IST268C : Cybersecurity Analysis

This course focuses on your ability to proactively capture, monitor, and respond to network traffic findings and emphasizes software and application security, automation, threat hunting, and IT regulatory compliance, which affects the daily work of security analysts. This course covers the most up-to-date core security analyst skills and upcoming job skills used by threat intelligence analysts, application security analysts, compliance analysts, incident responders/handlers, and threat hunters, bringing new techniques for combating threats inside and outside the security operations center.

Attackers have learned to evade traditional signature-based solutions such as firewalls and antivirus software, thus an analytics-based approach within the IT security industry is increasingly important. This course is aligned to CompTIA CySA+ certification and applies behavioral analytics to networks to improve the overall state of security by identifying and combating malware and advanced persistent threats. This results in an enhanced threat visibility across a broad attack surface. It validates an IT professional's ability to proactively defend and continuously improve the security of an organization.

- Leverage intelligence and threat detection techniques.
- Analyze and interpret data.
- Identify and address vulnerabilities.
- Suggest preventative measures.
- Effectively respond to and recover from incidents.

Students enrolled in this course will incur a $99 fee for the CompTIA CertMaster Learn for CompTIA Cybersecurity Analyst (CySA+) (Exam CS0-002) and a $66 fee for the CompTIA Labs for CySA+ (CS0-002).
Credits 3
Lab/Practicum/Clinical Hours 2
Lecture Hours 2
Prerequisites
Students are required to pass prerequisite courses with a grade of C or higher. Exceptions apply; please consult your department chair.
IST265C