Overview

Automation and Scaling Tools examines the skills and knowledge needed to effectively write scripts for tools to monitor system and network resources. Through practical application in labs, students will gain hands-on experience for planning, deploying, and maintaining scalable and elastic design, system monitoring, and performance tuning solutions. Students will learn how to identify common constraints and performance considerations, configure monitoring tools to efficiently balance system resources for a given environment, and ensure appropriate systematic response. This course provides students authentic learning opportunities for high-demand skills related to system automation and scaling.

Competencies

- **Design Automation and Scaling Solutions**
  The graduate designs automation and scaling solutions to address business requirements.

- **Implement Server Scripts for Services**
  The graduate implements server scripts for the automation and scaling of services.

- **Evaluate Operational Performance**
  The graduate evaluates operational performance of automation and scaling service solutions in a sandbox environment.

Learning

**Getting Started**

Welcome to Automation and Scaling Tools. This course employs the uCertify learning platform which contains all of the necessary reading materials, knowledge checks, labs, and videos needed to check your knowledge as you progress through the content.

For the best understanding of the course content, complete each lesson. To help you track your progress, we suggest you follow the pacing guide identified at the beginning of the course.

This is an upper-division course, and it is recommended that you complete the following courses before beginning this course:

- Scripting and Automation (Powershell; C916)
- Software Engineering (C188)
- Cloud Deployment and Operations (C924)
Select the 'Go to Course Materials' button to begin.

GO TO COURSE MATERIAL

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COURSE INSTRUCTOR

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Course Instructor Responsibility

How to Work with Course Instructors

ANNOUNCEMENTS

COURSE TIPS

COURSE SEARCH

COURSE CHATTER