

NETWORKING AND INFORMATION SECURITY CERTIFICATE

This certificate program is focused on the increasingly important area of network security within the broader field of information technology. The coursework includes broader courses like Computer Networks and Network Security, plus more specialized courses on Intrusion Detection, Wireless Security, and Computer Forensics.

Related Programs

Certificate

- Technology Management Certificate (<https://catalog.luc.edu/graduate-professional/graduate-school/arts-sciences/computer-science/-technology-management-graduate-certificate/>)
- Web Programming Certificate (<https://catalog.luc.edu/graduate-professional/graduate-school/arts-sciences/computer-science/web-programming-graduate-certificate/>)

Curriculum

Required Courses

Code	Title	Hours
COMP 447	Intrusion Detection and Computer Forensics	3
<i>Select Two Electives</i>		6
COMP 443	Computer Networks	
COMP 448	Network Security	
COMP 449	Wireless Networking and Security	
COMP 488	Computer Science Topics	
Total Hours		9

Graduate & Professional Standards and Regulations

Students in graduate and professional programs can find their Academic Policies in Graduate and Professional Academic Standards and Regulations (<https://catalog.luc.edu/graduate-professional-academic-standards-regulations/>) under their school. Any additional University Policies supercede school policies.

Learning Outcomes

Outcomes for all Certificate Programs

- Students will have developed new technical skills in the area of their specializations.
- Students will have a better understanding of the domain contexts within which these skills can be applied.
- Students will have acquired a credential and additional knowledge allowing them to advance professionally.
- Students will be prepared to enter a graduate program in the Computer Science Department, with the transfer of certificate credits toward their master's degree.

Outcomes for Networking and Information Security

- Students will be able to manage and address security concerns in networks, including wireless networks.
- Students will acquire the skills to monitor and secure computers and network environments.
- Students will have a fundamental understanding of computer forensics, and be able to design and implement a forensics examination.