Quick Facts For

Health & Kinesiology
Bachelor of Science Programs
www.purdue.edu/hhs/hk/undergraduate/majors

Athletic Training - For those interested in prevention, evaluation, treatment and rehabilitation of athletic injuries. The goals of the program are to prepare students as entry-level athletic trainers through an extensive curriculum of didactic and clinical experiences and to prepare students to sit for and pass the Board of Certification (BOC) exam.

**The undergraduate Athletic Training program at Purdue University is accredited by the Commission on Accreditation of Athletic Training Education (CAATE). In accordance with accreditation guidelines, the program will be transitioning to a professional master’s degree program. The undergraduate athletic training program will no longer admit students to Pre-Athletic Training after Fall 2019.**

Coursework includes: 4 years of clinical education experiences, anatomy & physiology, prevention & treatment of athletic injuries, therapeutic exercise, injury assessment, administration of athletic training programs, applied anatomy & kinesiology, athletic training modalities, exercise physiology, and pathophysiology for allied health professions.

Points of Interest -

- The reputation of Purdue's accredited athletic training education program reaches nationwide. The legacy of Athletic Training (AT) at Purdue belongs to William E. Pinky Newell, universally recognized as a founding father of modern athletic training. Mr. Newell served as head athletic trainer at Purdue from 1949 through 1976.
- Students are exposed to athletic training facilities starting the 3rd week in the program which include: Mackey Arena training room, Physical Therapy clinic, and at the Recreational Sports Center. They will spend 200+ hours their first year at these different sites.
- Students can only start this program in the fall semester and it requires 4 years to complete.
- The program is highly selective, with only 14-15 students advancing to the 3 year professional program.
- There are 60-70 students in Pre-Athletic Training and approximately 45 students in the 3 year professional program of Athletic Training.
- AT students will work with football, other Purdue athletic teams, and experience clinical rotations at a local high school, a small college in the area, and a rotation with team physicians.
- Students may opt to study abroad during the summer. Every other year, the AT staff takes a group to China - Beijing Sport University - to study the eastern approach to treating athletic injuries.
- Many AT students choose to pursue graduate education or professional school for physical therapy, occupational therapy, physician’s assistant, medicine, or nursing.

Graduates are working as certified athletic trainers with...

- High schools
- Colleges & universities across the country
- Professional sports teams
- NASCAR and IRL
- Professional dance companies & other performing arts
- Professional rodeo
- Out-patient rehabilitation clinics
**Kinesiology** - For those interested in studying human movement. This major is an ideal preparation for graduate study (exercise physiology, sport psychology, etc.) or professional school (physical therapy, occupational therapy, medicine, etc.). It can also be preparation for a wide variety of careers related to human movement (coaching, sport industry, etc.).

Coursework includes: anatomy & physiology, chemistry, physics, exercise physiology, biomechanics, motor behavior, sport and exercise psychology, applied clinical anatomy, and research methods.

**Points of Interest** -
- Students select twelve credits of advanced coursework in the sub-disciplines of kinesiology.
- Students have the opportunity to conduct research with a faculty member.
- Because most desire a career in healthcare, students in this major should be compassionate, patient, dependable, and responsible, hold high ethical values, and possess excellent communication skills.
- There are approximately 300 students in this program.

Prepares high-achieving students for graduate or professional school in fields such as...

- Biomechanics
- Exercise Physiology
- Motor Development / Learning
- Sport & Exercise Psychology
- Athletic Administration
- Physical Therapy
- Medicine
- Dentistry
- Chiropractic
- Law

**Clinical Exercise Physiology Concentration**

The optional concentration in Clinical Exercise Physiology supplies students with the knowledge and practical experience to become leading professionals in the fitness field who are dedicated to promoting health and physical activity in all populations including children, adults, and seniors. Students are prepared to sit for and pass either the American College of Sports Medicine Certified Exercise Physiologist® (EP-C) exam or the National Strength and Conditioning Association Certified Strength and Conditioning Specialist® (CSCS®) exam.

Concentration coursework includes: applied anatomy, strength and conditioning, group fitness leadership, health screening and fitness evaluation, fitness program management, and exercise testing and prescription in special populations.

**Points of Interest** -
- Students will receive personal instruction from educated and certified professionals and gain supervised hands-on experience in the field prior to graduation.
- A 400 hour internship is required as part of the concentration.

**Graduates may find careers at...**

- Hospital wellness centers
- Privately owned fitness centers
- Public fitness centers
- Personal training centers
- Corporate fitness centers
- Fitness equipment sales
- Senior living centers
- YMCA/YWCAs
- University recreation centers
Public Health - For those interested in careers that involve planning, implementing, and evaluating public health programs for individuals, groups, and populations in a variety of settings that include worksites, hospitals, schools, and communities. As healthcare costs continue to rise in the United States, training a highly skilled public health workforce that can design and implement effective prevention programs and policies is becoming a much greater priority. Courses in this major introduce students to the 5 core public health competency areas (Behavioral Social Sciences, Biostatistics, Environmental Health, Epidemiology, and Health Policy and Management).

Coursework includes: anatomy & physiology, chemistry, basic public health studies, population health, health behavior & health promotion, epidemiology, human diseases & disorders, methods of health promotion & education, and additional courses in a chosen public health concentration.

Points of Interest -

- A 400 hour internship is required in a worksite, clinical, community, or government public health setting as part of the curriculum.
- Most visible current employment opportunities are worksite/business settings and clinical settings such as hospitals, health maintenance organizations, and sports medicine centers.
- Prepares students to take the Certified Health Education Specialist (CHES) examination.
- High-achieving students can apply for an accelerated program at Purdue to earn their BS and Master’s in Public Health (MPH) degrees in a total of 5 years.
- Some students will pursue professional education programs in public health, health administration, nursing, physician’s assistant studies, or medicine.
- There are approximately 175 students in this program.

Graduates may find careers as...

- Public Health Promotion/Health Education Specialist in Voluntary Health Agencies
- Public Health Promotion/Health Education Specialist in Official Health Agencies
- Public Health Promotion Specialist in Worksite Settings
- Worksite Wellness Director
- Patient Educator in Clinical/Hospital Settings
- Corporate Wellness Director
- Public Health Promotion Specialist in Community Settings
- Community Wellness Director
- University Professor