

Health and Exercise Science

Faculty: Farrell, Chilakos, Chandler, Faigenbaum, Kang, and Ratamess

The Department of Health and Exercise Science prepares students for careers as K–12 teachers and as exercise science professionals.

Students must complete their major required courses within the Department of Health and Exercise Science at The College of New Jersey unless special permission is granted by the student's program director to allow completion of a major required course at another college. The Department of Health and Exercise Science reserves the right to specify certain courses which must be taken at The College of New Jersey before the student will be permitted to enroll in student teaching, practicum, or internship experiences.

The department maintains the right and the responsibility to dismiss students from the major who have not made satisfactory academic progress by completing all major components of the program, fulfilling department course requirements with the requisite grades, and/or satisfying teacher certification requirements.

Requirements for the major:

Twelve units within the major are required within the Health and Exercise Science program.

Requirements for the exercise science option are:

HES	099/Emergency Care	0 course unit
HES	160/Current Health and Wellness Issues	1 course unit
HES	172/Foundations of Exercise Science	1 course unit
HES	203/Human Anatomy and Physiology	1 course unit
HES	204/Anatomy and Kinesiology	1 course unit
<i>or</i>		
HES	205/Human Anatomy and Physiology II	
<i>and</i>		
HES	301/Biomechanics	2 course units
HES	302/Assessment and Evaluation of Human Performance	1 course unit
HES	311/Applied Physiology	1 course unit
HES	350/Nutrition and Metabolism	1 course unit
HES	405/Guidelines for Allied Health Professionals	1 course unit
HES	410/Exercise Physiology and Exercise Prescription	1 course unit
HES	493/Internship	2 course units
HES	497/Research Seminar in Health and Exercise Science	1 course unit
Total		12 or 13 course units

Also required are:

BIO	171/Human Form and Function	
<i>or</i>		
BIO	185/Themes in Biology	1 course unit
STA	115/Statistics	1 course unit

Major core requirements for the teaching option are:

HES	099/Emergency Care	0 course unit
HES	160/Current Health and Wellness Issues	1 course unit
HES	172/Foundations of Health and Exercise Science	1 course unit
HES	182/Lifespan Wellness Activities	1 course unit
HES	203/Human Anatomy and Physiology	1 course unit

Health and Exercise Science-2

HES	204/Anatomy and Kinesiology	1 course unit
HES	282/Sports Concepts and Skills	1 course unit
HES	303/Assessment and Evaluation in HPE	1 course unit
HES	304 Adapted Kinetics	1 course unit
HES	311/Applied Physiology	1 course unit
HES	350/Nutrition and Metabolism	1 course unit
HES	371/Outdoor Education	1 course unit
HES	460/Comprehensive School Health	1 course unit
Total		12 course units

Also required are teacher preparation courses:

HES	180/Motor Development and Elementary Movement	1 course unit
HES	292/Methods of Elementary Health and Physical Education	1 course unit
HES	390/Methods of Secondary Health and Physical Education	1 course unit
HES	490/Student Teaching	2 course units
HES	498/Research Seminar in Health and Physical Education	1 course unit

Total **6 course units**

Also required are:

BIO	171 Human Form and Function	1 course unit
ELE	201/Childhood and Adolescent Development	1 course unit

Certification—(0–1 course units)

All students are required or recommended to earn certificates in the following:

- Emergency Care (Required)—no credit
- Driver Education Teacher Certification—one course unit
- Teacher Certification

Suggested First-Year Sequence (exercise science option)

FSP	First Seminar	1 course unit
BIO	171/Human Form and Function	1 course unit
HES	160/Current Health and Wellness Issues	1 course unit
HES	172/Foundations of Health and Exercise Science	1 course unit
Liberal Learning course		1 course unit
STA	115/Statistics (Liberal Learning-Quantitative Reasoning)	1 course unit
WRI	102/Academic Writing (if not exempted)*	1 course unit
Elective or a liberal learning course		1 course unit

**It is recommended that students exempted from this course take other liberal learning courses.*

Total **8 course units**

Suggested First-Year Sequence (teaching option)

FSP	First Seminar	1 course unit
BIO	171/Human Form And Function	1 course unit
HES	160/Current Health and Wellness Issues	1 course unit
HES	172/Foundations of Health and Exercise Science	1 course unit
HES	180/Motor Development and Elementary Movement	1 course unit
Liberal Learning course		1 course unit
WRI	102/Academic Writing (if not exempted)*	1 course unit
HES	182/Lifespan Wellness Activities	1 course unit

**It is recommended that students exempted from these courses take other liberal learning courses.*

Total **8 course units**

Program Entrance, Retention, and Exit Standards

Every major program at the College has set standards for allowing students to remain in that program, to transfer within the College from one program to another, and to graduate from a program. The following are the standards for Department of Health and Exercise Science programs. Minimum grades are noted in parentheses.

