

SCIENCE

Award: Associate of Science Degree

Major: Science

Specialization: Computer Science Specialization

Possible occupations for graduates are software development, network analysis, software security, database design, etc.

The A.S. degree program with a major in Science and a Computer Science specialization is designed for students who wish to pursue a four year degree in Computer Science and a career in a field such as one of those above.

The specialization in Computer Science prepares students with core knowledge and skills needed for entry into baccalaureate programs. Students should be knowledgeable about the specific requirements of the four year school to which they wish to transfer so that they may make appropriate course choices.

Curriculum

Course No.	Title	Credit
First Semester		
ENG 111	College Composition I	3
SDV	Student Development	1
MTH 173	Calculus with Analytic Geometry	5
	Science with Laboratory	4
CSC 200	Introduction to Computer Science	3
		16
Second Semester		
ENG 112	College Composition II	3
	Mathematics Elective ^e	3
	Science with Laboratory	4
CSC 201	Computer Science I	4
	Health/Physical Educations ^f	1
		15
Third Semester		
	Mathematics/Natural Science Electives ^e	3
	Social/Behavioral Science Elective ^b	3
	History Elective	3
CSC 202	Computer Science II	4
	Humanities/Fine Arts ^d	3
		16
Fourth Semester		
CSC 205	Computer Organization	3
	Mathematics/Natural Science Electives ^e	6
	History/Social or Behavioral ^b	3
	Literature ^d	3
		15
Total credits required		62

^a This list of majors is not exclusive. The A.S. degree in science can also be used for students who wish to transfer to other technology-related fields.

^b A list of approved History/Social & Behavioral Science electives can be found on pages 55 of the BRCC catalog.

^d A list of approved Humanities & Fine Arts electives can be found on page 54 of the BRCC catalog.

^e The typical mathematics and science course sequences for certain majors follows: Biological sciences/pre-med/pre-vet/pre-dentistry: MTH 173/174 or MTH 173/157, BIO 101/102 or BIO 101/114, CHM 111/112 and CHM 241/243 & 242/244, PHY 201/202 or 241/242. Chemistry: MTH 173/174/277 and MTH 279 or MTH 291, CHM 111/112 and CHM 241/243 and 242/244, PHY 201/202 or 241/242. Mathematics MTH 173/174/277, MTH 177 or 285, MTH 279 or 291, MTH 286 or 287, CHM 111/112 or PHY 201/202 or 241/242 or BIO 101/102 or GOL 105. ITP 220, 287. Physics: MTH 173/174/277/177 and MTH 279 or MTH 291, CHM 111/112, PHY 241/242; with the following options: BIO 101/114 for those interested in Biophysics, GOL 105 for those interested in Geophysics.

^f Total of one credit of HLT/PED required in the program. (Excluding HLT 143-144.)