

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 Macrocon or EC 120: Prin of Econ (pre-req: QR course) | | 3 | Every |
| MA 130: Elem. Prob. & Stats, pre-req (MA098 or MA110), or elective | | 3 | Every | MA 130 or 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 (pre-requisite: IS240) | | 3 | Fall | IS 311: IT Infrastructure ³ (pre-requisite: IS240) | | 3 | Spring |
| CO 230: Public & Professional Speaking | | 3 | Every | PH 211: Ethical Theory or OL 350: Leadership Ethics | | 3 | Every |
| BU 260: Business Law (pre-requisite: SO standing) | | 3 | Every | IS 221: Programming Fundamentals or CS 135: Intro to CS ³ | | 3 | Spring |
| CS 208: Discrete Mathematics for Computer Science (pre-requisite: MA130) | | 3 | Fall | CO 250: Written Business Communication (pre-requisite: EN281) | | 3 | Every |
| EN 281: Writing in the Disciplines ³ (pre-requisite: EN181) | | 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 (pre-req: EN181, JR standing) | | 3 | Every | IS 370: Database Application Development ³ (pre-req: IS120, IS240) | | 3 | Spring |
| IS 310: Secure Computing & Cloud Systems (pre-requisite: IS240) | | 3 | Fall | Cybersecurity Elective | | 3 | Every |
| IS 321: Systems Analysis and Design ³ (pre-requisite: IS221 or CS135) | | 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 (pre-requisite: IS240) | | 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.

Student: _____ Advisor _____

Effective Fall 2026

5/19/2026

| University Studies, Distribution & Electives | | | | Cybersecurity | | | | | |
|--|--|-----|-------|--|---|---|----|-------|-----|
| Sequential Requirements (18) | | | | Business Requirements (15) | | | | | |
| | | CR | SEM | GR | | | CR | SEM | GR |
| IN 140 | Millikin Foundations | 3 | _____ | ___ | EC 100 OR | Principles of Macroeconomics (pre-requisite: QR course) | 3 | _____ | ___ |
| EN 181 | University Writing ³ | 3 | _____ | ___ | EC 120 | Principles of Economics (pre-requisite: QR course) | | | |
| EN 281 | Writing in the Disciplines ³ (pre-requisite: EN181) | 3 | _____ | ___ | AC 230 | Intro to Financial Statements | 3 | _____ | ___ |
| _____ | Humanities in the US | 3 | _____ | ___ | CO 230 | Public and Professional Speaking | 3 | _____ | ___ |
| _____ | Social Sciences in the US | 3 | _____ | ___ | CO 250 | Written Business Communication (pre-requisite: EN281) | 3 | _____ | ___ |
| _____ | Global Studies | 3 | _____ | ___ | MG 300 | Organizational Behavior and Change (pre-requisite: EN181, JR standing) | 3 | _____ | ___ |
| Non-Sequential Requirements (13-15) | | | | Math Requirements (6) | | | | | |
| | | CR | SEM | GR | | | CR | SEM | GR |
| International Cultures & Structures (ICS) 6-8 credits: | | | | | | | | | |
| _____ | ICS: | 3/4 | _____ | ___ | MA 130 | Elem. Prob. & Stats | 3 | _____ | ___ |
| _____ | ICS: | 3/4 | _____ | ___ | CS 208 | Discrete Math for CS (pre-requisite: MA130) | 3 | _____ | ___ |
| _____ | 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) | | | | Law/Ethics Requirements (6) | | | | | |
| | | CR | SEM | GR | | | CR | SEM | GR |
| _____ | _____ | 3 | _____ | ___ | PH 211 OR | Ethical Theory & Moral Issues | 3 | _____ | ___ |
| _____ | _____ | 3 | _____ | ___ | OL 350 | Leadership Ethics (pre-requisite: EN281) | | | |
| _____ | _____ | 3 | _____ | ___ | BU 260 | Business Law (pre-requisite: SO standing) | 3 | _____ | ___ |
| _____ | _____ | 3 | _____ | ___ | | | | | |
| _____ | _____ | 3 | _____ | ___ | | | | | |
| 300/400 Electives (12) | | | | Cybersecurity Requirements (27) | | | | | |
| | | CR | SEM | GR | | | CR | SEM | GR |
| _____ | _____ | 3 | _____ | ___ | IS 120 | Intro to Business Analytics (pre-requisite: MA098) | 3 | _____ | ___ |
| _____ | _____ | 3 | _____ | ___ | CS 135 OR | Intro to Computer Science I (pre-requisite: MA130) | 3 | SP__ | ___ |
| _____ | _____ | 3 | _____ | ___ | IS 221 | Programming Fundamentals | | | |
| _____ | _____ | 3 | _____ | ___ | IS 230 | Intro to Networks and Telecom (pre-requisite: IS240) | 3 | FA__ | ___ |
| _____ | _____ | 3 | _____ | ___ | IS 240 | Foundations of Information Systems | 3 | _____ | ___ |
| _____ | _____ | 3 | _____ | ___ | IS 310 | Secure Computing & Cloud Systems (pre-requisite: IS240) | 3 | FA__ | ___ |
| | | | | | IS 311 | IT Infrastructure (pre-requisite: IS240) | 3 | SP__ | ___ |
| | | | | | IS 321 | System Analysis and Design (pre-requisite: IS221 or CS135) | 3 | FA | ___ |
| | | | | | IS 370 | Database Management Systems (pre-requisite: IS120, IS240) | 3 | SP__ | ___ |
| | | | | | IS 471 | MIS Internship (pre-requisite: IS240) | 3 | _____ | ___ |
| | | | | Cybersecurity Electives (Choose 9 Credits) | | | | | |
| | | CR | SEM | GR | | | 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 director | | | | |

* Course is part of Cybersecurity major