

Cybersecurity Certificate in Applied Science

This program is designed to help students learn core knowledge required of any cybersecurity role and provides a springboard to intermediate-level cybersecurity jobs. Topics covered in this Cybersecurity Certificate program include penetration testing, ethical hacking, security analyst, forensic investigator, and secure web programming. Students will prepare for industry certification exams including Security+, Pentest+, Certified Ethical Hacker, Cybersecurity Analyst+, Advanced Security Practitioner, and Computer Hacking Forensic Investigator while participating in this Cybersecurity Certificate program.

FIRST SEMESTER		HOURS
<i>CPT 257</i>	Operating Systems	3
<i>IST 220</i>	Data Communications	3
	Total Semester Hours	6
SECOND SEMESTER		
<i>IST 110</i>	Introduction to Cyberspace and Cybersecurity	3
<i>IST 190</i>	LINUX Essentials	3
<i>IST 266</i>	Internet and Firewall Security	3
	Total Semester Hours	9
THIRD SEMESTER		
<i>IST 267</i>	Network Vulnerability Assessment	3
<i>IST 291</i>	Fundamentals of Network Security	3
<i>IST 293</i>	IT and Data Assurance I	3
	Total Semester Hours	9
FOURTH SEMESTER		
<i>IST 292</i>	Fundamentals of Network Security II	3
<i>IST 294</i>	IT and Data Assurance II	3
Select one of the following Technical Electives:		3
<i>IST 257</i>	LAN Network Server Technologies	
<i>IST 191</i>	LINUX Administration	