

# NETWORK AND SYSTEM ADMINISTRATION: CLOUD COMPUTING - SPECIALIZED CERTIFICATE (SC)\*

Explore More About This Program: <https://cwi.edu/program/network-and-system-administration>

## Program Learning Outcomes

Upon successful completion of this program, students will be able to:

- Describe various cloud models and evaluate business need and applicability.
- Develop strategies for deployment of a cloud infrastructure and troubleshoot and document changes to systems.
- Examine the Windows PowerShell structured language and develop strategies to deploy changes to business infrastructure and output reports for management.
- Analyze the Microsoft model for cloud services and develop strategies for deploying and securing those cloud services.
- Examine the various Azure service level agreements (SLAs), trust roles, and authentication models to meet business needs for cloud models.
- Explain strategies to manage Azure accounts, groups, resources, and storage.
- Examine methods and processes for container orchestration, load balancing, and managing security and performance logs for optimization of the chosen cloud implementation.
- Plan and implement a migration strategy for a cloud-based email system that includes remote authentication and mobile support.
- Develop strategies to manage data access, retention policies, backup plans, and data loss prevention.