BACHELOR OF SCIENCE, MAJOR IN KINESIOLOGY (CLINICAL EXERCISE SCIENCE): 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 Kinesiology with Concentration in Clinical Exercise Science + 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 95 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 95 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 Kinesiology - Clinical Exercise Science **(**http://catalog.shsu.edu/archives/2022-2023/undergraduate/colleges-academic-departments/health-sciences/kinesiology/bs-kinesiology-clinical-exercise-science/**) to complete their BS degree.**

MSAT Graduate Catalog (https://www.shsu.edu/academics/health-sciences/kinesiology/graduate/athletic-training.html)

BS Kinesiology - Clinical Exercise Science: (http://catalog.shsu.edu/archives/2022-2023/undergraduate/colleges-academic-departments/health-sciences/kinesiology/bs-kinesiology-clinical-exercise-science/)

Code	Title	Hours
Bachelor of Science, Major in Kinesiology (Clinical Exercise Science): 3+2 MSAT		
Core Curriculum **(**http://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) [2,3]		8
Component Area IV (Language, Philosophy, and Culture) [4]		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) [5]		3
Component Area IX (Component Area Option) [6]		4
Degree Specific Requirements		
BIOL 1406	General Biology I [2,3,8]	4
BIOL 2403	Human Anatomy & Physiology I [2,7]	4
BIOL 2404	Human Anatomy & Physiology II [2,7]	4
CHEM 1411	General Chemistry I [2]	4
COMS 1361	Public Speaking [6]	3
FACS 2362	Nutrition	3
KINE 1331 or ATTR 2300	Foundations of Kinesiology [8] Intro to Athletic Training	3
KINE 2115	Lifetime Health and Wellness [6]	1
MATH 1314	Pre Calculus Algebra [1]	3
MATH 1316	Plane Trigonometry	3
PHYS 1301 & PHYS 1101	General Phy-Mechanics & Heat and General Physics Laboratory I	4
PSYC 1301	Introduction To Psychology [5]	3
Select one of the following:		3-4

BIOL 4374	Biostatistics [9]	
MATH 3379	Statistical Mthods in Practice	
PSYC 3401	Research Methods [9]	
Major: Foundation		
KINE 2114	Wgt Train & Phy Conditioning	1
KINE 3362	Functional Kinesiology [8]	3
KINE 3364	Motor Learning [8]	3
KINE 3373	Physiology of Exercise [8]	3
Major: Required		
ATTR 3370	Prevention & Care of Injuries [8]	3
ATTR 4369	Therapeutic Exercise Interventions	3
or KINE 4314	Advanced Strength Training	
KINE 3173	Exercise Physiology Laboratory	1
KINE 4362	Biomechanical Analysis	3
KINE 4373	Adv Tpcs in Physlgy of Exercis	3
KINE 4377	Prin Exer Testing/Prescription	3
Major: Prescribed Electives [10]		**3**
3+2 MSAT [11]		
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 [12]		
Total Hours		**153-154**

1 MATH 1314 and MATH 1316 satisfy the Core Curriculum requirement for Component Area II (Mathematics).

2 BIOL 1406, BIOL 2403, BIOL 2404, and CHEM 1411 satisfy Core Curriculum requirement for Component Area III (Life and Physical Science).

3 BIOL 1406 is required.

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

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

6 COMS 1361 and KINE 2115 satisfy 6 Core Curriculum requirement for Component Area IX (Component Area Option).

7 Must take eight hour sequence of BIOL 2403 and BIOL 2404, and these courses must be taken early in the degree plan to allow proper sequencing of classes.

8 ATTR 2300 is recommended for MSAT 3+2 prospective students and includes 75 observation clinical hours. KINE 1331 or ATTR 2300 is a prerequisite for ATTR 3370, KINE 3362, KINE 3364, and KINE 3373.

[9] STAT 3379 is recommended, and PSYC 3401 will add one semester credit hour to the degree program.

[10] The Prescribed Electives will include courses from ATTR, BIOL, CHEM, HLTH, KINE, PHYS, or PSYC and should be upper level to meet the 42 advanced hour requirement. HLTH 2372, HLTH 3350, HLTH 3360, KINE 4335 are recommended for MSAT 3+2 prospective students. Other suggested electives include: ATTR 4369 & KINE 4369; KINE 4117 and KINE 4392 can be taken for students wanting to gain research experience.

