

BACHELOR OF SCIENCE, MAJOR IN HEALTH SCIENCES: 3+2 MSAT

In the 3+2 degree option, students must apply and be accepted to the **Master of Science in Athletic Training (MSAT)** program to complete the dual degree. Students who are not accepted to the MSAT should complete the associated BS degree. Students who complete the MSAT 3+2 dual degrees are awarded both the BS and MSAT degrees upon completion of the 3+2 degree requirements. Below are the requirements for the BS in Health Sciences: 3+2 MSAT.

Students planning to pursue the 3+2 MSAT option must complete the Graduate Application process and be accepted to the MSAT program. In order to apply to the 3+2 MSAT program students must complete all undergraduate degree plan requirements (minimum of 98 semester credit hours) and all admission requirements.

Students may apply to the program while coursework is in-progress but may not begin the graduate MSAT program until the prescribed 98 undergraduate semester credit hours are completed.

Once a student is accepted to the graduate MSAT program (<http://catalog.shsu.edu/archives/2022-2023/graduate-and-professional/college-departments/health-sciences/kinesiology/ms-athletic-training/>), students are eligible to begin the MSAT program upon completion of all admission requirements. The graduate program will begin in the Summer I semester term each year and will run as a cohort model. **If a student is not accepted, or does not successfully progress through graduate MSAT coursework, then the student will return to the BS in Health Sciences degree (<http://catalog.shsu.edu/archives/2022-2023/undergraduate/colleges-academic-departments/health-sciences/public-health/bs-health-sciences/>) to complete their BS degree.**

MSAT Graduate Catalog page (<http://catalog.shsu.edu/archives/2022-2023/graduate-and-professional/college-departments/health-sciences/kinesiology/ms-athletic-training/>)

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Code	Title	Hours
Bachelor of Science, Major in Health Science: 3+2 MSAT		
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		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) ⁴		3
Component Area IX (Component Area Option) ⁵		4
Degree Specific Requirements		
BIOL 2403 or BIOL 2401	Human Anatomy & Physiology I ² Human Anatomy	4
BIOL 2404 or BIOL 2402	Human Anatomy & Physiology II ⁶ Human Physiology	4
CHEM 1411 or CHEM 1406	General Chemistry I ² Inorganic & Envir Chemistry	4
KINE 2115	Lifetime Health and Wellness ⁵	1
MATH 1314 or MATH 1410 or MATH 1420	Pre Calculus Algebra ¹ Elementary Functions Calculus I	3
MATH 1370 or MATH 3379 or MATH 1342 or STAT 3379	Intro Biomedical Statistics ⁷ Statistical Mthods in Practice Elementary Statistics Statistical Methds in Practice	3
PSYC 1301	Introduction To Psychology ⁴	3

Major: Foundation (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
Major: Prescribed Electives		
ATTR 2300	Intro to Athletic Training	3
ATTR 3370	Prevention & Care of Injuries	3
BIOL 1413	General Zoology	4
COMS 1361	Public Speaking ⁵	3
FACS 2362	Nutrition	3
KINE 3362	Functional Kinesiology	3
KINE 3373	Physiology of Exercise	3
MATH 1316	Plane Trigonometry	3
PHYS 1301 & PHYS 1101	General Phy-Mechanics & Heat and General Physics Laboratory I	4
3+2 MSAT ⁸		
ATTR 5210	Clinical Experiences in Athletic Training I	2
ATTR 5220	Clinical Experiences in Athletic Training II	2
ATTR 5230	Clinical Experiences in Athletic Training III	2
ATTR 5240	Clinical Experiences in Athletic Training IV	2
ATTR 5300	Injury Prevention and Protective Strategies	3
ATTR 5310	Clinical Evaluation and Assessment Fundamentals	3
ATTR 5311 & ATTR 5111	Lower Extremity Injuries and Lower Extremity Injuries Lab	4
ATTR 5312 & ATTR 5112	Upper Extremity Injuries and Upper Extremity Injuries Lab	4
ATTR 5313	Head and Facial Injuries in Sport	3
ATTR 5314	Spine and Pelvis Injuries	3
ATTR 5315 & ATTR 5115	Non-Orthopedic Pathologies in Sport and Exercise and Non-Orthopedic Pathologies Lab	4
ATTR 5320	Acute and Emergency Care in Athletic Training	3
ATTR 5330 & ATTR 5130	Therapeutic Interventions I and Therapeutic Intervention I Lab	4
ATTR 5331 & ATTR 5131	Therapeutic Interventions II and Therapeutic Intervention II Lab	4
ATTR 5340	Administration in Athletic Training	3
ATTR 5350	Immersive Clinical Experiences in Athletic Training	3
HLTH 5371	Health Care Quality & Safety	3
HLTH 5378	Health Care Informatics	3
KINE 5374	Applied Research Methods in Kinesiology	3
Minor: Not Required ^{9,10}		
Total Hours		154-155

