Advanced Cloud Computing

PEIMS Code: N1302813

Abbreviation: ADCLDCMP

Grade Level(s): 10–12

Award of Credit: 1.0

- Districts must have local board approval to implement innovative courses.

- In accordance with Texas Administrative Code (TAC) §74.27, school districts must provide instruction in all essential knowledge and skills identified in this innovative course.

- Innovative courses may only satisfy elective credit toward graduation requirements.

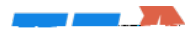- Please refer to TAC §74.13 for guidance on endorsements.

The Advanced Cloud Computing course is an exploration of cloud computing. Upon completion of the course, students are prepared to sit for cloud computing industry-based certifications. In this course, students explore cloud computing services, applications, and use cases. Students dive deeply into cloud computing best practices and learn how cloud computing helps users develop a global infrastructure to support use case at scale while also developing and inventin anr ante cco.

a global infrastructure to support use case at scale while also developing and inventing innovative technologies.

 (4) Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations.

 (5) Statements that contain the word "including" reference content that must be mastered, while those containing the phrase "such as" are intended as possible illustrative examples.

(c) Knowledge and Skills.

(I)

(A) describe the shared responsibility security model;

(B) determine security responsibility for cloud resources;

(C) analyze how the shared security model accounts for common threats to the cloud computing model;

(D) list the steps required to resolve an automated security alert;

(E) ░░░

- Vocational Trades and Industry. This assignment requires appropriate work approval.
- Computer Science: Grades 8-12.
- Secondary Computer Information Systems (Grades 6-12).

Access to self-paced learning content through cloud providers, e.g.:

- o AWS Academy Introduction to Cloud (Semesters I & II) (free)
- o AWS Academy Cloud Foundations (free)
- o AWS Cloud Practitioner Essentials (free)