Computer Science (Associate of Science)

The Associate of Science in Computer Science degree is an industry-linked program which prepares students for transfer to a 4 year institution as well as for careers as programmers, technicians and specialists in the computer science industry. Students planning to transfer to another institution of higher education should discuss their plans with an academic advisor at both BRCC and the receiving institution to ensure maximum transferability of credits.

To receive this degree, the student must:
- Earn a "C" or better in all courses to be used towards the degree.
- Complete the coursework listed below.

Program Outcomes. Upon successful completion of the program, the graduate will be able to:
1. Identify technical requirements for rapidly changing computing problems.
2. Solve computer related problems using critical thinking skills independently and in team settings.
3. Demonstrate the knowledge and skills necessary for transfer to a four-year institution and permit entry into the workforce, according to their career goals.

PROGRAM OF STUDY

First Semester		Credit Hours
ENGL 1013	English Composition I	3
	Any General Education course in the Humanities[1]	3
BIOL 1013 / 1033	General Biology I/Biology I for Science Majors	3
BIOL 1011 / 1031	General Biology I Lab/Biology I Lab for Science Majors	1
CSCI 1923	Introduction to Programming: Logic and Design	3
MATH 2115	Calculus I[2]	5
		18

Second Semester		Credit Hours
ENGL 1023	English Composition II	3
BIOL 1023/BIOL 1043	General Biology II/Biology II for Science Majors	3
BIOL 1021/BIOL 1041	General Biology II Lab/Biology II Lab for Science Majors	1
Any General Education Fine Arts Elective[3]		3
CSCI 1933	Software Design and Programming I	3
MATH 2125	Calculus II	5
		18

Third Semester		Credit Hours
Choose one:		
Any General Education ENGL or HUMN Elective		
Math 2904 Elementary Differential Equations and Linear Algebra[4]		3
CSCI 1943	Software Design and Programming II	3
CSCI 2003	Discrete Structures	3

Choose one[5]:

CHEM 1123	Chemistry I for Science Majors	
PHYS 2113	General Physics I	3
		12

Fourth Semester		**Credit Hours**
Any General Education Social or Behavioral Science Elective		3
CSCI 2103	Data Structures	3
CSCI 2903	Object-Oriented Programming (JAVA)	3

Choose one:

CHEM 1133	Chemistry II for Science Majors	
PHYS 2123	General Physics II	3
		12

	Total Program Hours	**60**

1 Students should refer to their transfer institution for specific Humanities course requirement
2 Appropriate placement test score or MATH 1213 and MATH 1223 or MATH 1235 (with a grade of C or better)
3 Student may choose from the following: ARTS 1023, MUSC 1013, THTR 1013
4 Based on transfer institution requirement
5 Student must take both courses in the CHEM or PHYS sequence

For more information, contact the Science, Technology, Engineering, and Math Division at (225) 216-8226.