

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/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/undergraduate/colleges-academic-departments/health-sciences/population-health/bs-health-sciences/>) to complete their BS degree.**

MSAT Graduate Catalog page (<https://shsu-preview.courseleaf.com/undergraduate/colleges-academic-departments/health-sciences/population-health/bs-health-sciences-and-msat-athletic-training/>)

BS in Health Sciences Catalog page (<http://catalog.shsu.edu/undergraduate/colleges-academic-departments/health-sciences/population-health/bs-health-sciences/>)

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 Methods in Practice Elementary Statistics Statistical Methods 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 MSAT⁸		
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 (<https://shsu-curr.courseleaf.com/search/?P=SOCI%202319>) 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/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/undergraduate/colleges-academic-departments/health-sciences/population-health/bs-health-sciences/>) to complete their BS degree.**

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

BS in Health Sciences Catalog page (<http://catalog.shsu.edu/undergraduate/colleges-academic-departments/health-sciences/population-health/bs-health-sciences/>)

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 (<http://catalog.shsu.edu/search/?P=BIOL%202402>) requires a grade of "C" or higher in BIOL 2401 (<http://catalog.shsu.edu/search/?P=BIOL%202401>) and CHEM 1406 (<http://catalog.shsu.edu/search/?P=CHEM%201406>).

BIOL 2404 (<http://catalog.shsu.edu/search/?P=BIOL%202404>) requires a "C" or higher in BIOL 2403 (<http://catalog.shsu.edu/search/?P=BIOL%202403>).

HLTH 3350 (<http://catalog.shsu.edu/search/?P=HLTH%203350>) and HLTH 4387 (<http://catalog.shsu.edu/search/?P=HLTH%204387>) requires 55 credit hours completed.

HLTH 3360 (<http://catalog.shsu.edu/search/?P=HLTH%203360>) requires a prerequisite of one of the following: MATH 1342 (<http://catalog.shsu.edu/search/?P=MATH%201342>), MATH 1370 (<http://catalog.shsu.edu/search/?P=MATH%201370>), MATH 3379 (<http://catalog.shsu.edu/search/?P=MATH%203379>), or STAT 3379 (<http://catalog.shsu.edu/search/?P=STAT%203379>).

KINE 3362 (<http://catalog.shsu.edu/search/?P=KINE%203362>) requires a prerequisite of BIOL 2401 (<http://catalog.shsu.edu/search/?P=BIOL%202401>) or BIOL 2403 (<http://catalog.shsu.edu/search/?P=BIOL%202403>) and 60 credit hours.

MATH 1316 (<http://catalog.shsu.edu/search/?P=MATH%201316>), MATH 1410 (<http://catalog.shsu.edu/search/?P=MATH%201410>) or MATH 1420 (<http://catalog.shsu.edu/search/?P=MATH%201420>) are prerequisites for PHYS 1101 (<http://catalog.shsu.edu/search/?P=PHYS%201101>) and PHYS 1301 (<http://catalog.shsu.edu/search/?P=PHYS%201301>). 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/#componentareiv) 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 will 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 (<https://shsu-curr.courseleaf.com/search/?P=BIOL%202403>) and CHEM 1411 (<https://shsu-curr.courseleaf.com/search/?P=CHEM%201411>) are recommended.
- 6 STAT 3379 recommended.
- 7 COMS 1361 (<https://shsu-curr.courseleaf.com/search/?P=COMS%201361>) and KINE 2115 (<https://shsu-curr.courseleaf.com/search/?P=KINE%202115>) 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.
- 11 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/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/undergraduate/colleges-academic-departments/health-sciences/population-health/bs-health-sciences/>) to complete their BS degree.**
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The following minor cannot be paired with this degree program: Minor in Health.

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 or BIOL 2403 and 60 credit hours.

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

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.