

DIGITAL FORENSICS AND INCIDENT RESPONSE MAJOR

Cybersecurity, B.S.

Digital Forensics and Incident Response majors will become proficient with the same tools and technology that would typically require years of field experience to obtain. A total of eight lab-based courses will hone their skills in the most current topics in digital forensics investigations. Students will apply progressive learning strategies to master methods required to identify, investigate and perform post-mortem analysis of digital crimes, and will learn current approaches to detect/deter cybercrime and to investigate incidences related to digital crime, including an adept level of understanding of digital forensic tools and techniques needed to investigate emerging cybercrimes. High-performing students will have the opportunity to enter a 4 + 1 program during their senior year.

Additional student learning outcomes for the major in Digital Forensics and Incident Response are:

- Demonstrate an understanding of current approaches to detect and or deter cybercrime, and to investigate incidences related to digital crime activity.
- Demonstrate an understanding of the digital forensic tools and techniques.
- Express an understanding of current issues relating to digital forensics and determine the best practices for attending to them based upon available resources and tools, and the overall needs of the organization.

Code	Title	Hours
<i>University Core</i>		
Behavioral/Social Science Electives		9
BUS 204	Financial Wellness	1
ENG 114	Critical Reading and Response	3
ENG 134	Literary Genres	3
Humanities Electives		9
MAT 120	Statistics	3
Science Electives (lab required)		7
WEL 100	Empowered as Learners and Leaders	3
or WEL 220	Empowered as Learners and Leaders	
WEL 350	Strategies for Career and Personal Growth	2
<i>Major Requirements</i>		
CBY 101	Introduction to Cybersecurity	3
CBY 200	Introduction to Digital Forensics	3
CBY 202	Cyber Governance: Privacy, Ethics, and Digital Rights	3
CBY 220	Cyber Investigations I	3
CBY 225	Intrusion, Incident Response, and Crisis Management	3
CBY 301	Fundamentals of Information Assurance	3
CBY 310	Cyber Investigations II	3
CBY 330	Mobile Technology Analysis I	3
CBY 430	Mobile Technology Analysis II	3
CBY 455	Cybersecurity Capstone	3

COM 111	Fundamentals of Computing Technology	3
CSC 101	Applied Computing	3
CSC 210	Computer Networks and Network Security	3
CSC 297	Programming Languages	3
ENG 124	Research and Writing in the Disciplines	3
<i>General Electives</i>		
General Electives		35
<i>Total Credits Required</i>		120