

Information Technology, CAS

Microsoft Certified System Expert – Concentration

Academic Year 2024-2025

Program Description:

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

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

Career Outlook and 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 systems 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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Mountwest empowers students to learn and lead in the community and in the workforce.

Microsoft Certified System Expert Code – CM60

Name:					ID Number 942-		
Educational Counselor:							
Faculty Advisor:							
COURSE	REQUIREMENTS	SEM	HRS	GR	SUBSTITUTE/REPEAT CRS	SEM	CR
ENL 131	Written Communication ¹		3				
IT 210	Networking Administration I ^{2,3,4}		3				
IT 211	Networking Administration II ^{2,4}		3				
IT 216	Networking Administration III ^{2,4}		3				
IT 217	Networking Administration IV ^{2,4}		3				
			15				
IT 219	Networking Administration V ^{5,6,7}		3				
IT 222	Networking Administration VI ^{5,7}		3				
IT 223	Networking Administration VII ^{5,7}		3				
IT 224	Fundamentals of Network Security ^{7,8}		3				
MAT 120	Applied Professional Math		3				
			15				
Hours Required for Graduation: 30							

¹ ENL 131 has a prerequisite of placement in 100-level English or a co-requisite of ENL 095.

² IT 210, IT 211, IT 216 and IT 217 must be taken concurrently. These classes cannot be taken individually.

³ IT 210 has a prerequisite of IT 120 or permission.

⁴ IT 210, IT 211, IT 216, and IT 217 are offered fall semesters only.

⁵ IT 219 has a prerequisite of IT 217.

⁷ IT 219, IT 222, IT 223, and IT 224 are offered spring semester only.

⁸ IT 224 has a prerequisite of IT 101 or IT 102.

⁹ 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.