

## CONTINUING EDUCATION

### COURSE OUTLINE – A Manager’s Guide to Cloud Computing and Cybersecurity

**INSTRUCTOR:** N/A

**PHONE:** 780-539-2975

**OFFICE:** M105

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**PREREQUISITE(S):** None

**REQUIRED TEXT/RESOURCE MATERIALS:**

Course materials are included.

**CALENDAR DESCRIPTION:**

This course provides an overview of cloud computing and the business and security considerations of transitioning to a cloud environment or from one cloud service provider to another. The course is presented in two modules. In addition to providing information that aligns with industry standard content from the Cloud Security Alliance, this course also includes a module that presents different real-world scenarios to learners, asking them to apply what they have learned to situations they might encounter in the workplace.

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

**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 a 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®	1	3	1	5
PMI-RMP®	0.75	3	1	4.75
PMI-SP®	0	3	1	4
PMI-ACP®	0	3	1	4
PfMP®	0	3	1	4
PMI-PBA®	0	3	1	4

**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:

- Recognize the differences between cloud-based and traditional computing environments
- Identify the three major service categories of cloud computing and how they apply to different business needs
- List the different actors and roles in cloud-computing
- Understand the need for cybersecurity and its role in cloud computing
- Describe the different technologies that comprise cloud computing
- Explain the concepts behind cryptography and how it is used to provide confidentiality, integrity, and availability in information systems
- Provide an overview of the threats and vulnerabilities facing cloud computing and how to mitigate them