¹ MATH 1314 satisfies the Core Curriculum requirement for Component Area II (Mathematics).

² Satisfies Core Curriculum requirement for Component Area III (Life and Physical Science). BIOL 2403 and CHEM 1411 are recommended.

³ SOCI 2319 is recommended and satisfies Core Curriculum requirement for Component Area IV (Language, Philosophy, and Culture).

⁴ PSYC 1301 satisfies Core Curriculum requirement for Component Area VIII (Social and Behavioral Sciences).

⁵ COMS 1361 and KINE 2115 satisfy Core Curriculum requirement for Component Area IX (Component Area Option).

⁶ BIOL 2404 is recommended.

⁷ STAT 3379 is recommended.

⁸ Students planning to pursue the 3+2 MSAT option must complete the Graduate Application process and be accepted to the MSAT program. In order to apply to the 3+2 MSAT program students must complete all undergraduate degree plan requirements (minimum of 98 semester credit hours) and all admission requirements.

Once a student is accepted to the graduate MSAT program (<http://catalog.shsu.edu/archives/2022-2023/graduate-and-professional/college-departments/health-sciences/kinesiology/ms-athletic-training/>), students are eligible to begin the MSAT program upon completion of all admission requirements. The graduate program will begin in the Summer I semester term each year and will run as a cohort model. **If a student is not accepted, or does not successfully progress through graduate MSAT coursework, then the student will return to the BS in Health Sciences degree** (<http://catalog.shsu.edu/archives/2022-2023/undergraduate/colleges-academic-departments/health-sciences/public-health/bs-health-sciences/>) **to complete their BS degree.**

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⁹ A minor is not required for this degree program; however, a student has the option to add a minor, but to do so additional semester credits hours will be needed above the degree program's stated total semester credit hours.

¹⁰ The following minor cannot be paired with this degree program: Minor in Health.

Code	Title	Hours
The courses below will be replaced with graduate level courses in the MSAT:		
HLTH 3355	US Health Care Systems	3
HLTH 4393	Prof Prep Health Careers	3
HLTH 4394	Internship Program	3
Electives (3000-level or 4000-level)		15
Total Hours		24

Notes

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

Students must meet a 2.0 minimum overall major GPA in all major coursework.

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

Students must meet a 2.0 minimum SHSU major GPA in all major coursework.

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.

HLTH 3350 and HLTH 4387 requires 55 credit hours completed.

HLTH 3360 requires a prerequisite of one of the following: MATH 1342, MATH 1370, MATH 3379, or STAT 3379

KINE 3362 requires a prerequisite of BIOL 2401 and BIOL 2403 and 60 credit hours.

MATH 1316, MATH 1410, or MATH 1420 are prerequisites for PHYS 1101 and PHYS 1301. A grade of "C" or higher is required for courses.

