

Bachelor of Applied Arts and Sciences (Biotechnology Concentration)

Division of Academic Affairs

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Core Curriculum Requirements	Course Name	Hours	TCCNS	SHSU
Communication (6 hours)	Composition I	3	ENGL 1301	ENGL 1301
	Composition II	3	ENGL 1302	ENGL 1302
Mathematics (3 hours) ¹	Pre Calculus Algebra	3	MATH 1314	MATH 1314
Life & Physical Sciences (6 hours)	Choose <u>two</u> courses from your current Texas community college's core approved list. <i>CHEM 1411 & CHEM 1412 are required for the SHSU degree.</i>			
Language, Philosophy, & Culture (3 hours)	Choose <u>one</u> course from your current Texas community college's core approved list.			
Creative Arts (3 hours)	Choose <u>one</u> course from your current Texas community college's core approved list.			
American History (6 hours)	United States History to 1876	3	HIST 1301	HSTY 1301
	United States History since 1876	3	HIST 1302	HSTY 1302
Government/Political Science (6 hours)	American Government	3	GOVT 2305	POLS 2305
	Texas Government	3	GOVT 2306	POLS 2306
Social & Behavioral Science (3 hours)	Choose <u>one</u> course from your current Texas community college's core approved list.			
Component Area Option Recommendations (6 hours)	Choose <u>two</u> courses from your current Texas community college's core approved list.			
Major Requirement or Field of Study	Course Name	Hours	TCCNS	SHSU
Major	General Chemistry I	4	CHEM 1411	CHEM 1411
Major	General Chemistry II	4	CHEM 1412	CHEM 1412
Major	Organic Chemistry I	3	CHEM 2323	CHEM 2323
Major	Organic Chemistry I Lab	1	CHEM 2123	CHEM 2123
Major	General Biology I ²	4	BIOL 1406	BIOL 1406
Major	General Biology II ²	4	BIOL 1407	BIOL 1407

*SHSU accepts a maximum of 70 credit hours: 66 academic hours + 4 hours of activity-based physical education (kinesiology) hours.
Students may transfer up to 36 SCH of WECM coursework from their A.A.S. degree.

Students must earn a 2.0 minimum overall GPA in all coursework and in all major coursework. Students must earn a 2.0 minimum SHSU GPA in all coursework and in all major coursework.

A total minimum of 36 advanced hours (3000-4000 level classes) must be taken. These hours may come in part from the minor and required internship or mentorship. Additional elective hours will be required to complete this requirement.

Complete 42 hours in general education [core], at least 12 hours of core must be taken at Sam Houston State University. Refer to section on core requirements (may include up to 30 hours of core academics from community college courses - see program coordinator for clarification).

A grade of C or better is required in the following courses; BIOL 1406, BIOL 1407, CHEM 1411, CHEM 1412, and CHEM 2323/2123.

- 1 - MATH 1314 is a prerequisite to CHEM 1411 and satisfies the requirement for the Core Curriculum Component Area II (Mathematics).
2 - BIOL 1406 and BIOL 1407 are prerequisites for BIOL 2440.

Full degree can be found here: [Applied Arts & Sciences](#)