

CONTINUING EDUCATION

COURSE OUTLINE – Cloud Infrastructure and Platform Security

INSTRUCTOR: N/A

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PREREQUISITE(S): None

REQUIRED TEXT/RESOURCE MATERIALS:

Course materials are included.

CALENDAR DESCRIPTION:

This course is comprised of two modules. The first addresses many of the challenges for both cloud consumers and cloud service providers in securing the infrastructure and platforms used in cloud computing. The second module offers a series of real-world scenarios designed to give learners a sense for how the concepts might be applied in their everyday work. This course is designed for IT professionals and other adult learners who have some knowledge of internet-related technology.

This course follows the structure of the (ISC)2 Certified Cloud Computing Professional certification. While it is intended as a part of a five-course suite, it can be taken as a stand-alone course.

CONTACT HOURS: 5 hours

CEUs: 0.5

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 a test score of at least 70% to meet the minimum successful completion requirement and qualify to receive IACET CEUs.

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:

- Identify the three main components of the Cloud Infrastructure
- Recognize the seven layers of the Open Systems Interconnection model and how each cloud service category relates to them
- Describe various controls available in securing the cloud infrastructure
- Explain the role of identity and access management in cloud computing as well as understanding how different technologies work
- Understand the role of Business Continuity in ensuring the security of the cloud infrastructure and platforms
- Apply what you have learned to real-world scenarios involving cybersecurity and cloud computing