

# Information Technology CP

## Microsoft Certified Solutions Expert – Concentration

Career & Technical Division

### Program Description:

As a leading Microsoft IT Academy, Mountwest Community & Technical College offers the Network Systems Administration option to help prepare students for the Microsoft Certified Solutions Expert (MCSE) Certification examinations. The curriculum and course materials are designed by Microsoft, and the College's instructors are Microsoft Certified Solutions Experts (MCSE) with industry experience that take a personal interest in mentoring students through every step of the certification process.

### Career Outlook:

The U.S. Department of Labor – Bureau of Labor Statistics states that computer-related jobs (IT) hold numerous positions within the Top-20 Fastest Growing Occupations in the country. Additionally, IT jobs are reported to have the highest earning of any of the occupations in the list.

Computer occupations are expected to be some of the fastest growing in the U.S. economy and will account for 5 out of the 20 fastest growing occupations over the next decade through 2015. Employment growth will be driven by the increasing reliance of businesses on information technology and the continuing importance of maintaining system and network security. In addition to high growth rates, computer and healthcare occupations combined will add more than 1.5 million new jobs. High growth rates among computer occupations reflect projected rapid growth in the computer and data processing industries.

Management, scientific and technical consulting services will grow very rapidly, by 55.4%, spurred by the increased use of new technology and the growing complexity of business.

### 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/](http://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:

The Microsoft Certified Solutions Expert (MCSE) credential is the premier certification for professionals who analyze the business requirements and design and implement the infrastructure for business solutions based on the Microsoft Windows platform and Microsoft Server software. It is one of the most widely recognized and sought after technical certifications in the IT industry demonstrating to employers, clients and colleagues that an individual has achieved expertise in the area in Information Technology.

### Contact Information:

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*Our mission is to prepare students for careers, civic responsibility and life-long learning.*

**Microsoft Certified System Expert Code<sup>1</sup> – CM60**

<b>Name:</b>					<b>ID Number 942-</b>		
<b>CAPS SCORES:</b>		<b>MATH:</b>	<b>ENGLISH:</b>	<b>READ:</b>	<b>DOE:</b>		
<b>COL 101 Faculty:</b>							
<b>Educational Counselor:</b>							
<b>Faculty Advisor:</b>							

**COURSE REQUIRED**

COURSE	REQUIREMENTS	SEM	HRS	GR	SUBSTITUTE/REPEAT CRS	SEM	CR
ENL 111	Written Communication <sup>1</sup>		3				
IT 210	Networking Administration I <sup>2,3,4</sup>		3				
IT 211	Networking Administration II <sup>2,4</sup>		3				
IT 216	Networking Administration III <sup>2,4</sup>		3				
IT 217	Networking Administration IV <sup>2,4</sup>		3				
IT 219	Networking Administration V <sup>5,6,7</sup>		3				
IT 222	Networking Administration VI <sup>5,7</sup>		3				
IT 223	Networking Administration VII <sup>5,7</sup>		3				
IT 224	Fundamentals of Network Security <sup>7,8</sup>		3				
	Approved Math Elective <sup>9</sup>		3				

**DEVELOPMENTAL COURSES REQUIRED**

COURSE	REQUIREMENTS	SEM	HRS	GR	SUBSTITUTE/REPEAT CRS	SEM	CR
	Hours Required for Graduation: 30						

**Earn A Degree Graduate Early (EDGE):**

This program provides students the opportunity to receive credit for their high school EDGE courses.

- <sup>1</sup> ENL 111 has a prerequisite of placement in 100-level English, and placement in 100-level reading.
- <sup>2</sup> IT 210, IT 211, IT 216 and IT 217 must be taken concurrently. These classes cannot be taken individually.
- <sup>3</sup> IT 210 has a prerequisite of IT 120 or permission.
- <sup>4</sup> IT 210, IT 211, IT 216, and IT 217 are offered fall semesters only.
- <sup>5</sup> IT 219 has a prerequisite of IT 217.
- <sup>7</sup> IT 219, IT 222, IT 223, and IT 224 are offered spring semester only.
- <sup>8</sup> IT 224 has a prerequisite of IT 101 or IT 102.
- <sup>9</sup> Choose from any 100-level or above Mathematics course.

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