

## **ESTOL313 – Principles of IP Networking**

The Principles of IP Networking course is designed to introduce attendees to the protocols, equipment, and installation of small home and office networks. This course is appropriate for the beginner and more advanced attendees looking to increase their network knowledge base.

Topics include:

- Historical reflection of the past and present applications for computer networks
- An understanding of common network protocols such as TCP/IP, DHCP, SMTP, and NAT
- Selecting, installing and configuring a consumer router for wired and wireless environments
- Understanding and managing security threats to networks
- Creating and implementing IP addressing schemes for connected network devices (computers, AV, lighting and control, etc.)
- A review of additional technician and design courses that further network knowledge for installers and designers

Recommended prerequisites:

EST302 Voice and Data Systems