

COMPUTER INFORMATION SYSTEMS APP DEVELOPMENT

Business Division

The associate of applied science degree with specialization in app development is designed to train students in Web and mobile app development.

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

	Credits
Required General Education Courses	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

See the General Education Requirements on page 33 or the college website (www.monroeccc.edu) for a list of courses that satisfy the General Education Learning Competencies.

	Credits
Required Core Courses	29
CIS 112 (Database Software)	3
CIS 130 (Introduction to Computer Information Systems)	C4
CIS 150 (Computer Science I)	4
CIS 153 (Desktop App Development)	3
CIS 183 (Mobile App Development)	4
CIS 184 (Photoshop Graphics)	3
CIS 209 (Network Concepts)	3
CIS 212 (Full Stack Development)	3
IAS 103 (Information Security Principles)	3

Additional Required CIS or IAS Courses **3**

General Elective Courses **11-12**
(as required to complete 60 hours)

Total Degree Requirements **60 credits**
Total Degree Cost **61 minimum billable contact hours**

Certificate Program: App Development

This certificate program focuses on Web and mobile app development.

Required Courses	Credits
CIS 112 (Database Software)	3
CIS 130 (Introduction to Computer Information Systems)	3
CIS 150 (Computer Science I)	4
CIS 153 (Desktop App Development)	3
CIS 183 (Mobile App Development)	4
CIS 184 (Photoshop Graphics)	3
CIS 209 (Network Concepts)	3
CIS 212 (Full Stack Development)	3
IAS 103 (Information Security Principles)	3

Total Certificate Requirements **29 credits**
Total Certificate Cost **29 minimum billable contact hours**