

Computer Information Systems

Computer Science



Business • Management • Marketing • Technology

Career Pathways

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.

Job opportunities include:

- Entry-level programming positions in C ++, Java or Visual Basic.
- Entry-level systems analyst

Also, this program will prepare students well for transfer opportunities in the area of computer science.

For information on transfer options and requirements, refer to the MCCC Web site at: <http://www.monroeccc.edu/academicadv-transfer/2+2agreement/baccalau.htm>

MCCC has a signed transfer agreement with the University of Michigan-Dearborn which allows students to transfer directly into the bachelor of science in computer and information science or software engineering programs. Refer to the above Web site for specific transfer courses and requirements.

Credits

Required General Education Courses: 20

ENGL 151 (English Composition I)	3
ENGL 152 (English Composition II)	3
POLSC 151 (Introduction to Political Science)	3
MATH 171 (Calculus)	4
¹ Science Elective	4
† CIS 130 (Introduction to Computer Information Systems)	3

Required Core Courses: 34

1st Semester

† ADMN 102 (Keyboarding)	1
CIS 112 (Database Software)	3
CIS 132 (Introduction to Computer Programming)	2

2nd Semester

CIS 150 (Computer Science I)	3
CIS 152 (Visual Basic Programming)	3

3rd Semester

CIS 155 (Database Management Systems)	3
CIS 175 (Java Programming)	3
CIS 205 (Systems Analysis and Design)	3
CIS 250 (Computer Science II)	3

4th Semester

CIS 167 (Discrete Structures)	3
CIS 268 (Assembly Language and Computer Architecture)	4
CIS 266 (Advanced C++) or CIS 267 (Beginning Game Programming) or CIS 275 (Advanced Java Programming)	3

General Elective Courses 6

Total Degree Requirements 60

† Tech Prep course. See page 14.

¹ See the science alternatives listed on page 38.