

Certificate of Undergraduate Study (CUGS) Cybersecurity

Program Information

The Certificate of Undergraduate Study (CUGS) in Cybersecurity is designed to offer students the opportunity of a specialized study to provide students with experience in key courses of this discipline at the undergraduate level.

Certificate of Undergraduate Study in Cybersecurity 12 s.h.

Students seeking this CUGS will be required to complete a total of 4 courses. One course from the list of required courses must be completed and three courses from the list of electives must be completed. This CUGS is NOT available to Computer Science majors or Computing and Informatics majors.

Required (choose one):	Pre-Reqs	S.H.
CS 01211 Principles of Information Security		3
MIS 02315 Principles of Information Security		3
ECE 09485 Introduction to Engineering Cyber Security		3
CST 03201 Security +		3
Electives (choose three):		
CS 10200 Fundamentals of Network Security	CS 01210 Introduction To Computer Networks And Data Communications	3
CST 03215 Penetration Testing Fundamentals		3
CST 03218 Ethical Hacking Fundamentals		3
CST 03252 Foundations of Computer Forensics		3
CS 10344 Concepts of Computing Technologies	CS 01210 Introduction To Computer Networks And Data Communications or CS 06410 Data Communications And Networking and CS 01211 Principles Of Information Security or CS 07351 Cyber Security: Fundamentals, Principles and Applications	3
MIS 02318 Information Systems Risk Management		3
CST 03410 Cyber Defense		3
CST 03315 Advanced Penetration Testing	CST 03215 - Penetration Testing Fundamentals	3
CST 03418 Advanced Topics in Ethical Hacking	CST 03218 - Ethical Hacking Fundamentals	3
CST 03253 Applications for Digital Forensics	CST 03252 - Foundations of Computer Forensics	3
CST 03352 Digital Incident Handling		3
CST 03452 Advanced Digital Forensics Investigation	CST 03253 - Applications for Digital Forensics	3
CST 03270 Introduction to Intrusion Detection		3
CST 03370 IDS/IPS Administration	CST 03270 - Introduction to Intrusion Detection	3
CST 03372 Knowledge Management of IDS/IPS	CST 03270 - Introduction to Intrusion Detection	3
CST 03472 IDS/IPS for Cloud	CST 03270 - Introduction to Intrusion Detection	3