

# CLOUD, SECURITY, AND SYSTEM ADMINISTRATION - ADVANCED TECHNICAL CERTIFICATE (ATC)

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

## Certificate Quick Facts

- **Instructional School:** Science, Technology, and Math
- **Department:** Information Technology
- **Program Code:** NADM.ATC
- **Program Type:** Career and Technical Education
- **Available Fully Online:** No
- **Eligible for Federal Financial Aid:** Yes

NOTE: Courses required for this program *may* have an additional fee; more information can be found on the [Special Course Fees](#) web page.

## Certificate Requirements

Course	Course Title	Min Credits
<b>General Education Requirements</b>		
Select one of the following:		3
<a href="#">GEM 1 - Written Communication course</a>		
<a href="#">GEM 2 - Oral Communication course</a>		
<a href="#">GEM 3 - Mathematical Ways of Knowing course</a>		3
<a href="#">GEM 6 - Social &amp; Behavioral Ways of Knowing course</a>		3
<b>Major Requirements</b>		
CSSA 141	Fundamentals of Windows Operating System	3
CSSA 143	Network Services	3
CSSA 145	Network Design and Security	3
CSSA 147	Network Fundamentals and Certification	3
CSSA 155	Network Server Management	4
CSSA 157	Linux System Administration	4
CSSA 159	Security	4
CSSA 261	Server Hybrid Infrastructure	4
CSSA 263	Server Hybrid Advanced Services	4
CSSA 266	Database Administration	4
CSSA 268	PowerShell and Certification	4
CSSA 264	Email Systems	4
CSSA 271	Virtualization Technologies	4
<b>Minimum Credit Hours Required</b>		<b>57</b>