

# COMPUTER INFORMATION SYSTEMS COMPUTER SCIENCE

## Business Division

The associate of applied science degree with specialization in computer science is designed to train students for the area of computer programming in an engineering/science environment.

### Career Opportunities

- Entry-level programming positions

### Transfer Information

MCCC has a signed transfer agreement with the University of Michigan-Dearborn that allows students to transfer directly into the bachelor of science in computer and information science, software engineering or information assurance programs. Refer to the Business Division website for specific transfer courses and requirements.

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>Credits</b>
<b>Required General Education Courses</b>	<b>20</b>
C1 Natural Science Competency . . . . .	4
C2 MATH 171 (Calculus I) . . . . .	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

See the *General Education Requirements* on page 35 or the college website ([www.monroecc.edu](http://www.monroecc.edu)) for a list of courses that satisfy the General Education Learning Competencies.

	<b>Credits</b>
<b>Required Core Courses</b>	<b>29</b>
CIS 130 (Introduction to Computer Information Systems) . . . . .	C4
CIS 150 (Computer Science I) . . . . .	4
CIS 153 (Desktop App Development) . . . . .	3
CIS 167 (Discrete Structures) . . . . .	4
CIS 183 (Mobile App Development) . . . . .	4
CIS 212 (Full Stack Development) . . . . .	3
CIS 250 (Computer Science II) . . . . .	4
CIS 267 (Beginning Game Programming) . . . . .	3
CIS 268 (Assembly Language and Computer Architecture) . . . . .	4

**Additional CIS or IAS Electives** **6**

**General Electives Courses** **6**  
(as required to complete 60 hours)

**Total Degree Requirements** **61 credits**

**Total Degree Cost** **61 minimum billable contact hours**