

Microsoft Certified Solution Expert, CAS

Academic Year 2026-2027

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:

Patrick Smith

Room 209

Phone: 304-710-3398 or 1-866-N-ROLLED (1-866-676-5533)

E-mail: smith288@mctc.edu

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	Business and Technical Writing 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}		3				
IT 222	Networking Administration VI ^{5,6}		3				
IT 223	Networking Administration VII ^{5,6}		3				
IT 224	Fundamentals of Network Security ^{6,7}		3				
MAT 120	Applied Professional Math ⁸		3				
			15				
Hours Required for Graduation:			30				

¹ ENL 131 has a prerequisite of ACT 18, SAT 480, Accuplacer 250-300, or be placed in ENL 131E.

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.

⁶ IT 219, IT 222, IT 223, and IT 224 are offered spring semester only.

⁷ IT 224 has a prerequisite of IT 101, IT 102, or IT 170.

⁸ MAT 120 has a prerequisite of a minimum ACT Math score of 19, SAT Math score of 510, or Accuplacer 250, or be placed in MAT 120E.