ContinuingEducation GPRC

CONTINUING EDUCATION

COURSE OUTLINE – Cloud Operations Security

INSTRUCTOR:	N/A	**PHONE:**	780-539-2975
OFFICE:	M105	**E-MAIL:**	ce@gprc.ab.ca

PREREQUISITE(S): This course is designed for IT professionals and other adult learners who have some knowledge of internet-related technology.

REQUIRED TEXT/RESOURCE MATERIALS:
Course materials are included.

CALENDAR DESCRIPTION:
This course begins by covering security issues with regard to operating cloud services. While it covers many aspects relevant to a cloud service provider, it should be particularly valuable to helping cloud consumers understand how security responsibilities may be divided between consumer and provider. The second module engages the learner with real-world scenarios that represent the challenges to securing cloud operations.

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 considerations choosing data center site
- Explain ways to implement physical security
- Describe the various considerations for securing hardware and networking resources
- Understand the vulnerabilities and mitigation strategies for securing the management plane of a cloud facility
- Describe the steps involved in creating a business continuity plan for a data center
- Explain the role and requirements of forensics in a cloud facility
- Apply what you have learned to real-world scenarios involving cybersecurity and cloud computing