

# COMPUTER INFORMATION SYSTEMS SYSTEM ADMINISTRATION SPECIALIST

**Business Division**

**2019-2020**

The associate of applied science degree with specialization as a system administration specialist is designed to train students in LAN, Windows Server networking, hardware maintenance, data communication concepts, various PC operating systems and administration fundamentals.

**Career Opportunities**

Graduates of this program will potentially be prepared for entry-level employment as:

- Computer system administrators
- Network administrators
- Network operating system specialists
- System/software administrators

For more information, please visit <http://www.bls.gov/ooh/computer-and-information-technology/network-and-computer-systems-administrators.htm> on the Bureau of Labor Statistics website.

**Transfer Information**

For information regarding transfer opportunities for this or any program, please visit the Transfer section of the MCCC website.

**Note: The following codes identify courses that satisfy MCCC's General Education Requirements:**  
 (C1) GE Natural Sciences Competency  
 (C2) GE Mathematics Competency  
 (C3) GE Writing Competency  
 (C4) GE Computer Literacy Competency  
 (C5) GE Human Experience Competency  
 (C6) GE Social Systems Competency



<b>Required General Education Courses</b>	<b>Credits</b>
	<b>19-20</b>
C1 Natural Science Competency . . . . .	4
C2 Mathematics Competency* . . . . .	3 or 4
C3 ENGL 151 (English Composition I) . . . . .	3
C4 CIS 130 (Introduction to Computer Information Systems) . . . . .	3
C5 Expressions of the Human Experience Competency . . . . .	3
C6 Social Systems Competency . . . . .	3

\* **MATH 126 (Mathematics for Business)** is recommended for students whose goal is to complete the AAS degree and seek employment. **MATH 151 (Intermediate Algebra)** or higher is recommended for students interested in transferring.

See the General Education Requirements on the MCCC website for a list of courses that satisfy the General Education Learning Competencies.

<b>Required Core Courses</b>	<b>13</b>
CIS 130 (Introduction to Computer Information Systems) . . . . .	C4
CIS 208 (PC Operating Systems) . . . . .	3
CIS 209 (Network Concepts) . . . . .	3
CIS 220 (Hardware Maintenance) . . . . .	4
IAS 103 (Information Security Principles) . . . . .	3

<b>System Administration Concentration</b>	<b>19-20</b>
CIS 135 (Scripting Language Programming) . . . . .	3-4
or CIS 150** (Computer Science I) . . . . .	3-4
CIS 140 (Help Desk Concepts) . . . . .	3
CIS 205 (Systems Analysis & Design) . . . . .	3
CIS 228 (Linux Administration) . . . . .	3
CIS 230 (Windows Server) . . . . .	3
CIS 234 (Advanced Windows Server) . . . . .	4

<b>General Elective Courses</b>	<b>7-9</b>
<i>(as required to complete 60 hours)</i>	

<b>Total Degree Requirements</b>	<b>60 credits</b>
<b>Total Degree Cost</b>	<b>61 minimum billable contact hours</b>

## Certificate Program: System Administration Specialist

This certificate program focuses on knowledge and skills that are essential for those specializing in network software.

Required Courses	Credits
CIS 130 (Introduction to Computer Information Systems) . . .	3
CIS 135 (Scripting Language Programming) or CIS 150** (Computer Science I) . . . . .	3-4
CIS 208 (PC Operating Systems) . . . . .	3
CIS 209 (Network Concepts) . . . . .	3
CIS 228 (Linux Administration) . . . . .	3
CIS 230 (Windows Server) . . . . .	3
CIS 234 (Advanced Windows Server) . . . . .	4
IAS 103 (Information Security Principles) . . . . .	3

**\*\* CIS 135 (Scripting Language Programming) is recommended for students whose goal is to complete the AAS degree and seek employment. CIS 150 (Computer Science I) or higher is recommended for students interested in transferring.**

**Total Certificate Requirements 25-26 credits**  
**Total Certificate Cost 25 minimum billable contact hours**



Information contained within this document is subject to change. This program sheet may not be considered as an agreement or contract.

Monroe County Community College is an equal opportunity institution and adheres to a policy that no qualified person shall be discriminated against because of race, color, religion, national origin or ancestry, age, gender, marital status, disability, genetic information, sexual orientation, gender identity/expression, height, weight or veteran's status in any program or activity for which it is responsible. If you have a disability and need special accommodations, please contact the Learning Assistance Laboratory (734.384.4167) at least 10 business days prior to the first class session to begin the accommodation process.

The college's Equal Opportunity Officer and Title IX and Section 504/ADA Coordinator and Compliance Officer for discrimination and sexual harassment is the Director of Human Resources, Monroe County Community College, 1555 South Raisinville Road, Monroe, Michigan 48161, 734.384.4245.

Monroe County Community College is accredited by the Higher Learning Commission, [www.hlcommission.org](http://www.hlcommission.org), 800.621.7440.

### Main Campus

1555 South Raisinville Road  
Monroe, Michigan 48161  
734-242-7300 / 1-877-YES-MCCC

### Whitman Center

7777 Lewis Avenue  
Temperance, Michigan 48182  
734-847-0559



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