

# SPORTS MEDICINE - B.S.

College of Public Health and Health Sciences  
www.kent.edu/publichealth

## About This Program

The Bachelor of Science in Sports Medicine program equips you with the knowledge and skills needed to work with athletes and patients to prevent, diagnose and treat injuries. With access to advanced facilities, expert faculty and real-world opportunities, you will be prepared for a fulfilling career in sports medicine. Read more...

## Contact Information

- **Jay C. Jonas, Ph.D.** | jjonas2@kent.edu | 330-672-7900
- Speak with an Advisor
- Chat with an Admissions Counselor

## Program Delivery

- **Delivery:**
  - In person
- **Location:**
  - Kent Campus

## Examples of Possible Careers and Salaries\*

### Exercise physiologists

- 11.3% much faster than the average
- 19,800 number of jobs
- \$50,280 potential earnings

### Physical therapists

- 18.2% much faster than the average
- 258,200 number of jobs
- \$91,010 potential earnings

\* Source of occupation titles and labor data comes from the U.S. Bureau of Labor Statistics' Occupational Outlook Handbook. Data comprises projected percent change in employment over the next 10 years; nation-wide employment numbers; and the yearly median wage at which half of the workers in the occupation earned more than that amount and half earned less.

## Admission Requirements

The university affirmatively strives to provide educational opportunities and access to students with varied backgrounds, those with special talents and adult students who graduated from high school three or more years ago.

**First-Year Students on the Kent Campus:** First-year admission policy on the Kent Campus is selective. Admission decisions are based upon cumulative grade point average, strength of high school college preparatory curriculum and grade trends. Students not admissible to the Kent Campus may be administratively referred to one of the

seven regional campuses to begin their college coursework. For more information, visit the admissions website for first-year students.

**First-Year Students on the Regional Campuses:** First-year admission to Kent State's campuses at Ashtabula, East Liverpool, Geauga, Salem, Stark, Trumbull and Tuscarawas, as well as the Twinsburg Academic Center, is open to anyone with a high school diploma or its equivalent. For more information on admissions, contact the Regional Campuses admissions offices.

**International Students:** All international students must provide proof of proficiency of the English language (unless they meet specific exceptions) through the submission of an English language proficiency test score or by completing English language classes at Kent State's English as a Second Language Center before entering their program. For more information, visit the admissions website for international students.

**Former Students:** Former Kent State students or graduates who have not attended another college or university since Kent State may complete the reenrollment or reinstatement form on the University Registrar's website.

**Current Kent State and Transfer Students:** Active Kent State students who wish to change their major must have attempted a minimum 12 credit hours at Kent State and earned a minimum 2.000 overall Kent State GPA to be admitted. Students who have not attempted 12 credit hours at Kent State will be evaluated for admission based on their high school GPA for new students or transfer GPA for transfer students. Transfer students who have not attempted 12 credit hours of college-level coursework at Kent State and/or other institutions will be evaluated based on both their high school GPA and college GPA.

Transfer students visit the admissions website for transfer students for more information.

Admission policies for undergraduate students may be found in the University Catalog's Academic Policies.

Students may be required to meet certain criteria to progress in their program. Any progression requirements will be listed on the program's Coursework tab

## Program Requirements

### Major Requirements

Code	Title	Credit Hours
<b>Major Requirements (courses count in major GPA)</b>		
ATTR 15003 or EXSC 15003 or IHS 15003	CAREERS IN HEALTH AND MEDICAL SCIENCES	2
ATTR 15012	DOCUMENTATION IN HEALTH CARE	2
ATTR 20001	SOCIOCULTURAL ASPECTS OF HEALTH CARE	3
ATTR 25036	RESPONDING TO EMERGENCIES	3
ATTR 25037	PHYSICAL ASSESSMENT TECHNIQUES AND KINESIOLOGY FOR THE LOWER EXTREMITY AND SPINE	3
ATTR 25038	PHYSICAL ASSESSMENT TECHNIQUES AND KINESIOLOGY FOR THE UPPER EXTREMITY, HEAD AND NECK	3
ATTR 25057	HUMAN ANATOMY AND PHYSIOLOGY I (KBS) (KLAB)	4
ATTR 25058	HUMAN ANATOMY AND PHYSIOLOGY II (KBS) (KLAB)	4

