

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

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 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 3360	Epidemiology	3
PSYC 3374	Development Psychology	3
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	Appld Rsrch Mthd-Kin & Spt Mgt	3

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 (<http://catalog.shsu.edu/archives/2021-2022/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 95 semester credit hours) and all admission requirements. Once a student is accepted to the graduate MSAT program, 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. Students may apply to the program while coursework is in-progress but may not begin the graduate MSAT program until the 95 semester credit hours are completed.

Notes

BIOL 2402 (<http://catalog.shsu.edu/archives/2021-2022/search/?P=BIOL%202402>) requires a grade of "C" or higher in BIOL 2401 (<http://catalog.shsu.edu/archives/2021-2022/search/?P=BIOL%202401>) and CHEM 1406 (<http://catalog.shsu.edu/archives/2021-2022/search/?P=CHEM%201406>).

BIOL 2404 (<http://catalog.shsu.edu/archives/2021-2022/search/?P=BIOL%202404>) requires a "C" or higher in BIOL 2403 (<http://catalog.shsu.edu/archives/2021-2022/search/?P=BIOL%202403>).

HLTH 3350 (<http://catalog.shsu.edu/archives/2021-2022/search/?P=HLTH%203350>) and HLTH 4387 (<http://catalog.shsu.edu/archives/2021-2022/search/?P=HLTH%204387>) requires 55 credit hours completed.

HLTH 3360 (<http://catalog.shsu.edu/archives/2021-2022/search/?P=HLTH%203360>) requires a prerequisite of one of the following: MATH 1342 (<http://catalog.shsu.edu/archives/2021-2022/search/?P=MATH%201342>), MATH 1370 (<http://catalog.shsu.edu/archives/2021-2022/search/?P=MATH%201370>), MATH 3379 (<http://catalog.shsu.edu/archives/2021-2022/search/?P=MATH%203379>), or STAT 3379 (<http://catalog.shsu.edu/archives/2021-2022/search/?P=STAT%203379>)

KINE 3362 (<http://catalog.shsu.edu/archives/2021-2022/search/?P=KINE%203362>) requires a prerequisite of BIOL 2401 (<http://catalog.shsu.edu/archives/2021-2022/search/?P=BIOL%202401>) or BIOL 2403 (<http://catalog.shsu.edu/archives/2021-2022/search/?P=BIOL%202403>) and 60 credit hours.

MATH 1316 (<http://catalog.shsu.edu/archives/2021-2022/search/?P=MATH%201316>) or MATH 1410 (<http://catalog.shsu.edu/archives/2021-2022/search/?P=MATH%201410>) or MATH 1420 (<http://catalog.shsu.edu/archives/2021-2022/search/?P=MATH%201420>) are prerequisites for PHYS 1101 (<http://catalog.shsu.edu/archives/2021-2022/search/?P=PHYS%201101>) and PHYS 1301 (<http://catalog.shsu.edu/archives/2021-2022/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/#componentareaiv) ¹		3 CHEM 1411 or 1406 ⁵		4
BIOL 1413		4 ENGL 1302 ¹		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 ⁵		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 ATTR 5300 ¹¹	3
ATTR 3370		3 FACS 2362		3 ATTR 5310	3
HLTH 2391		3 HLTH 3350		3 ATTR 5320	3
KINE 3373		3 HLTH 3360		3	
PHYS 1301 & PHYS 1101		4 PSYC 3374		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 (<http://catalog.shsu.edu/archives/2021-2022/search/?P=BIOL%202403>) and CHEM 1411 (<http://catalog.shsu.edu/archives/2021-2022/search/?P=CHEM%201411>) are recommended.
- 6 STAT 3379 recommended.
- 7 COMS 1361 (<http://catalog.shsu.edu/archives/2021-2022/search/?P=COMS%201361>) and KINE 2115 (<http://catalog.shsu.edu/archives/2021-2022/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 95 semester credit hours) and all admission requirements. Once a student is accepted to the graduate MSAT program, 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. Students may apply to the program while coursework is in-progress but may not begin the graduate MSAT program until the 95 semester credit hours are completed.

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(<http://catalog.shsu.edu/archives/2021-2022/search/?P=PHYS%201101>) and PHYS 1301 (<http://catalog.shsu.edu/archives/2021-2022/search/?P=PHYS%201301>). 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.