[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.

[12] The following minor cannot be paired with this degree program: Minor in Kinesiology.

Code	Title	Hours
The courses below will be replaced with graduate level courses in the MSAT:		
ENGL 3330	Intro to Technical Writing	3
KINE 4375	Kinesiology Research Methods	3
KINE 4393	Prncples& Prac of Adlt Fit Mgt	3
KINE 4394	Internship	3
KINE 4395	Internship II	3
Major: Prescribed Electives		10
Total Hours		**25**

Notes

The MSAT program has a minimum GPA requirement of 3.25 or higher. For more specific MSAT admission requirements, please see the Graduate Catalog page (http://catalog.shsu.edu/archives/2022-2023/graduate-and-professional/college-departments/health-sciences/kinesiology/ms-athletic-training/#admissiontext) for more information.

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.

Students who are preparing to apply to graduate programs should earn a "C" or better in their coursework. All KINE majors and/or minors must earn a "C" or better for all KINE/ATTR courses and all MSAT prospective students must earn a "C" or better in all pre-requisite courses.

Students must take BIOL 2403 and BIOL 2404 as an 8 hour sequence and this should be taken early in the degree program.

Students should take ATTR 2300 or KINE 1331 early in the sophomore year to prepare for upper level KINE and ATTR courses.

ATTR 2300 is recommended for MSAT 3+2 prospective students and includes 75 observation clinical hours. KINE 1331 or ATTR 2300 is a prerequisite for ATTR 3370, KINE 3362, KINE 3364, and KINE 3373.

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 with a "C" or higher, is a prerequisite forCHEM 1412.

MATH 3379 requires 3 hours of college math.

KINE 3362 requires prerequisites of KINE 1331 or ATTR 2300, BIOL 2403, and 45+ hours.

KINE 3364 requires KINE 1331 or ATTR 2300 and 45+ hours.

ATTR 3370 requires prerequisites KINE 1331 or ATTR 2300 and BIOL 2403 and 60+ hours.

KINE 3373 requires prerequisites KINE 1331 or ATTR 2300 and BIOL 2403 and BIOL 2404 and 45+ hours.

KINE 4314 requires prerequisites of KINE 2114 and KINE 3373.

KINE 4362 requires prerequisites of KINE 3362, PHYS 1301 and PHYS 1101.

KINE 4373 requires a prerequisite of KINE 3373.

KINE 4377 requires a prerequisite of KINE 3362 and KINE 3373.

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

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 BIOL 2404[2,3]		4	
BIOL 2403[2,3]		4 ENGL 1302[4]		3	
ENGL 1301[4]		3 HIST 1302[5]		3	
HIST 1301[5]		3 MATH 1316[6]		3	
MATH 1314[6]		3 PSYC 1301[7]		3	
	16		**16**		

Second Year

Fall	Hours	Spring	Hours		
ATTR 2300 or KINE 1331[8]		3 CHEM 1411		4	
BIOL 1406		4 FACS 2362		3	
BIOL 4374, MATH 3379, PSYC 3401, or STAT 3379[9]		3-4 KINE 3362		3	
COMS 1361[10]		3 POLS 2305[11]		3	
KINE 2114		1 POLS 2306[11]		3	
KINE 2115[10]		1			
	15-16		**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 ATTR 4369 or KINE 4314		3 Students who are accepted into the MSAT with follow this degree path; students not accepted will continue with the BS in Kinesiology - Clinical Exercise Science[13]	
ATTR 3370		3 KINE 3173		1 ATTR 5300[13]	3
KINE 3364		3 KINE 4362		3 ATTR 5310[13]	3
KINE 3373		3 KINE 4373		3 ATTR 5320[13]	3
PHYS 1301 & PHYS 1101		4 KINE 4377[12]		3	
		Prescribed Electives[12]		3	
	16		**16**		**9**

Fourth Year

Fall	Hours	Spring	Hours	Summer	Hours
ATTR 5111		1 ATTR 5112		1 ATTR 5230	2

ATTR 5130	1 ATTR 5131	1 ATTR 5314	3
ATTR 5210	2 ATTR 5220	2 HLTH 5374	3
ATTR 5311	3 ATTR 5312	3 HLTH 5378	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: 153-154

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

2 BIOL 1413, BIOL 2403, BIOL 2404, and CHEM 1411 satisfy Core Curriculum requirement for Component Area III (Life and Physical Sciences) and BIOL 1413 is recommended.