ATTR 35037	ADVANCED PHYSICAL ASSESSMENT TECHNIQUES	3
ATTR 35040	STRENGTH AND CONDITIONING	2
ATTR 35050	NEUROLOGICAL PROCESS FOR THE HEALTHCARE PROFESSIONAL	3
ATTR 35054	BIOMECHANICS	3
ATTR 35062	EVIDENCE-BASED RESEARCH IN HEALTH CARE	3
ATTR 43018	ETHICAL LEADERSHIP FOR HEALTH CARE (WIC) <sup>1</sup>	3
ATTR 45019	PROFESSIONAL RESPONSIBILITY AND MANAGEMENT IN HEALTH CARE	3
ATTR 45040	PATHOLOGY AND PHARMACOLOGY HEALTH CARE PROVIDERS	3
ATTR 45041	ADVANCED THERAPEUTIC INTERVENTIONS	3
ATTR 45492	INTER-PROFESSIONAL INTERNSHIP IN SPORTS MEDICINE (ELR)	3
<b>Additional Requirements (courses do not count in major GPA)</b>		
BSCI 10120	BIOLOGICAL FOUNDATIONS (ELR) (KBS) (KLAB)	4
BSCI 30130	HUMAN PHYSIOLOGY	3
BSCI 30140	CELL BIOLOGY	4
CHEM 10060	GENERAL CHEMISTRY I (KBS)	4
CHEM 10061	GENERAL CHEMISTRY II (KBS)	4
CHEM 10062	GENERAL CHEMISTRY I LABORATORY (KBS) (KLAB)	1
CHEM 10063	GENERAL CHEMISTRY II LABORATORY (KBS) (KLAB)	1
EXSC 35068	STATISTICS FOR THE EXERCISE SCIENTIST	3
EXSC 35080	PHYSIOLOGY OF EXERCISE	4
NUTR 23511	SCIENCE OF HUMAN NUTRITION (KBS)	3
MATH 11010	ALGEBRA FOR CALCULUS (KMCR)	3
MATH 11022	TRIGONOMETRY (KMCR)	3
PH 10004	FOUNDATIONS OF PUBLIC HEALTH	3
PHY 13001	GENERAL COLLEGE PHYSICS I (KBS)	4
PHY 13021	GENERAL COLLEGE PHYSICS LABORATORY I (KBS) (KLAB)	1
PSYC 11762	GENERAL PSYCHOLOGY (KSS)	3
UC 10001	FLASHES 101	1
American Civic Literacy Requirement <sup>2</sup>		3
Kent Core Composition		6
Kent Core Humanities and Fine Arts (minimum one course from each) <sup>2</sup>		6-9
Kent Core Social Sciences (must be from two disciplines) <sup>2</sup>		0-3
<b>Minimum Total Credit Hours:</b>		<b>120</b>

<sup>1</sup> A minimum C grade must be earned to fulfill the writing-intensive requirement.

<sup>2</sup> If students complete the American Civic Literacy requirement by taking HIST 12061, the course will apply to the Kent Core Humanities category. If they complete it with POL 10101, the course will apply to the Kent Core Social Sciences category.

## Graduation Requirements

Minimum Major GPA	Minimum Overall GPA
2.500	2.500

## Roadmap

This roadmap is a recommended semester-by-semester plan of study for this program. Students will work with their advisor to develop a sequence

based on their academic goals and history. Courses designated as critical (!) must be completed in the semester listed to ensure a timely graduation.

<b>Semester One</b>		<b>Credits</b>
ATTR 15003	CAREERS IN HEALTH AND MEDICAL SCIENCES	2
or	or CAREERS IN HEALTH AND MEDICAL SCIENCES	
EXSC 15003	SCIENCE	
or	or CAREERS IN HEALTH AND MEDICAL SCIENCES	
IHS 15003	SCIENCE	
ATTR 15012	DOCUMENTATION IN HEALTH CARE	2
BSCI 10120	BIOLOGICAL FOUNDATIONS (ELR) (KBS) (KLAB)	4
MATH 11010	ALGEBRA FOR CALCULUS (KMCR)	3
PSYC 11762	GENERAL PSYCHOLOGY (KSS)	3
UC 10001	FLASHES 101	1
<b>Credit Hours</b>		<b>15</b>
<b>Semester Two</b>		
ATTR 25036	RESPONDING TO EMERGENCIES	3
CHEM 10060	GENERAL CHEMISTRY I (KBS)	4
CHEM 10062	GENERAL CHEMISTRY I LABORATORY (KBS) (KLAB)	1
MATH 11022	TRIGONOMETRY (KMCR)	3
NUTR 23511	SCIENCE OF HUMAN NUTRITION (KBS)	3
Kent Core Requirement		3
<b>Credit Hours</b>		<b>17</b>
<b>Semester Three</b>		
ATTR 20001	SOCIOCULTURAL ASPECTS OF HEALTH CARE	3
ATTR 25057	HUMAN ANATOMY AND PHYSIOLOGY I (KBS) (KLAB)	4
CHEM 10061	GENERAL CHEMISTRY II (KBS)	4
CHEM 10063	GENERAL CHEMISTRY II LABORATORY (KBS) (KLAB)	1
Kent Core Requirement		3
<b>Credit Hours</b>		<b>15</b>
<b>Semester Four</b>		
ATTR 25058	HUMAN ANATOMY AND PHYSIOLOGY II (KBS) (KLAB)	4
ATTR 35040	STRENGTH AND CONDITIONING	2
PHY 13001	GENERAL COLLEGE PHYSICS I (KBS)	4
PHY 13021	GENERAL COLLEGE PHYSICS LABORATORY I (KBS) (KLAB)	1
American Civic Literacy Requirement		3
<b>Credit Hours</b>		<b>14</b>
<b>Semester Five</b>		
ATTR 25037	PHYSICAL ASSESSMENT TECHNIQUES AND KINESIOLOGY FOR THE LOWER EXTREMITY AND SPINE	3
ATTR 35062	EVIDENCE-BASED RESEARCH IN HEALTH CARE	3
BSCI 30140	CELL BIOLOGY	4
EXSC 35068	STATISTICS FOR THE EXERCISE SCIENTIST	3
Kent Core Requirement		3
<b>Credit Hours</b>		<b>16</b>
<b>Semester Six</b>		
ATTR 25038	PHYSICAL ASSESSMENT TECHNIQUES AND KINESIOLOGY FOR THE UPPER EXTREMITY, HEAD AND NECK	3
ATTR 35037	ADVANCED PHYSICAL ASSESSMENT TECHNIQUES	3

