

BACHELOR OF SCIENCE, MAJOR IN HEALTH SCIENCES

Bachelor of Science, Major in Health Sciences

Core Curriculum (catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum)

Component Area I (Communication)	6
Component Area II (Mathematics)	3
Component Area III (Life and Physical Science)	8
Component Area IV (Language, Philosophy, and Culture)	3
Component Area V (Creative Arts)	3
Component Area VI (U.S. History)	6
Component Area VII (Political Science/Government)	6
Component Area VIII (Social and Behavioral Sciences)	3
Component Area IX (Component Area Option)	4

Degree Specific Requirements: 13 Credits Hours

BIOL 2401	Human Anatomy (core) ¹	4
BIOL 2402	Human Physiology	4
CHEM 1411	General Chemistry I (core) ¹	4
FACS 2362	Nutrition ²	3
or FACS 1367	Basic Nutrition	
KINE 2115	Lifetime Health and Wellness (core) ³	1
MATH 1314	Pre Calculus Algebra (core) ⁴	3
MATH 1370	Intro to Biomedical Statistics	3
or MATH 3379	Statistical Mthods In Practice	
PSYC 1301	Introduction To Psychology (core) ⁵	3
PSYC 3374	Development Psychology	3

Major Required Courses: 27 Credit Hours

HLTH 1360	Fund Hlth Promo & Hlth Careers	3
HLTH 2372	Health & Medical Terminology	3
HLTH 2383	Multicultural Health Issues	3
HLTH 3350	Principles of Public Health	3
HLTH 3355	Principles US Health Care Sys	3
HLTH 3360	Epidemiology	3
HLTH 3391	Study Of Human Diseases	3
HLTH 4393	Prof Prep Health Careers ⁶	3
HLTH 4394	Internship Program ⁷	3

Electives Block: ⁷

Select 38 hours of Electives from the list below. Students may select no more than 20 credit hours of science and math. The rest of the electives must be from outside science and math. See an advisor for permission to count electives not on this list. 38

Total Hours 120

- ¹ Satisfies Core Curriculum requirement for Component Area III (Life and Physical Science).
- ² FACS 1367 accepted only as a transfer course.
- ³ Satisfies Core Curriculum requirement for Component Area IX (Component Area Option)
- ⁴ Satisfies Core Curriculum requirement for Component Area II (Mathematics).
- ⁵ Satisfies Core Curriculum requirement for Component Area VIII (Social and Behavioral Sciences).
- ⁶ Students must earn a grade of "C" or better in HLTH 4393.
- ⁷ Select 38 hours of track specific requirements not to exceed 20 combined credit hours of Biology, Chemistry, Physics, or Math/Statistics course credit. Must complete 42 credit hours of advanced credit (3000-4000),

Electives

BIOL 1411	General Botany	4
BIOL 1413	General Zoology	4
BIOL 2320	Sustainability and Environment	3

BIOL 2440	Introductory Cell Biology	4
BIOL 3450	Introductory Genetics	4
BIOL 3470	General Microbiology	4
BIOL 4350	Immunology	3
BIOL 4360	Genetic Anlys of Human Disease	3
CHEM 1412	General Chemistry II	4
CHEM 2323 & CHEM 2123	Organic Chemistry I: Lecture and Organic Chemistry I Lab	4
CHEM 2325 & CHEM 2125	Organic Chemistry II: Lecture and Organic Chemistry II: Lab	4
CHEM 3438	Biochemistry I	4
COMS 1361	Public Speaking	3
COMS 3372	Interpersonal Health Comm	3
ENGL 3330	Intro To Technical Writing	3
FORS 3420	Hum Osteol Anlys of Hum Bone	4
HLTH 1366	Lifestyle And Wellness	3
HLTH 2330	First Aid & CPR - Am Red Cross	3
HLTH 3380	Drug Use and Abuse	3
HLTH 3382	Child & Adolescent Health	3
HLTH 3390	Family Life & Sex Education	3
HLTH 4117	Practicum	1
HLTH 4365	Health Care Policy	3
HLTH 4367	Economics for Health Managers	3
HLTH 4371	Patient Navigation	3
HLTH 4375	Health Laws and Ethics	3
HLTH 4380	Global Health	3
HLTH 4387	Community Health	3
HLTH 4390	Environmental Health	3
KINE 3362	Functional Kinesiology	3
KINE 3364	Motor Learning	3
KINE 3367	Lifespan Motor Development	3
KINE 3373	Physiology Of Exercise	3
KINE 4362	Biomechanical Analysis	3
MATH 1316	Plane Trigonometry	3
MATH 1420	Calculus I	4
PHYS 1301 & PHYS 1101	General Phy-Mechanics & Heat and General Physics Laboratory I	4
PHYS 1302 & PHYS 1102	Gen Phy-Snd,Lght, Elec, & Mag and General Physics Laboratory II	4
PSYC 3331	Abnormal Psychology	3
PSYC 3333	Physiological Psychology	3
SOCI 1301	Principles Of Sociology	3
SOCI 3365	Sociology Of Health & Illness	3

