

Advanced Network Security Certificate in Computer Technology

Entrance Requirements:

- The pre-requisites may be met by completing the Microsoft Network Technician certificate or the Associate Degree in Computer Technology/Network Administration program.
- Students gaining entry based upon work experience must have their work experience documentation validated/approved by the department head for admittance approval.

Type of Program:

Day, night, and/or online

Type of Degree:

Certificate

- This is an advanced certificate program designed to provide comprehensive and in-depth training in network security. Topics include computer security, hardening network operating systems, implementing and administering a network security infrastructure, identifying and preventing network attacks, conducting vulnerability assessments, and implementing security management practices. The courses in this program will prepare students to take security certification exams to include CISCO Security Professional (CSP) and CompTIA Security+.
- This program requires a minimum grade of "C" in all courses.
- Courses in this program are offered day, night, and/or online.
- Online courses have mandatory on-campus lab requirements.
- A competency test may be required to waive prerequisite CPT/IST courses where equivalent transfer credits or documented work experience do not exist.

Recommended Program Schedule

First Semester

IST 190	Linux Essentials	3.0
IST 201	Cisco Internetworking Concepts	3.0
IST 202	CISCO Router Configuration	3.0

Second Semester

IST 191	Linux System Administration	3.0
IST 293	IT and Data Assurance I	3.0
IST 203	Advanced CISCO Router Configuration	3.0
IST 204	Cisco Troubleshooting	3.0

Third Semester

IST 192	Linux Network Applications	3.0
IST 291	Fundamentals of Network Security I	3.0
IST 292	Fundamentals of Network Security II	3.0

Fourth Semester

IST 193	Linux Security Administration	3.0
IST 267	Network Vulnerability Assessment	3.0
IST 268	Computer Forensics	3.0

Total credit hours **39.0**