3 Must take 8 hour sequence of BIOL 2401 and BIOL 2402 or 8 hour sequence of BIOL 2403 and BIOL 2404, and these courses must be taken early in the degree plan to allow proper sequencing of classes.

4 Satisfies the Core Curriculum requirement for Component Area I (Communication).

5 Satisfies the Core Curriculum requirement for Component Area VI (U.S. History).

6 MATH 1314 and MATH 1316 satisfy the Core Curriculum requirement for Component Area II (Mathematics).

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

8 ATTR 2300 is recommended for MSAT 3+2 prospective students and includes 75 observation clinical hours. KINE 1331 or ATTR 2300 is a prerequisite for ATTR 3370 KINE 3362, and KINE 3373.

9 STAT 3379 is recommended and PSYC 3401 will add one semester credit hour to the degree plan.

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

11 Satisfies Core Curriculum requirement for Component Area VII (Political Science/Government).

12 Prescribed Electives must be upper level to meet 42 advanced hour requirement and be selected from ATTR, BIOL, CHEM, HLTH, KINE, PHYS, or PSYC. HLTH 2372, HLTH 3350, HLTH 3360, KINE 4335 are recommended for MSAT 3+2 prospective students. Other suggested electives include: ATTR 4369 & KINE 4369; KINE 4117 and KINE 4392 can be taken for students wanting to gain research experience.

13 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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BS Kinesiology - Clinical Exercise Science (http://catalog.shsu.edu/archives/2022-2023/undergraduate/colleges-academic-departments/health-sciences/kinesiology/bs-kinesiology-clinical-exercise-science/)

Notes

The MSAT program has a minimum GPA requirement of 3.25 or higher. For more specific MSAT admission requirements, please see the Graduate Catalog page (http://catalog.shsu.edu/archives/2022-2023/graduate-and-professional/college-departments/health-sciences/kinesiology/ms-athletic-training/#admissiontext) for more information.

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.

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.

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

Students who are preparing to apply to graduate programs should earn a "C" or better in their coursework. All KINE majors and/or minors must earn a "C" or better for all KINE/ATTR courses and all MSAT prospective students must earn a "C" or better in all pre-requisite courses.

Students should take ATTR 2300 or KINE 1331 early in the sophomore year to prepare for upper level KINE and ATTR courses.

ATTR 2300 is recommended for MSAT 3+2 prospective students and includes 75 observation clinical hours. KINE 1331 or ATTR 2300 is a prerequisite for ATTR 3370, KINE 3362, KINE 3364, and KINE 3373.

Students must take BIOL 2403 and BIOL 2404 as an 8 hour sequence and this should be taken early in the degree program.

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

CHEM 1411 with a "C" or higher, is a prerequisite for CHEM 1412.

MATH 3379 requires 3 hours of college math.

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

ATTR 3370 requires prerequisites of KINE 1331 or ATTR 2300, BIOL 2403 and 45+ hours.

KINE 3373 requires a prerequisites of KINE 1331 or ATTR 2300, BIOL 2403, and BIOL 2404 and 45 hours.

KINE 3362 requires prerequisites of KINE 1331 or ATTR 2300, BIOL 2403, and 45+ hours.

KINE 3364 requires prerequisites of KINE 1331 or ATTR 2300, and 45+ hours.

KINE 4314 requires prerequisites of KINE 2114 and KINE 3373.

KINE 4362 requires a prerequisite of KINE 3362, PHYS 1301, and PHYS 1101.

KINE 4377 requires a prerequisite of KINE 3362 and KINE 3373.

KINE 4373 requires a prerequisite of KINE 3373

The Texas Higher Education Coordinating Board (THECB) marketable skills initiative is part of the state’s 60x30TX plan and was designed to help students articulate their skills to employers. Marketable skills are those skills valued by employers and/or graduate programs that can be applied in a variety of work or education settings and may include interpersonal, cognitive, and applied skill areas.

The BS in Kinesiology (Clinical Exercise Science): 3+2 MSAT option is designed to provide graduates with the following marketable skills:

- Exercise assessment and prescription.
- Fitness program design and implementation.
- Critical thinking and decision making related to ethical and professional responsibilities in exercise science.
- Strategies for performance enhancement and prevention of injuries.
- Effective communication with a range of audiences in exercise science settings.
- 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.