

ITSEC-145: Perimeter Security

Course Description:

This course covers the elements of security dealing with the perimeter. This primarily includes firewalls, IDS/IPS, proxy servers, etc. The focus of this class in addition to general functionality of firewall is the Palo Alto firewall. The class will be made up of online video lectures, labs, discussion, and will require access to Netlabs and Palo alto documentations that will be supplied by the instructor, along with other homework as assigned.

Credits: 3 credits

Pre-requisite Courses: ITNET-131, or ITNET-101 and ITSEC-124 are recommended

Total Credits: 3.00

Course Competencies

1. Define the perimeter incorporating current networking realities.
2. Determine the purpose of the firewall and how it incorporates into a security policy.
3. Identify different firewall strategies and architectures.
4. Define VPN and how to choose the right tunneling protocols for a VPN

A Portfolio with documented work experience in a professional technical environment must be current or have ended with in the last 2 years. Applicant will provide a portfolio establishing experience in the following criteria areas.

1. Effective Problem Solving
2. Demonstration of Technical Competency matching the course competencies

Employment authentication must be part of the verification criteria.