

## CONTINUING EDUCATION

### COURSE OUTLINE – Network Security Scenarios

**INSTRUCTOR:** N/A

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**PREREQUISITE(S):** This course requires a basic understanding of IT concepts.

**REQUIRED TEXT/RESOURCE MATERIALS:**

Course materials are included.

**CALENDAR DESCRIPTION:**

This course examines communications and network security. It covers the different types of networks and different transmission technologies and the two main models that govern how networks work, the OSI model and the TCP/IP model, and their related layers. This course also features a number of fictional scenarios that will help you apply what you've learned to situations you may encounter in the real world.

**CONTACT HOURS:** 5 hours

**CEUs:** 0.5

**PDU:** 5

**DELIVERY MODE:** Online self-paced

**TRANSFERABILITY:** N/A

**GRADING CRITERIA:**

Upon successful completion of the course, you will receive a Certificate of Completion.

**EVALUATIONS:** Learners must achieve an average test score of at least 70% to meet the minimum successful completion requirement and qualify to receive IACET CEUs.

The following list outlines the PDUs you will earn for completing this course, based on the certification you have.

<b>Designation</b>	<b>Technical</b>	<b>Leadership</b>	<b>Strategic/Business</b>	<b>TOTAL</b>
PMP®/PgMP®	4.5	0	0.5	5
PMI-RMP®	4.5	0	0.5	5
PMI-SP®	0	0	0.5	0.5
PMI-ACP®	4.5	0	0.5	5
PfMP®	0	0	0.5	0.5
PMI-PBA®	0	0	0.5	0.5

**STUDENT RESPONSIBILITIES:** Completion of any practice lessons, quizzes, assignments, or tests.

**COURSE SCHEDULE/TENTATIVE TIMELINE:**

Dates vary (refer to website for current availability).

**LEARNING OUTCOMES:**

Upon successful completion of this course, learners will be able to:

- Discuss the general concepts that enable networking and its role in information technology
- Compare the different types of networks, including LANs, WANs, and MANs, as well as the Internet, intranets, and extranets
- Explain what the Open Systems Interconnection (OSI) Reference Model is and identify its seven layers
- Contrast the OSI model with the TCP/IP Model
- Identify common protocols and differentiate among network, routing, and data link protocols
- Describe the functions of common networking devices, including bridges, routers, hubs, repeaters, switches, and firewalls
- Discuss how wireless networks work and the technology that enables them
- Identify common network attacks and how they can be prevented
- Analyze a real-world scenario and make appropriate recommendations to address and improve network security