

IST 263C : Network Security

Gives students the skills needed to identify and resolve computer and network security issues. The course will provide students an introduction to firewalls and other network security components that can be used to work together to create an in-depth defensive perimeter around a local area network (LAN). Students will learn how to identify threats, plan and design firewalls, develop a security policy, configure routers, workstations, servers, switches, and firewall equipment for various packet-filtering and security measures, create user authentication policies and methods, design and set up VPNs; and maintain and troubleshoot these systems.

Credits 3

Lab/Practicum/Clinical Hours 2

Lecture Hours 2

Learning Outcomes

- Understand network security and the threats associated with it.
- Manage authentication and authorization.
- Design and set up remote access systems.
- Understand the hardware and software associated with network security.
- Troubleshoot network issues.