3]	3	Every	Humanities in the US	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	300/400 Level Elective	3	Every
Social Sciences in the US	3	Every	ICS #2	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	Every
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.

CYBERSECURITY

<div align="right">

Tabor School of Business
Millikin University

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Student:_____   Advisor _____

Effective Fall 2025   5/22/2025

University Studies, Distribution & Electives

Sequential Requirements (18)

		CR	SEM	GR
IN 140	Millikin Foundations	3	____	__
EN 181	University Writing [3]	3	____	__
EN 281	Writing in the Disciplines [3]	3	____	__
_____	Humanities in the U.S.	3	____	__
_____	Social Sciences in the U.S.	3	____	__
_____	Global Studies	3	____	__

Non-Sequential Requirements (13-15)

		CR	SEM	GR
	International Cultures & Structures (ICS) 6-8 credits:			
_____	ICS: _____	3/4	____	__
_____	ICS: _____	3/4	____	__
_____	Natural Science w/Lab	4	____	__
_____	Creative Arts (AT 110 recommended)	3	____	__
QR	MA 130 Elementary Probability & Statistics* satisfies QR requirement			
Oral Comm	CO 230 Public and Professional Speaking* satisfies Oral Communication requirement			

Electives (14)

		CR	SEM	GR
_____	_____	3	____	__
_____	_____	3	____	__
_____	_____	3	____	__
_____	_____	3	____	__
_____	_____	3	____	__

300/400 Electives (12)

		CR	SEM	GR
_____	_____	3	____	__
_____	_____	3	____	__
_____	_____	3	____	__
_____	_____	3	____	__

* Course is part of Cybersecurity major

Cybersecurity

Business Requirements (15)

		CR	SEM	GR
EC 100 OR	Principles of Macroeconomics	3	____	__
EC 120	Principles of Economics			
AC 230	Intro to Financial Statements	3	____	__
CO 230	Public and Professional Speaking	3	____	__
CO 250	Written Business Communication	3	____	__
MG 300	Organizational Behavior and Change	3	____	__

Math Requirements (6)

		CR	SEM	GR
MA 130	Elem. Prob. & Stats	3	____	__
CS 208	Discrete Math for CS	3	____	__

Criminal Justice/Law/Ethics Requirements (6)

		CR	SEM	GR
PH 211 OR	Ethical Theory & Moral Issues	3	____	__
OL 350	Leadership Ethics			
BU 260	Business Law	3	____	__

Cybersecurity Requirements (27)

		CR	SEM	GR
IS 120	Intro to Business Analytics	3	____	__
CS 135 OR	Intro to Computer Science I	3	SP__	__
IS 221	Programming Fundamentals			
IS 230	Intro to Networks and Telecom	3	FA__	__
IS 240	Foundations of Information Systems	3	____	__
IS 310	Introduction to Info. Security	3	FA__	__
IS 311	IT Infrastructure	3	SP__	__
IS 321	System Analysis and Design	3	FA	__
IS 370	Database Management Systems	3	SP__	__
IS 471	MIS Internship	3	____	__

Cybersecurity Electives (Choose 9 Credits)

		CR	SEM	GR
IS 334	System Administration	3	FA__	__
IS 332	IT Audit and Controls	3	FA__	__
IS 362	IT Security and Risk Management	3	SP__	__
IS 410	Ethical Hacking	3	SP__	__
CS 434	Operating Systems	3	____	__

Other courses may be eligible with approval from the chair