

Assignment Wireless

For this Assignment, you will complete several Tutorials from “Professor Messer” at:

<http://www.professormesser.com/>

This Assignment consists of question sets based upon several tutorials.

Network Types	DSL, cable, satellite, fiber and Bluetooth networks are all discussed here.
Wireless Networking	802.11 wireless networking and related wireless standards are presented here.

Table 1 *Professor Messer Tutorials*

Question Sets Instructions

These questions, organized by tutorial, are meant to serve as a guide for your studies. Please complete each of the question sets, name the files appropriately, and post them to your online portfolio.

It is suggested that you view each of the tutorials. However, if you would like to challenge the tutorials and just complete the questions, as long as you complete the questions correctly, that is also an acceptable option.

Please complete and post the assignment by exam date.

Question Set 1: 4.3 – Network Types

<http://www.professormesser.com/free-a-plus-training/220-701/network-types/>

1. What high speed type of network runs over telephone lines?
2. What type of high speed network runs over coax cable?
3. Of the popular types of home high speed networks utilizes non-terrestrial networks that typically have a high latency?

Part2

1. What was Bluetooth originally designed to replace?
2. What type of network would Bluetooth create?

Question Set 2: 4.3 – Wireless Networking

<http://www.professormesser.com/free-a-plus-training/220-701/wireless-networking/>

1. What is the IEEE family of standards for wireless networking?
2. How do the different members of the 802.11 family differ?
3. Which 802.11 standard utilizes MIMO?
4. Which 802.11 standard represents an improvement, and backwards compatibility, with 802.11b?

Part 2

1. What was the original encryption utilized by 802.11?
2. When were WEP cryptographic vulnerabilities identified?
3. What type of encryption was created to improve on WEP but utilize the same hardware?
4. What type of wireless encryption is based on the Advanced Encryption Standard (AES)?

Part 3

1. In wireless networking, what is an SSID?
2. Disabling SSID broadcast is an important security configuration.
3. What is the general security term used to describe the disabling of SSID broadcast?
4. Can MAC addresses be spoofed?
5. What wireless networking standard supports speeds up to 600 megabits per second?