Notes

Students **must meet with advisor** to discuss elective requirements that are necessary for advanced degree in Occupational Therapy, Physical Therapy and Chiropractic.

HLTH 3360 requires a prerequisite of MATH 3379 or STAT 3379.

ENGL 1301 and ENGL 1302 are prerequisites for ENGL 3330 and satisfy the Core Curriculum requirement for Component Area I (Communications).

BIOL 3470 requires the prerequisite of BIOL 1411, BIOL 1413, BIOL 2440, CHEM 1412, BIOL 1411 and BIOL 1413 satisfy 4 to 8 hours of the Core Curriculum requirement for Component Area III (Life and Physical Science).

HLTH 3350, HLTH 4380, HLTH 4387, HLTH 4390, and KINE 3375 require Junior Standing.

MATH 1410 or MATH 1316 or MATH 1420 are prerequisites for PHYS 1301 and PHYS 1101 and satisfy the Core Curriculum requirement for Component Area II (Mathematics). A grade of "C" or higher is required for courses.

KINE 3362 requires a prerequisite of BIOL 2401 (in Core) or BIOL 3410.

Students must earn a grade of "C" or better in HLTH 4393 and HLTH 4394.

First Year

Fall	Hours Spring	Hours
BIOL 2401 ¹	4 BIOL 2402	4
CHEM 1411 ¹	4 ENGL 1302 ²	3
ENGL 1301 ²	3 HIST 1302 ³	3
HIST 1301 ³	3 HLTH 2372	3
KINE 2115 ⁴	1 MATH 1314 ⁵	3
	14	16

Second Year

Fall	Hours Spring	Hours
Component Area IX (catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaix)	3 Component Area IV (catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaiv)	3
FACS 2362	3 Component Area V (catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareav)	3
HLTH 1360	3 HLTH 2383 ⁶	3
MATH 3379	3 POLS 2306 ⁶	3
POLS 2305 ⁶	3 PSYC 3374	3
PSYC 1301	3	
	18	15

Third Year

Fall	Hours Spring	Hours
Elective Block ^{7,8}	9 Elective Block ^{7,8}	12
HLTH 3350	3 HLTH 3360	3
HLTH 3355	3 HLTH 3391	3
	15	18

Fourth Year

Fall	Hours Spring	Hours
Elective Block ^{7,8}	9 Elective Block ^{7,8}	9
HLTH 4393	3 HLTH 4394	3
	12	12

Total Hours: 120

¹ Satisfies Core Curriculum requirement for Component Area III (Life and Physical Science).

² Satisfies Core Curriculum requirement for Component Area I (Communications).

³ Satisfies Core Curriculum requirement for Component Area VI (U.S. History).

⁴ Satisfies 1 SCH of Core Curriculum requirement for Component Area IX (Component Area Option).

⁵ Satisfies Core Curriculum requirement for Component Area II (Mathematics).

⁶ Satisfies Core Curriculum requirement for Component Area VII (Political Science/Government).

⁷ Select 38 hours of Electives from the list below. Students may select no more than 20 credit hours of science and math. The rest of the electives must be from outside science and math. See an advisor for permission to count electives not on this list.

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