

ITSEC-148: Securing Wireless Devices and Networks

Course Description:

Students learn wireless network fundamentals and physical layer standards to build and secure WLAN; to install, configure and manage different wireless Access Points. Configure security and network security settings, and troubleshooting. Devices such as PDAs, wireless cameras and other cutting-edge technologies will be explored. MATC strongly recommends that students complete ITSEC-124, or have the equivalent skills, prior to enrollment in this course.

Credits: 3 credits

Pre-requisite Courses: MATC strongly recommends that students complete ITSEC-124, or have the equivalent skills, prior to enrollment in this course.

Course Competencies

- 1.** Investigate enterprise 802.11-layer 2 authentication methods.
- 2.** Identify wireless security risks.
- 3.** Conduct wireless LAN security auditing
- 4.** Describe wireless security monitoring Implement VPNs, remote access and guest access services.
- 5.** Identify WLAN security infrastructure

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. Effective Problem Solving, Demonstration of Technical Competency matching the course competencies, and Employment Authentication.