ATTR 35050	NEUROLOGICAL PROCESS FOR THE HEALTHCARE PROFESSIONAL	3
PH 10004	FOUNDATIONS OF PUBLIC HEALTH	3
Kent Core Requirement		3
<b>Credit Hours</b>		<b>15</b>
<b>Semester Seven</b>		
ATTR 35054	BIOMECHANICS	3
ATTR 45019	PROFESSIONAL RESPONSIBILITY AND MANAGEMENT IN HEALTH CARE	3
BSCI 30130	HUMAN PHYSIOLOGY	3
Kent Core Requirement		3
<b>Credit Hours</b>		<b>12</b>
<b>Semester Eight</b>		
ATTR 43018	ETHICAL LEADERSHIP FOR HEALTH CARE (WIC)	3
ATTR 45040	PATHOLOGY AND PHARMACOLOGY HEALTH CARE PROVIDERS	3
ATTR 45041	ADVANCED THERAPEUTIC INTERVENTIONS	3
ATTR 45492	INTER-PROFESSIONAL INTERNSHIP IN SPORTS MEDICINE (ELR)	3
EXSC 35080	PHYSIOLOGY OF EXERCISE	4
<b>Credit Hours</b>		<b>16</b>
<b>Minimum Total Credit Hours:</b>		<b>120</b>

## University Requirements

All students in a bachelor's degree program at Kent State University must complete the following university requirements for graduation.

**NOTE:** University requirements may be fulfilled in this program by specific course requirements. Please see Program Requirements for details.

Flashes 101 (UC 10001)	1 credit hour
Course is not required for students with 30+ transfer credits (excluding College Credit Plus) or age 21+ at time of admission.	
Experiential Learning Requirement (ELR)	varies
Students must successfully complete one course or approved experience.	
Kent Core (see table below)	36-37 credit hours
Writing-Intensive Course (WIC)	1 course
Students must earn a minimum C grade in the course.	
Upper-Division Requirement	39 credit hours
Students must successfully complete 39 upper-division (numbered 30000 to 49999) credit hours to graduate.	
Total Credit Hour Requirement	120 credit hours

## Kent Core Requirements

Kent Core Composition (KCMP)	6
Kent Core Mathematics and Critical Reasoning (KMCR)	3
Kent Core Humanities and Fine Arts (KHUM/KFA) (min one course each)	9
Kent Core Social Sciences (KSS) (must be from two disciplines)	6
Kent Core Basic Sciences (KBS/KLAB) (must include one laboratory)	6-7
Kent Core Additional (KADL)	6
<b>Total Credit Hours:</b>	<b>36-37</b>

## Program Learning Outcomes

Graduates of this program will be able to:

1. Develop foundational knowledge for admission to advanced studies in graduate athletic training programs or employment in associated sports medicine fields.
2. Demonstrate sound decision-making through analysis and application in the prevention, management and resolution of health-related issues associated with sports medicine issues.
3. Engage in comprehensive sports medicine care while integrating disciplined-specific, synthesized, creative, respectful and ethical elements.
4. Develop confidence and competence to successfully transition into practice and/or higher education programs in sports medicine.

## Full Description

The B.S. degree in Sports Medicine will focus on the knowledge and skills that are required for sports medicine and athletic training professionals with specific coursework in anatomy, physiology, kinesiology, biomechanics, chemistry, physics, basics of sports medicine, strength and conditioning, first aid, pathologies of injury and illness, pathologies of general medical conditions, pharmacology, therapeutic intervention in health care (including modality application and rehabilitation), healthcare organization and management, emergency medical skills, documentation and record keeping in health care and psychology.

Students completing this program gain experience in direct patient care and patient care skills, preparing them for their specific career path. Direct patient care skills taught and evaluated include, but are not limited to, first aid and CPR; assessment of biomechanics; gait analysis; goniometry; manual muscle testing; postural assessment; palpation; auscultation; emergency management; and obtaining medical and family histories through patient encounters.