

Information Technology, CAS

Microsoft Certified Solutions Associate – Concentration

Academic Year 2024-2025

Program Description:

This certificate offers training that prepares individuals to install, configure, and operate a hybrid Microsoft Windows Server environment for small to medium organizations. Certified professors offer real-world knowledge and hands-on labs to prepare students for the industry-standard certifications. Students will take courses preparing them for the following certifications:

- Microsoft's Windows Server Hybrid Administrator Associate
- Microsoft's Azure Fundamentals

Career Outlook:

For the most current information, please refer to the Bureau of Labor Statistics "Occupational Outlook Handbook" found at www.bls.gov/ooh/.

Salary Forecast:

For the most current salary information, please refer to the Bureau of Labor Statistics "Occupational Outlook Handbook" found at www.bls.gov/ooh/.

Employment Opportunities:

- Network administrator
- Network engineer
- Systems support technician
- Network designer
- Network security systems designer

Program Admission Requirements:

The college adheres to an open admission policy which means applicants with a high school diploma or a GED are eligible for admission. Applicants with neither a high school diploma nor a GED may be admitted on a conditional basis.

Career Description:

Network and cloud systems administrators secure, maintain, and troubleshoot on-premises computer and cloud networks, which are groups of computers sharing information. Organizations employ network administrators to ensure their networks operate efficiently and meet business requirements. A cloud system administrator develops, maintains and troubleshoots the network connections of cloud computing resources. This concentration prepares you to handle both the on-premises and cloud duties required by an organization.

Contact Information:

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Information Technology Major Code • Microsoft Certified Solution Associate – CI32

Name:

ID Number 942-

Educational Counselor:

Faculty Advisor:

COURSE	REQUIREMENTS	SEM	HRS	GR	SUBSTITUTE/REPEAT CRS	SEM	CR
ENL 131	Business and Technical Writing ¹		3				
IT 120	Network Operating Systems		3				
IT 210	Networking Administration I ^{2,3}		3				
IT 211	Networking Administration II ³		3				
IT 216	Networking Administration III ³		3				
IT 217	Networking Administration IV ³		3				
IT 219 or IT 225	Networking Administration V ⁵ Fundamentals of Wireless Technology		3				
IT 230 or IT 270	Network Communications or Computer Essentials & Applications ⁶		3				
IT 224 or IT 293	Fundamentals of Network Security ⁶ or Networking Practicum ⁷		3				
MAT 120	Applied Professional Math ⁸		3				
	Hours Required for Graduation		30				

¹ ENL 131 has a prerequisite of placement in 100-level English or a co-requisite of ENL 095. Students must earn a "C" or better in ENL 101 to graduate. ² IT 210 has a prerequisite of IT 120 or permission.

³ IT 210, 211, 216, and IT 217, must be taken concurrently. These classes cannot be taken individually.

⁴ IT 219 has prerequisite of IT 217, and a co-requisites of IT 222 and IT 223.

⁶ IT 224 and 270 have a prerequisite of IT 101 or 102.

⁷ IT 293 has a prerequisite of IT 210.

⁸ MAT 120 has a prerequisite of placement in 100-level Math or a minimum ACT Math score of 19 or SAT Math score of 510.