Science

Award: Associate of Science Degree

Major: Science

The A.S. degree program in Science is designed to prepare students to transfer to four year institutions and pursue a Bachelor of Science degree in an area of the biological sciences, engineering, mathematics or physical sciences.

The degree is intended for students who wish to continue their studies in the following fields: Biology, Chemistry, Engineering, Mathematics, Physics, Pre-med, Pre-vet, and Pre-dentistry.[a] The suggested curriculum and list of courses that follows includes the highest level college-transfer courses available at BRCC and is designed to allow students to transfer to their senior institution with the highest standing possible in their intended major. Considering the number of institutions and majors that can be chosen, it is not feasible to offer a curriculum that satisfies the needs of all. For choice of electives, it is strongly recommended that all students begin with the following guidelines but that they also contact the institution(s) to which they wish to transfer and verify which courses will be best for their specific major and specialization.

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
	History Elective [b]	3
		16
Second Semester		
ENG 112	College Composition II	3
	Elective [c]	3
	Mathematics Elective [e]	3-5
	Science with Laboratory	4
	Health/Physical Education [f]	1
		14-16
Third Semester		
	Mathematics/Natural Science Electives [e]	9-10
	Social/Behavioral Science Elective [b]	3
	Humanities/Fine Arts [d]	3
		15-16
Fourth Semester		
	Mathematics/Natural Science Electives [e]	12
	Literature [d]	3
		15
Total credits required		**60-63**

[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 available in Admissions and Records.

[c] Students majoring in Engineering should take EGR 140; all other students should take a History or Social/Behavioral Science elective.

[d] A list of approved Humanities & Fine Arts electives available in Admissions and Records.

[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. 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.)

revised August 5, 2011