

BACHELOR OF SCIENCE, MAJOR IN HEALTH SCIENCES

Code	Title	Hours
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		
BIOL 2403 or BIOL 2401	Human Anatomy & Physiology I ¹ Human Anatomy	4
BIOL 2404 or BIOL 2402	Human Anatomy & Physiology II Human Physiology	4
CHEM 1411 or CHEM 1406	General Chemistry I (core) ¹ Inorganic & Envir Chemistry	4
KINE 2115	Lifetime Health and Wellness (core) ²	1
MATH 1314 or MATH 1410 or MATH 1420	Pre Calculus Algebra (core) ³ Elementary Functions Calculus I	3
MATH 1370 or MATH 3379 or MATH 1369	Intro Biomedical Statistics Statistical Mthods in Practice Elementary Statistics	3
PSYC 1301	Introduction To Psychology (core) ⁴	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 2391	Human Diseases	3
HLTH 3350	Principles of Public Health	3
HLTH 3355	US Health Care Systems	3
HLTH 3360	Epidemiology	3
HLTH 4393	Prof Prep Health Careers ⁵	3
HLTH 4394	Internship Program ⁵	3
Electives Block: ⁶		
	From the list below, select 41 hours of electives (21 hours must be 3000 or 4000 level). Students may not count more than 20 credit hours of science and math as electives; the remainder must be from outside science and math.	41
Total Hours		120

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

² Satisfies Core Curriculum requirement for Component Area IX (Component Area Option)

³ Satisfies Core Curriculum requirement for Component Area II (Mathematics).

⁴ Satisfies Core Curriculum requirement for Component Area VIII (Social and Behavioral Sciences).

⁵ Students must earn a grade of "C" or better in HLTH 4393 and HLTH 4394.

⁶ Select 41 hours of track specific requirements not to exceed 20 combined credit hours of science and math . Must complete 42 credit hours of advanced credit (3000-4000).

Code	Title	Hours
Electives		
BIOL 1411	General Botany	4
BIOL 1413	General Zoology	4
BIOL 2420	Intro Applied Microbiology	4
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
FACS 2362	Nutrition	3
FORS 3420	Hum Osteol Anlys of Hum Bone	4
HLTH 1366	Lifestyle and Wellness	3
HLTH 3361	Health Planning & Evaluation	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
HLTH 4394	Internship Program	3
KINE 2330	First Aid & CPR - Am Red Cross	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

HLTH 3360 requires a prerequisite of one of the following, MATH 1369, MATH 3379, STAT 3379, or MATH 1370.

ENGL 1301 and ENGL 1302 are prerequisites for ENGL 3330.

BIOL 3470 requires the prerequisite of BIOL 1411, BIOL 1413, BIOL 2440, CHEM 1412, BIOL 1411 and BIOL 1413.

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. A grade of "C" or higher is required for courses.

KINE 3362 requires a prerequisite of BIOL 2401 or BIOL 2403. Student may co-enroll.

BIOL 2402 requires a grade of "C" or higher in BIOL 2401 and CHEM 1406.

BIOL 2404 requires a "C" or higher in BIOL 2403.

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

First Year

Fall	Hours Spring	Hours
BIOL 2403 or 2401 ¹	4 BIOL 2404 or 2402	4
ENGL 1301 ²	3 CHEM 1411 or 1406 ¹	4
HIST 1301 ³	3 KINE 2115 ⁵	1
HLTH 1360	3 MATH 3379, 1369, or 1370	3
MATH 1314, 1410, or 1420 ⁴	3 PSYC 1301	3
	16	15

Second Year

Fall	Hours Spring	Hours
Elective Block ^{6, 7, 8}	4 Component Area IV (catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaiv) ¹⁰	3
Elective Block ^{9, 7, 8}	3 HIST 1302 ³	3
ENGL 1302 ²	3 HLTH 2372	3
HLTH 2391	3 HLTH 2383	3
PSYC 3374	3 POLS 2305 ¹¹	3
	16	15

Third Year

Fall	Hours Spring	Hours
Elective Block ^{7, 8}	9 Component Area V (catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareav) ¹⁰	3
HLTH 3350	3 Elective Block ^{7, 8}	9
HLTH 3355	3 HLTH 3360	3
POLS 2306 ¹¹	3 HLTH 4393	3
	18	18

Fourth Year

Fall	Hours Spring	Hours
Component Area IX (catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaix) ¹⁰	3 Elective Block ^{7, 8}	11
Elective Block ^{7, 8}	12 Elective	
HLTH 4394	3	
	18	11

Total Hours: 127

- 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 Core Curriculum requirement for Component Area II (Mathematics).
- 5 Satisfies one hour of Core Curriculum requirement for Component Area IX (Component Area Option).
- 6 Pre-nursing and pre-chiropractic students should take BIOL 2420 or BIOL 3470 Fall of second year. Pre-OT, pre-PT should take advanced math course Fall of second year.
- 7 Select 41 hours of track specific requirements not to exceed 20 combined credit hours of science and math . Must complete 42 credit hours of advanced credit (3000-4000).
- 8 From the list below, select 41 hours of electives (21 hours must be 3000 or 4000 level). Students may not count more than 20 credit hours of science and math as electives; the remainder must be from outside science and math.
- 9 Pre-nursing students should take FACS 2362 or FACS 1367.
- 10 Either Component Area IV, Component Area V, or Component Area IX can be taken.
- 11 Satisfies Core Curriculum requirement for Component Area VII (Political Science/Government).