First Year

Fall	Hours	Spring	Hours
Component Area IV (http://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaiv) ¹		3 CHEM 1411 or 1406 ⁵	4
BIOL 1413		4 ENGL 1302 ²	3
ENGL 1301 ²		3 HIST 1302 ³	3
HIST 1301 ³		3 HLTH 2372	3

MATH 1314, 1410, or 1420 ⁴		3-4 MATH 1370, 3379, 1342, or 3379 ⁶		3	
		16-17			16
Second Year					
Fall	Hours	Spring	Hours		
BIOL 2403 or 2401 ⁶		4 ATTR 2300		3	
HLTH 1360		3 BIOL 2404 or 2402 ¹⁰		4	
HLTH 2383		3 KINE 3362		3	
KINE 2115 ⁷		1 MATH 1316		3	
POLS 2305 ⁸		3 POLS 2306 ⁸		3	
PSYC 1301 ⁹		3			
		17			16
Third Year					
Fall	Hours	Spring	Hours	Summer	Hours
Component Area V (http://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareav)		3 COMS 1361 ⁷		3 Students who are accepted into the MSAT with follow this degree path; students not accepted will continue with the BS in Health Sciences. ¹¹	
ATTR 3370		3 FACS 2362		3 ATTR 5300 ¹¹	3
HLTH 2391		3 HLTH 3350		3 ATTR 5310 ¹¹	3
KINE 3373		3 HLTH 3360		3 ATTR 5320 ¹¹	3
PHYS 1301 & PHYS 1101		4 HLTH 3355		3	
		16			15
					9
Fourth Year					
Fall	Hours	Spring	Hours	Summer	Hours
ATTR 5111		1 ATTR 5112		1 ATTR 5314	3
ATTR 5130		1 ATTR 5131		1 ATTR 5230	2
ATTR 5210		2 ATTR 5220		2 HLTH 5378	3
ATTR 5311		3 ATTR 5312		3 KINE 5374	3
ATTR 5330		3 ATTR 5313		3	
		ATTR 5331		3	
		10			13
					11
Fifth Year					
Fall	Hours	Spring	Hours		
ATTR 5350		3 ATTR 5115		1	
HLTH 5371		3 ATTR 5240		2	
		ATTR 5315		3	
		ATTR 5340		3	
		6			9

Total Hours: 154-155

- 1 SOCI 2319 recommended and satisfies Core Curriculum requirement for Component Area IV (Language, Philosophy, and Culture).
- 2 Satisfies Core Curriculum requirement for Component Area I (Communications).
- 3 Satisfies Core Curriculum requirement for Component Area VI (U.S. History).
- 4 MATH 1314 satisfies Core Curriculum requirement for Component Area II (Mathematics).
- 5 Satisfies Core Curriculum requirement for Component Area III (Life and Physical Science).BIOL 2403 and CHEM 1411 are recommended.
- 6 STAT 3379 recommended.
- 7 COMS 1361 and KINE 2115 satisfy one hour of Core Curriculum requirement for Component Area IX (Component Area Option).

8 Satisfies Core Curriculum requirement for Component Area VII (Political Science/Government).
 9 Satisfies Core Curriculum requirement for Component Area VIII (Social and Behavioral Sciences).
 10 BIOL 2404 recommended.

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The BS in Health Sciences: 3+2 MSAT Option is designed to provide graduates with the following marketable skills:

- Recognize and identify specific health and social needs of diverse populations.
- Make informed decisions relative to the political, economic, social, legal, and ethical issues that influence the health care profession.
- Employ proactive skills and competencies in the areas of preventive health and wellness.
- Analyze data to make good programmatic decisions.
- Synthesize the body systems and their relationship to diseases and disorders as they serve as determinants of health.
- Communicate and collaborate with other healthcare professions.
- Promote healthy lifestyle behaviors to minimize the risk of injury and illness.
- Implement systematic, evidence-based examinations and assessments to determine best care for active patient populations.
- Utilize best practices in immediate and emergency care situations.
- Apply therapeutic interventions, including therapeutic modalities, manual therapies, and therapeutic exercise.
- Integrate best practices of policy development, documentation practices, and basic business practices to promote optimal patient care.