

CERTIFICATE IN CYBERSECURITY FUNDAMENTALS

Le Moyne College's undergraduate Cybersecurity Fundamentals certificate program is designed to prepare students for internship, part-time, and full-time employment opportunities as an entry-level systems/network security administrator or security risk assessor/manager.

Students graduating from the Le Moyne College undergraduate Cybersecurity Fundamentals certificate program will be able to demonstrate the following skills, knowledge and values:

1. Security administration of networks and systems,
2. Risk assessment and risk mitigation strategies,
3. Response and recovery planning,
4. Communication, interpersonal and team skills.

Program Admission and Application Requirements

Applicants will document their interest in and motivation for pursuing this certificate program. No prior course work at an undergraduate institution is required.

Code	Title	Credit Hours
CYS 167	Introduction to Cybersecurity	
CYS 263	Introduction to Cybersecurity Risk and Protection Strategies	
CYS 269	Introduction to Detection, Response, & Recovery Strategies	
CYS 331	Network Fundamentals, Network Security	
CYS 421	Ethical Hacking and Digital Forensics	

Course	Title	Credit Hours
Year I		
Fall		
CYS 167	Introduction to Cybersecurity	3
	Credit Hours	3
J-Mester		
CYS 263	Introduction to Cybersecurity Risk and Protection Strategies	3
	Credit Hours	3
Spring		
CYS 269	Introduction to Detection, Response, & Recovery Strategies	3
	Credit Hours	3
Summer		
CYS 331	Network Fundamentals, Network Security	3
CYS 421	Ethical Hacking and Digital Forensics	3
	Credit Hours	6
	Total Credit Hours	15