

Montgomery County Community College
 CIS 205
 AWS Cloud Practitioner
 3-2-2

COURSE DESCRIPTION:

This course is designed to develop a fundamental understanding of the AWS cloud computing platform independent of any specific technical role. Course topics include AWS Cloud concepts, core AWS services, security, architecture, database concepts, pricing, and support to build your AWS Cloud knowledge. This course will help students prepare for the AWS Certified Cloud Practitioner exam.

PREREQUISITE(S):

CIS 166: Introduction to Cloud Computing
 CIS 111: CS1: Programming and Concepts
 CIS 170: Introduction to Networking

LEARNING OUTCOMES:

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

LEARNING OUTCOMES	LEARNING ACTIVITIES	EVALUATION METHODS
1. Explain key definitions and concepts of the AWS Cloud computing model.	Lecture/Discussion Homework Assignments Assigned readings	Discussion/Questions Projects Tests/Quizzes
2. Analyze the financial benefits of the AWS Cloud for your management.	Lecture/Discussion Homework Assignments Assigned readings	Discussion/Questions Projects Tests/Quizzes
3. Explain the AWS Well-Architected Framework and Shared Responsibility Model.	Lecture/Discussion Homework Assignments Assigned readings	Discussion/Questions Projects Tests/Quizzes
4. Describe examples of the core AWS services, including compute, network, database, and storage services.	Lecture/Discussion Homework Assignments Research Assigned readings	Discussion/Questions Research presentations Tests/Quizzes
5. Utilize AWS tools to configure and monitor Cloud resources.	Lecture/Discussion Homework Assignments Assigned readings	Hands-on lab simulations Projects Tests/Quizzes

