MIAMI UNIVERSITY | COLLEGE OF LIBERAL ARTS AND APPLIED SCIENCE

BS: Information Tech: Cybersecurity & Networking

The cybersecurity field is relatively young and rapidly growing. Students have hands-on experience using state-of-the-art simulation labs, attack and defend exercises, and a real-world capstone sequence.

Department of Computer & Information Technology
513-785-3132
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Office of Advising
513-727-3440
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Tutoring and Learning Center (TLC)
513-785-3139
REGTLC@MiamiOH.edu

Career Services & Professional Development
513-727-3390
miamiregionalscareer@MiamiOH.edu

Plan Recommendation Chart

	Hours	Course Number or Related Information
Perspectives Area: Formal Reasoning and Communication	**9**	
Mathematics and Formal Reasoning	3	STA261 Statistics
English Composition	3	ENG111 English Composition (or ENG 109)
Advanced Writing	3	ENG313 Technical Writing
Perspectives Area: Science and Society	**13+**	
Social Sciences #1	3	STC136 Interpersonal Communications
Social Sciences #2	3	POL271 World Politics
Natural Science #1	3	PHY 141 (recommended)
Lab	1+	PHY 103 (recommended)
Natural Science #2	3	Choice
Perspectives Area: Arts and Humanities	**6**	
Creative Arts	3	Choice
Humanities	3	Choice
Perspectives Area: Global Citizenship	**12**	
Ethical Citizenship	3	Choice (SPA 312 American Deaf Culture recommended)
Intercultural Consciousness	3	Choice
Global Inquiry	3	CIT258 Intro to Global Cybersecurity
Intercultural or Global	3	Choice – any Miami Plan Global Inquiry **OR** Intercultural Consciousness
Signature Inquiry	**9**	
Signature Inquiry #1	3	CIT258 Intro to Global Cybersecurity
Signature Inquiry #2	3	Choice (SPA 312 American Deaf Culture recommended)
Signature Inquiry #3	3	Choice (PHY 141 recommended)
Knowledge in Action	**3+**	
Senior Capstone	3	CIT458 IT Project Life Cycle II
Experiential Learning	0+	CIT457 IT Project Life Cycle I

2025-26 IT: Cybersecurity & Networking Plan of Study

Year One

Fall Semester	Hours	Spring Semester	Hours
CIT168 IT Tools & Techniques for Orgs	3	**CIT163** Intro-Computer Programming	3
ENG111 College Composition	3	**CIT181** Networking Fundamentals	3
MTH122 College Algebra or any higher MTH class	3	**CIT214** Database Design & Development	3
PA Humanities	3	**PA** Creative Arts	3
STC136 Intro to Interpersonal Communication	3	**STA261** Statistics or **STA301** applied Statistics	3-4
Total	**15**	**Total**	**15-16**

Year Two

Fall Semester	Hours	Spring Semester	Hours
CIT205 Agile Launchpad I	3	**CIT225** Introduction to DevOps	3
CIT258 Intro to Global Cybersecurity	3	**CIT262** Tech Ethics & Global Society	3
CIT281 Enterprise Network Infrastructure	3	**CIT268** Human Computer Interaction	3
CIT284 Server Installation & Configuration	3	**CIT273** Web Application Development	3
MAJOR Technical Elective	3	**MAJOR** Technical Elective	3
Total	**15**	**Total**	**15**

Year Three

Fall Semester	Hours	Spring Semester	Hours
CIT263 Advanced Topics in Programming	3	**CIT358** IT Assurance & Security	3
CIT348 Info Management & Retrieval	3	**CIT376** IT for Organizations	3
CIT 325 Network Automation	3	**CIT386** Designing/Deploy Sec Networks	3
EGS215 Workplace Writing or **ENG313** Technical Writing	3	**EGS/BIS 305** Integrative Writing in Global Contexts or **EGS319** Medical Writing	3
POL271 World Politics	3	**POL388** Politics of Cybersecurity	3
Total	**15**	**Total**	**15**

Year Four

Fall Semester	Hours	Spring Semester	Hours
CIT448 Global Strategic Issues in IT	3	**CIT458** IT Project Lifecycle II	4
CIT457 IT Project Lifecycle I	3	**CIT480** Advanced Cybersecurity	3
PA Global	3	**PA** Ethical Citizenship and Leadership	3
PA Intercultural Consciousness	3	**PA** Natural Science	3
PHY 141 and PHY 103 Natural Science	4	**SI** Signature Inquiry or **ELECTIVE**	4
Total	**16**	**Total**	**17**

There is a minimum of 124 hours required to graduate

For advising questions, please contact your assigned advisor or Regional Academic Advising at regadvising@MiamiOH.edu or 513-727-3440

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