



The Associate of Arts degree (A.A.) at JCCC is a general transfer degree and partners well with the first two years of most bachelor degree programs. Students pursuing the A.A. may select courses that satisfy both the A.A. degree requirements and lower division requirements for a bachelor's degree at four-year institutions. The elective hours within the A.A. allows students to complete additional general education and lower division courses required for specific majors. The A.A. degree requires completion of 63 credit hours. The maximum number of hours from a community college that will be applied toward a bachelor's degree at most four-year schools is 64 credits. Meeting with a JCCC counselor is strongly recommended for selection of appropriate courses.

- Bachelor of Science in Cybersecurity is 120 credit hours total
- Apply at www.ucmo.edu/recruit

COMPUTER SCIENCE CORE REQUIREMENTS (39 credits)

UCM Course	Hours	JCCC Equivalents	Hours
CS 1100 Computer Programming I	3	CS 205 Concepts of Programming Algorithms using Java	3
CS 1110 Computer Programming II	3	CIS 240 Advanced Topics in Java	4
CS 2300 Data Structures	3	CS 255 Basic Data Structures Using Java	4
CS 2400 Discrete Structures	3	CS 210 Discrete Structures I	3
CS 4600 Database Theory & Applications	3	CIS 260 Database Management	4

COMPUTER SCIENCE ELECTIVES REQUIREMENTS (27 credits)

Electives from the following 9-18 credits

UCM Course	Hours	JCCC Equivalents	Hours
CS 3110 Applications Prog. in C# & .NET	3	CS 236 Object-Oriented Programming Using C#	4
CS 4110 Mobile App. Prog. with Android	3	CIS 208 Mobile Application Development	4
CS 4130 Server Side Web Programming	3	CIS 275 Web-Enabled Database Programming	4

COMPUTER SCIENCE GENERAL EDUCATION REQUIREMENTS (42 credits)

UCM Course	Hours	JCCC Equivalents	Hours
COMM 1000 Public Speaking	3	SPD 121 Public Speaking	3
CS 1000 Computers and Modern Society	3	N/A	3
ACST 1300 Basic Statistics	3	MATH 181 Statistics	3
CS 1030 Intro. to Computer Prog. OR	3	CIS 142 Beginning Prog. using Python OR	4
MATH 1131 Applied Calculus OR	3	MATH 231 Business and Applied Calc. I OR	3
MATH 1151 Calculus and Analytic Geometry I	5	MATH 241 Calculus I	5