

# ALLIED HEALTH TECHNOLOGY, B.S. - SPORTS MEDICINE

The Sports Medicine degree program is for students who envision a future career in healthcare professions such as Athletic Trainer, Physical Therapist, Occupational Therapist, Physician Assistant, or Orthopedic Medicine – a branch of medicine that focuses on the care of the skeletal system. This academic major provides students with the foundational knowledge of the human body, sport performance, and basic injury care. This major also provides students with the prerequisite coursework they will need to become eligible for graduate school.

## Major in Allied Health Tech-Sports Medicine, BS

Code	Title	Hours
<b>BIOLOGY FOUNDATIONS</b>		
General Biology with B- or higher		3
BIOL 100	General Biology	
<b>REQUIRED BIOLOGY COURSES (C- or higher)</b>		
Must earn a C- or higher in all required Biology courses.		
BIOL 254	Human Anatomy & Physiology I	4
BIOL 255	Human Anatomy & Physiology II	4
BIOL 352	Nutritional Science	3
BIOL 362	Cell and Developmental Biology	4
BIOL 364	Foundations of Genetics & Molecular Biology	4
BIOL 375	Biometry	3
BIOL 361	Microbiology	4
<b>REQUIRED WELLNESS SPORT SCIENCES COURSES</b>		
WSSD 311	Resp to Emergen: First Aid CPR	3
WSSD 375	Prevention and Care of Athletic Injuries	3
WSSD 450	Kinesiology and Phys Found of Sport	3
WSSD 452	Nutrition for Performance Enhancement	3
Sport Psychology - Choose 1 of the following:		3
WSSD 485	Perf Enhance:Mntl Trng in Sprt	
WSSD 582	Sport Psychology	
WSSD 491	Exercise Physiology	3
WSSD 492	Seminar in Sport Science	3
<b>SPORTS MEDICINE ELECTIVES <sup>1</sup></b>		
undefined - Choose 6 hours from:		6
BIOL 300	Co-Op Ed Experience in Biol	
BIOL 454	Immunology	
BIOL 363	Medical Microbiology	
BIOL 438	Neurobiology	
BIOL 463	Virology	
BIOL 465	Developmental Biology	
BIOL 498	Independent Study	
WSSD 483	Legal Aspects of Sport	
WSSD 300	Co-Op Ed Experience in Wssd	
WSSD 400	Co-Op Ed Experience in Wssd	
WSSD 498	Ind Stdy:	

In consultation with your advisor, choose a minimum of 6 credits from the following recommended courses. At least 2 credits must be from Biology (BIOL).

**Total Hours** 56

## Req Related for Allied Hlth Tech-Sports Med, BS

**Code** **Title** **Hours**

For Allied Health Technology majors the G2 block of the Liberal Arts Core will be fulfilled by your required related coursework.

CHEM 111	Introductory Chemistry 1	4
CHEM 112	Introductory Chemistry 2	4
ORGANIC CHEMISTRY - Choose 1 of the following:		4-8

A C- or higher in CHEM 111 and 112 is a pre-requisite for CHEM 235. A C- or higher in CHEM 231 is a pre-requisite for CHEM 232. Students planning to attend graduate school or pursue programs in medical, dental, veterinary, pharmacy, or physician assistant after their clinical training should take CHEM 231 and 232 for this requirement.

Short Course in Organic Chemistry - See Appendix 1

Organic Chemistry I and Organic Chemistry II - See Appendix 2

CHEM 326	Biochemistry 1	4
Precalculus		4
MATH 160	Precalculus	

Students interested in attending graduate or professional school should also take MATH 161

**PHYSICS - Choose 1 of the following options 1-4:** 8-10

Option 1. Physics with Algebra

PHYS 131 Physics 1 with Algebra

PHYS 132 Physics 2 with Algebra

Option 2. Physics with Calculus

PHYS 231 Physics 1 with Calculus

PHYS 232 Physics 2 with Calculus

Option 3. Physics 1 with Algebra and 2 with Calc

PHYS 131 Physics 1 with Algebra

PHYS 232 Physics 2 with Calculus

Option 4. Physics 1 with Calc and 2 with Algebra

PHYS 132 Physics 2 with Algebra

PHYS 231 Physics 1 with Calculus

Health Psychology 3

PSYC 356 Health Psychology

PSYC 100 and 227 or 228 should be taken as G3 electives, they are pre-requisites for PSYC 356. PHIL 100 (G1), SOCY 101 or ANTH 121 (G3), BIOL 207 (D, W) and COMM 461 (P) are also recommended courses to help students fulfill graduate school pre-requisites.

**Total Hours** 31-37

## Appendix 1. Short Course in Organic Chemistry

Code	Title	Hours
CHEM 235	Organic Chemistry	4

## Appendix 2. Organic Chemistry I and Organic Chemistry II

Code	Title	Hours
CHEM 231	Organic Chemistry 1	4
CHEM 232	Organic Chemistry 2	4