

BACHELOR OF SCIENCE, MAJOR IN KINESIOLOGY (CLINICAL EXERCISE SCIENCE)

This degree will prepare you for a career in clinical exercise science. Future job prospects include cardiac rehabilitation, hospital/clinic-based fitness and wellness facilities, performance centers, research facilities, and graduate education in exercise science, sport and human performance, and allied health fields (physical therapy, occupational therapy, prosthetics and orthotics, etc.). This track is focused on clinical and research settings where you will be working with both clinical and general populations, such as at a cardiac rehabilitation facility, research laboratories, or at sport-science based performance facilities.

Bachelor of Science, Major in Kinesiology (Clinical Exercise Science)

Core Curriculum (catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum)		
Component Area I (Communication)		6
Component Area II (Mathematics) ¹		3
Component Area III (Life and Physical Science) ²		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		4
Degree Specific Requirements		
PHYS 1301 & PHYS 1101	General Phy-Mechanics & Heat and General Physics Laboratory I	4
BIOL 1411	General Botany ²	4
BIOL 1413	General Zoology	4
CHEM 1411	General Chemistry I	4
CHEM 1412	General Chemistry II	4
BIOL 2401	Human Anatomy	4
BIOL 2402	Human Physiology	4
MATH 1314 or MATH 1316 or MATH 1410	Pre Calculus Algebra ¹ Plane Trigonometry Elementary Functions	3-4
Select one of the following:		3-4
MATH 3379	Statistical Methods In Practice	
BIOL 4374	Biostatistics	
PSYC 3301 & PSYC 3101	Elementary Statistics and Statistics Laboratory	
FACS 2362	Nutrition	3
ENGL 3330	Intro To Technical Writing	3
Major		
PSYC 1301	Introduction To Psychology ³	3
COMS 1361	Public Speaking ⁴	3
KINE 1331	Foundations Of Kinesiology	3
KINE 2115	Lifetime Health and Wellness ⁴	1
KINE 3362	Functional Kinesiology	3
KINE 3364	Motor Learning	3
KINE 3373	Physiology Of Exercise	3
KINE 2114	Wgt Train & Phy Conditioning	1
ATTR 3370	Prevention & Care of Injuries	3
KINE 4373	Adv Tpcs In Physlgy Of Exercis	3
KINE 4362	Biomechanical Analysis	3
KINE 4377	Prin Exer Testing/Prescription	3

2 Bachelor of Science, Major in Kinesiology (Clinical Exercise Science)

KINE 4393	Prncples& Prac Of Adlt Fit Mgt	3
KINE 4394	Internship	3
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Elective Block	Physical Therapy: PHYS 1302, PHYS 1102, PSYC 3374, HLTH 2372, & MATH upper level; Occupational Therapy: SOCI 1301, PSYC 3331, PSYC 3374, & HLTH 2372; Suggested Electives: ATTR 3369, ATTR 4369, ATTR 4300, ATTR 4310, ATTR 3383, & KINE 4369	15

Total Hours 120-122

- 1 MATH 1314, MATH 1316, or MATH 1410 satisfies Component Area II. Students interested in attending PT/OT school should take MATH 1314.
- 2 BIOL 1411 and CHEM 1411 satisfy Component Area III.
- 3 PSYC 1301 satisfies Component Area VIII.
- 4 KINE 2115 and COMS 1361 satisfy Component Area IX.

Notes

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.

CHEM 1411 is a prerequisite for CHEM 1412.

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

MATH 3379 requires 3 hours of college math.

BIOL 4374 requires 8 hours of advanced BIOL and MATH 1314 or MATH 1420.

BIOL 2401 is a prerequisite for FACS 2362 and KINE 3362.

ENGL 1301 and ENGL 1302 are prerequisites for ENGL 3330 and satisfy Component Area I.

KINE 3362 requires a prerequisite of BIOL 2401 or BIOL 3410.

KINE 3373 and KINE 3364 require Junior Standing.

ATTR 3370 requires Junior Standing in Kinesiology or permission from Instructor.

KINE 4393 requires Senior Standing.

KINE 4394 requires Senior Standing and completion of KINE 4393 and KINE 4377.

First Year

Fall	Hours Spring	Hours Summer	Hours
ENGL 1301 ¹	3 BIOL 1413	4 KINE 1331	3
BIOL 1411 ²	4 ENGL 1302 ¹	3 KINE 2114	1
CHEM 1411 ²	4 PSYC 1301 ⁴	3 KINE 2115 ⁶	1
MATH 1314, 1316, or 1410 ³	3-4 COMS 1361 ⁵	3 HIST 1301	3
	14-15	13	8

Second Year

Fall	Hours Spring	Hours Summer	Hours
POLS 2305 ⁷	3 BIOL 2402	4 KINE 3364	3
BIOL 2401	4 PHYS 1411	4 KINE 3373	3
CHEM 1412	4 POLS 2306 ⁷	3 HIST 1302	3
FACS 2362	3 Electives (See list below)	3	
	14	14	9

Third Year

Fall	Hours Spring	Hours
ATTR 3370	3 KINE 3362	3
MATH 3379, BIOL 4374, PSYC 3301, or PSYC 3101 ⁸	3-4 Upper Level Electives (see list below)	6

ENGL 3330	3 Component Area V (catalog.shsu.edu/ undergraduate/ academic-policies- procedures/degree- requirements- academic-guidelines/ core-curriculum/ #componentareav)	3
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Suggested Electives (see list below)	3	
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12-13

12

Fourth Year

Fall	Hours Spring	Hours
KINE 4377	3 KINE 4362	3
KINE 4393	3 KINE 4373	3
Upper Level Electives (see list below)	6 KINE 4394 (Register for 2 sections to complete 6 credit hours)	6
	12	12

Total Hours: 120-122

- 1 Satisfies Component Area I.
- 2 Satisfies 4 hours of Component Area III.
- 3 Satisfies Component Area II.
- 4 Satisfies Component Area VIII.
- 5 Satisfies three hours of Component Area IX.
- 6 Satisfies one hour of Component Area IX.
- 7 Satisfies Component Area VII.
- 8 PSYC 3301 and PSYC 3101 must be taken together.

Electives**Physical Therapy:**

PHYS 1302	Gen Phy-Snd,Lght, Elec, & Mag
PHYS 1102	General Physics Laboratory II
PSYC 3374	Development Psychology
HLTH 2372	Health & Medical Terminology
Math (Upper level)	

Occupational Therapy:

SOCI 1301	Principles Of Sociology
PSYC 3331	Abnormal Psychology
PSYC 3374	Development Psychology
HLTH 2372	Health & Medical Terminology

Suggested Electives:

ATTR 3369	Therapeutic Interventions I
ATTR 4369	Therapeutic Interventions II
ATTR 4300	Care of the Lower Extremity
ATTR 4310	Care of the Upper Extremity
ATTR 3383	Head & Face Injuries in Sport
KINE 4369	Adapted Physical Activity