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BIOL 1411	General Botany	4
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BIOL 2440	Introductory Cell Biology	4
BIOL 3450	Introductory Genetics	4
BIOL 3470	General Microbiology	4
BIOL 4350	Immunology	3
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CHEM 1412	General Chemistry II	4
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COMS 1361	Public Speaking	3
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ENGL 3330	Intro to Technical Writing	3
FACS 2362	Nutrition	3
FORS 3420	Hum Osteol Anlys of Hum Bone	4
HLTH 1366	Lifestyle and Wellness	3
HLTH 3361	Health Planning & Evaluation	3
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HLTH 3382	Child & Adolescent Health	3
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HLTH 4117	Practicum	1
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HLTH 4394	Internship Program	3
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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 1302 & PHYS 1101	Gen Phy-Snd,Lght, Elec, & Mag and General Physics Laboratory I	4
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PSYC 3331	Abnormal Psychology	3
PSYC 3333	Physiological Psychology	3
SOCI 1301	Principles Of Sociology	3
SOCI 3365	Sociology Of Health & Illness	3

Notes

HLTH 3360 requires a prerequisite of MATH 3379, MATH 1369, MATH 1370 or STAT 3379.

ENGL 1301 (catalog.shsu.edu/archives/2019-2020/search/?P=ENGL%201301) and ENGL 1302 (catalog.shsu.edu/archives/2019-2020/search/?P=ENGL%201302) are prerequisites for ENGL 3330 (catalog.shsu.edu/archives/2019-2020/search/?P=ENGL%203330).

BIOL 3470 (catalog.shsu.edu/archives/2019-2020/search/?P=BIOL%203470) requires the prerequisite of BIOL 1411 (catalog.shsu.edu/archives/2019-2020/search/?P=BIOL%201411), BIOL 1413 (catalog.shsu.edu/archives/2019-2020/search/?P=BIOL%201413), BIOL 2440 (catalog.shsu.edu/archives/2019-2020/search/?P=BIOL%202440), CHEM 1412 (catalog.shsu.edu/archives/2019-2020/search/?P=CHEM%201412), BIOL 1411 (catalog.shsu.edu/archives/2019-2020/search/?P=BIOL%201411) and BIOL 1413 (catalog.shsu.edu/archives/2019-2020/search/?P=BIOL%201413).

HLTH 3350 (catalog.shsu.edu/archives/2019-2020/search/?P=HLTH%203350), HLTH 4380 (catalog.shsu.edu/archives/2019-2020/search/?P=HLTH%204380), HLTH 4387 (catalog.shsu.edu/archives/2019-2020/search/?P=HLTH%204387), HLTH 4390 (catalog.shsu.edu/archives/2019-2020/search/?P=HLTH%204390), and KINE 3375 (catalog.shsu.edu/archives/2019-2020/search/?P=KINE%203375) require Junior Standing.

MATH 1410 (catalog.shsu.edu/archives/2019-2020/search/?P=MATH%201410) or MATH 1316 (catalog.shsu.edu/archives/2019-2020/search/?P=MATH%201316) or MATH 1420 (catalog.shsu.edu/archives/2019-2020/search/?P=MATH%201420) are prerequisites for PHYS 1301 (catalog.shsu.edu/archives/2019-2020/search/?P=PHYS%201301) and PHYS 1101 (catalog.shsu.edu/archives/2019-2020/search/?P=PHYS%201101). A grade of "C" or higher is required for courses.

KINE 3362 (catalog.shsu.edu/archives/2019-2020/search/?P=KINE%203362) requires a prerequisite of BIOL 2401 (catalog.shsu.edu/archives/2019-2020/search/?P=BIOL%202401) or BIOL 2403. Student may co-enroll.

BIOL 2402 requires a grade of "C" or higher in BIOL 2401 and CHEM 1406.

BIOL 2404 requires a "C" of higher in BIOL 2403.

Students must earn a grade of "C" or better in HLTH 4393 (catalog.shsu.edu/archives/2019-2020/search/?P=HLTH%204393) and HLTH 4394 (catalog.shsu.edu/archives/2019-2020/search/?P=HLTH%204394).