

# COMPUTER INFORMATION SYSTEMS SYSTEM ADMINISTRATION SPECIALIST

2018 – 2019 • Business Division

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 see the following link on the Bureau of Labor Statistics website:  
<http://www.bls.gov/ooh/computer-and-information-technology/network-and-computer-systems-administrators.htm>.

### Transfer Information

For information regarding transfer opportunities for this or any program, please go to <http://www.monroeccc.edu/academicadv-transfer/transindex.htm>.

**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



### Required General Education Courses **Credits 19-20**

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 in the college catalog for a list of courses that satisfy the General Education Learning Competencies.

### Required Core Courses **Credits 13**

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

### System Administration Concentration **Credits 19-20**

CIS 132 (Computer Programming Concepts) 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

**General Elective Courses**

(as required to complete 60 hours)

**7-9**

**Total Degree Requirements**

**60 credits**

**Total Degree Cost**

**61 minimum billable contact hours**

**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 132 (Computer Programming Concepts) 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 132 (Computer Programming Concepts) 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**



**GAINFUL EMPLOYMENT INFORMATION – CERTIFICATE**

Gainful employment information for the systems administration specialist certificate is available on our website at [http://www.monroecc.edu/consumer/gainfulemp/SYSADMIN\\_CERT%20GE%20Disclosure%20Template%20\(2018\)/11.1002-Gedt.html](http://www.monroecc.edu/consumer/gainfulemp/SYSADMIN_CERT%20GE%20Disclosure%20Template%20(2018)/11.1002-Gedt.html)

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 at least 10 business days prior to the first class session to schedule an appointment to begin the accommodation process. The LAL phone number is 734.384.4167.

Monroe County Community College is accredited by the Higher Learning Commission.  
[www.hlcommission.org](http://www.hlcommission.org) / (800) 621-7440

Information contained within this document is subject to change. Every effort has been made to insure the information in this program sheet is accurate at the time of publication. This program sheet may not be considered as an agreement or contract.

**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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COMMUNITY COLLEGE**

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