



**Monroe Community College**

STATE UNIVERSITY OF NEW YORK

Inspiring every day.



SCHOOL OF APPLIED SCIENCES & TECHNOLOGIES

## Computer Systems Technology A.A.S.

### BUILD A SOLID FOUNDATION FOR A WIDE RANGE OF CAREERS.

From computer installation and repair to network planning, Monroe Community College's Computer Systems Technology associate degree program gives you the flexibility to pursue a career that fits your interests. Learn from accomplished instructors dedicated to your success. Take courses and labs using the most current technologies — including our robotics lab.

### PROGRAM DESCRIPTION

This program provides you with comprehensive computer systems knowledge used in today's networked environments. A focus on practical applications includes training with the latest networking components and tools from industry leaders such as CISCO. Through coursework and projects, you'll develop strong problem solving skills, and an understanding of basic electronics, digital logic, programming, computer architecture and operating systems.

### A STRONG START—ACADEMICALLY AND FINANCIALLY!

MCC's low tuition plus financial aid opportunities help make a high-quality education affordable. You could qualify for federal grants, workforce grants, scholarships, and more. Visit [www.monroecc.edu/go/finaid](http://www.monroecc.edu/go/finaid) or call 585.292.2050.

### APPLY TODAY!

To learn more about MCC, visit us on the web at [www.monroecc.edu](http://www.monroecc.edu). Apply today at [admissions.monroecc.edu](http://admissions.monroecc.edu) or contact the Admissions Office at 585.292.2200 to schedule a visit.

### WHERE WILL YOU GO?

Start your career with employers like these:

- University of Rochester
- Constellation Brands
- Excellus BlueCross BlueShield
- Proctor & Gamble
- Rochester Regional Health System
- Frontier Communications

Your job title could be:

- Telecommunications Equipment Installer and Repairer
- Computer Network Support Specialist
- Computer Operator
- Demonstrator and Product Promoter
- Computer User Support Specialist
- PC Maintenance Technician

*"My two years were filled with great experiences – especially the robotics competition!"*

– Jared M., MCC Graduate



**GET THE LATEST ON CAREERS IN OUR AREA, INCLUDING EMPLOYMENT PROJECTIONS, EARNINGS, AND JOB OPENINGS AT [CAREERCOACH.MONROECC.EDU](http://CAREERCOACH.MONROECC.EDU)**

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# CURRICULUM OVERVIEW

## COMPUTER SYSTEMS TECHNOLOGY A.A.S.

This program's design is based on: New MCC General Education

Distribution Requirements	Credit Hours
<b>FIRST SEMESTER</b>	
ENG 101 College Composition <b>OR</b> ENG 200 Advanced Composition	3
MTH 165 College Algebra <b>OR</b> higher#	3
CPT 114 Problem Solving and Robotics	3
CPT 115 Introduction to Networks	3
SUNY GENERAL EDUCATION - OTHER WORLD CIVILIZATIONS (SUNY-OWC) <b>OR</b> SUNY GENERAL EDUCATION - WESTERN CIVILIZATION (SUNY-WC) ELECTIVE	3
<b>First Semester Total:</b>	<b>15</b>
<b>SECOND SEMESTER</b>	
CPT 101 Programming in Python	4
SUNY GENERAL EDUCATION - NATURAL SCIENCES (SUNY-NS) ELECTIVE	3-4
PROGRAM ELECTIVE**	3
OPEN ELECTIVE*	3
MCC GENERAL EDUCATION - HEALTH AND WELLNESS (MCC-HW) ELECTIVE	2
<b>Second Semester Total:</b>	<b>15-16</b>
<b>THIRD SEMESTER</b>	
CSC 202 Programming Embedded Microcontrollers in C and Assembly	4
CPT 211 Android App Design for Mobile Devices	3
PHL 105 Technology and Values	3
ENR 157 Digital Systems <b>OR</b> CSC 206 Digital Computer Organization	3-4
PROGRAM ELECTIVE**	3
<b>Third Semester Total:</b>	<b>16-17</b>
<b>FOURTH SEMESTER</b>	
CPT 210 Operating Systems and Peripherals	3
CPT 212 Wireless and Remote Sensor Technology	3
CRC 110 Introduction to Web Site Design	1
CPT 213 Computer Systems Design Lab <b>OR</b> ENR 259 Engineering Design Lab	1
PROGRAM ELECTIVE**	3-4
OPEN ELECTIVE*	3-4
<b>Fourth Semester Total;</b>	<b>14-16</b>
<b>TOTAL CREDITS:</b>	<b>60-64</b>

\*Choose from: MTH 160, 172, 175, 210, 211, 220. Some of these choices are 4-credit courses. Because some of these courses have prescribed pre-requisites, students should consult an advisor before making their selection.

\*\*Choose from: CPT 215, 216, 217, 218; CSC 101, 214, 215, 223, 225; CIS 200, 201. NOTE: Some of the listed courses are offered for 4-credits.

#Selected MTH course must also qualify for MCC-QL.

ADDITIONAL NOTE: Students who wish to use this degree as the foundation for transfer to a four-year institution should work with an advisor to determine best course selections.

Revised 7/27/2018