Program Entrance

In order to transfer into the Department of Health and Exercise Science from another program within the College the student must complete: HES 160/Current Health and Wellness Issues (B-), HES 172/Foundations in HES (B-) and BIO 171/Human Forms or BIO 185/Themes in Biology (C). In addition, at the time of application, the student must have an overall GPA of at least 2.75, provide two letters of recommendation, and submit a one-page essay explaining personal interest in Health and Exercise Science.

Retention and Exit Standards

Health and Exercise Science: Teacher Preparation Option

Students are prepared with a background in liberal learning. Most course work consists of specialized health and physical education subjects. Class work and activity skills are combined in the physical education courses to cover all facets of this major. Practical teaching experience is provided on the elementary and secondary levels. Majors are expected to participate in the intercollegiate, intramural, or club programs and be members of the department majors' club, as well as state and national professional organizations. Majors are also required to take and pass a physical fitness exam.

Students who apply for transfer into the department must have established a minimum cumulative GPA of at least 2.75 for teacher-education certification preparation.

All teacher-preparation students must apply for admission to teacher education prior to the junior professional experience and:

1. Have a 2.75 overall GPA;
2. Have successfully completed HES 292/ Methods in Elementary HPE ;
3. Present evidence of involvement in professional, departmental, campus, and community activities;
4. Have demonstrated ethical and professional behavior; and
5. Earn a C+ or above in major and required courses.
6. Attend at least one professional meeting/conference per year and proof of attendance must be submitted to the student's advisor.

Prior to student teaching, candidates for a teacher-education certificate must have a 2.75 GPA and obtain a current CPR/AED and First Aid certification. Before the New Jersey State Department of Education will issue the appropriate certificate the student must meet the state hygiene/physiology requirement and must pass the appropriate Praxis examination. Teacher-education candidates will receive a "certificate of eligibility with advanced standing" which requires a candidate to be provisionally certified for his or her first year of teaching. After one year of successful teaching, the candidate is eligible for a permanent certificate.

The teaching option provides not only a high-quality but a cutting-edge program that is consistent with the standards of the National Association for Sport and Physical Education (NASPE) and the National Council for the Accreditation of Teacher Education (NCATE). The program culminates in the preparation of exemplary health and physical education K-12 teachers who collaborate with other professionals to teach the whole

Health and Exercise Science-4

child while achieving the goals of content mastery, professionalism, and pedagogical expertise common to the preparation of all teachers. The objectives of the program present TCNJ graduates as reflective, inquiry-oriented, pre-professionals who are cognizant of equity and diversity issues, competent in their subject matter, and able to select instructional strategies best suited for the varying needs of their students.

Health and Exercise Science Option

Students in this option are interested in pursuing careers in corporate fitness, strength and conditioning, health promotion, and other health-related professions such as medicine, physical therapy, occupational therapy, and cardiorespiratory rehabilitation. Students will select courses from the following three areas: Liberal Learning, Major Core, and Electives. They also must complete their internship experiences in their last semester before graduation. Students will work with their advisors to develop academic programs that best suit their career aspirations. For example, students may choose to take courses of physics and chemistry to fulfill requirements for entering a graduate program or courses that prepare them for gaining a professional certification, e.g., HES 450 Physiology of Resistance Exercise.

Students must adhere to the following requirements:

1. A cumulative GPA of 2.0 or higher is required for graduation.
2. Earn a C or above in major and required courses
3. Achieve a GPA of at least 2.75 in HES 203 Anatomy and Physiology, HES 204 Anatomy and Kinesiology (or HES 205 Anatomy & Physiology II and HES 301 Biomechanics), HES 302 Assessment and Evaluation, HES 311 Applied Physiology, and HES 405 Guidelines for Allied Health Professionals.
4. A current CPR certification is required for the internship field experience.
5. Students must demonstrate evidence of involvement in departmental, campus, community, or professional activities.
6. Students must attend at least one professional meeting/conference per year, for a total of four, and proof of attendance must be submitted to the student's advisor.