

Health and Exercise Science

Faculty: L. Bruno, J. Bush-Wallace, A. Faigenbaum, A. Farrell, J. Farrell, J. Kang, N. Ratamess.

The Department of Health and Exercise Science prepares students for careers as K–12 health & physical education 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 junior level course, 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, presenting a professional disposition suitable for the major, and/or satisfying teacher certification requirements.

Notice - Students follow the degree requirements of the Undergraduate Bulletin in effect when they begin their matriculation at the College. The information in this document applies to the 2017-18 academic year. Students changing majors or adding a second or third major follow the major requirements in effect at the time the major is changed or added. Students returning to the College after an absence of two consecutive semesters (not including summer) follow the requirements in effect at the time of their return.

Revision Advisory – The School of Nursing, Health, and Exercise Science on behalf of the Department of Health and Exercise Science maintains the right and responsibility to revise content as appropriate in response to changes to accreditation requirements or other professional standards in the field.

Requirements for the major:

Sixteen units within the Health and Exercise Science program major are required. Two units outside the major are also required.

Requirements for the Exercise Science option are:

HES	103/203/Human Anatomy and Physiology	1 course unit
HES	105/205/Human Anatomy and Physiology II	1 course unit
HES	160/Current Health and Wellness Issues	1 course unit
HES	172/Foundations of Exercise Science	1 course unit
HES	210/Applied Strength & Conditioning Techniques	1 course unit
HES	211/Applied Physiology	1 course unit
HES	250/Nutrition and Metabolism	1 course unit
HES	300/Pediatric Exercise Science	1 course unit

HES	301/Biomechanics	1 course unit
HES	302/Assessment and Evaluation of Human Performance	1 course unit
HES	320/Research Methods for HES	1 course unit
HES	405/Clinical Exercise Physiology	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		16 course units

Also required are:

BIO	201/Themes in Biology	1 course unit
STA	115/Statistics	1 course unit

Twenty units within the major are required within the Health & Physical Education - Teaching program. Two units outside the major are also required.

Requirements for the Health & Physical Education Teaching option are:

HES	150/Sports Concepts and Skills	1 course unit
HES	151/Lifespan Wellness Activities	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	203/Human Anatomy and Physiology	1 course unit
HES	204/Anatomy and Kinesiology	1 course unit
HES	211/Applied Physiology	1 course unit
HES	250/Nutrition and Metabolism	1 course unit
HES	260/Issues in School Health	1 course unit
HES	270/Assessment and Evaluation in HPE	1 course unit
HES	340/Adapted Kinetics	1 course unit
HES	360/Comprehensive School Health	1 course unit
HES	371/Outdoor Education	1 course unit
Total		13 course units

Also required are teacher preparation field experience or student teaching courses:

HES	240/Motor Development and Elementary Movement	1 course unit
HES	280/Methods of Elementary Health and Physical Education	1 course unit
HES	380/Methods of Secondary Health and Physical Education	1 course unit
HES	480/ HES Clinical Practice I	1 course unit
HES	490/Clinical Practice II	2 course units
HES	498/Research Seminar in Health and Physical Education	1 course unit
Total		7 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 for all clinical experiences)—no credit
- Driver Education Teacher Certification—HES 335: one course unit
- Harrassment, Intimidation, & Bullying Prevention Certificates – no credit
- Teacher Certification

Suggested First-Year Sequence (exercise science option)

FSP	First Seminar	1 course unit
BIO	BIO/185/Themes in Biology	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	103/203/Anatomy & Physiology	1 course unit
HES	105/205/Anatomy & Physiology II	1 course unit
STA	115/Statistics (Liberal Learning-Quantitative Reasoning)	1 course unit
WRI	102/Academic Writing (if not exempted)*	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 (HE & PE teaching option)

FSP	First Seminar	1 course unit
BIO	171/Human Form And Function	1 course unit
HES	150/Sports Concepts and Skills	1 course unit
HES	151/Lifespan Wellness Activities	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
WRI	102/Academic Writing (if not exempted)*	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.

Program Entrance/Transfer

In order to transfer into the Department of Health and Exercise Science from another program within the College, the student must complete the internal application process. Acceptance is dependant on availability of space within the major.

Retention and Exit Standards

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, chiropractic, and cardiopulmonary rehabilitation. Students will select courses from the following three areas: Liberal Learning, Major Core, and Electives. 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. They also must complete an internship experiences in their last semester before graduation.

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. Internship placement dependent on achieving an overall GPA of at least 2.75.
4. A current American Red Cross/American Heart Association First Aid/CPR/AED certification for the Professional Rescuer is required for the internship field experience.
5. Students must demonstrate evidence of annual involvement in the Exercise Is Medicine Chapter events, and other departmental, campus, community, or professional activities that support the mission of the department.
6. Students must attend at least one professional meeting/conference per year. A minimum of four full-day professional development experiences are required and one must be a state, regional, or national conference (NSCA, ACSM, or SHAPE). Proof of attendance must be submitted to the student's advisor.
7. Successful completion of an internal and external Health and Exercise Science exit exam.

Health & Physical Education – Teaching 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 health and physical education courses to cover all facets of this major. Practical teaching experience is provided at the elementary and secondary levels. Majors are required to be members of the department HES/HPET majors' club, as well as state and national professional organizations, and are expected to participate in the intercollegiate, intramural, or club programs. Majors are also required to take and pass a physical skills tests and annual physical fitness exam.

The New Jersey Department of Education outlined criteria for teaching candidates. The HES Department has adopted the requirements to fulfill the NJDOE criteria:

- HPET majors will not be considered HPET candidates until all 100 and 200 level HPET required courses have been successfully completed and earned the required GPA.

- Teaching majors must pass the PRAXIS I: Core exam prior to starting HES 380 and the Junior level clinical experience. Students earning sufficient scores on the SAT/GRE/ACT will be exempt.
- Teaching majors must earn a GPA of 3.0 to be accepted into the Junior Block and maintain a 3.0 GPA to be placed into student teaching.
- Teaching candidates must take the PRAXIS II: Health & Physical Education Content Knowledge exam and have scores sent to TCNJ prior to being placed for student teaching.
- A minimum number of clinical experience hours in a variety of school settings prior to clinical practice is required.
- A duration of ~175 hours of clinical practice, with a minimum of 100 hours the semester prior to clinical practice II is required. Time includes beginning of the school year professional development sessions.
- Teaching candidates must complete and submit teaching work and samples to external examination board to fulfill edTPA™ requirements for state certification.

Prior to all field experiences, candidates seeking placement must have completed the following:

- The necessary criminal background check required by the college, state and district.
- Earned appropriate content grade in the methodology course tied with the field experience.
- Demonstrated ethical and professional behaviors.
- Obtain and maintain a current American Red Cross or American Heart Association First Aid/CPR/AED certification for the 'Professional Rescuer' for all clinical and practice experiences.
- Complete the required Harassment, Intimidation, & Bullying (HIB) tutorials and exams.
- A GPA of 3.00 for entrance into HES 380. Subject to change based on NJ State Department of Education guidelines.
- All teaching candidates are encouraged to acquire the state substitute teaching certification upon entering the junior field experience.

Prior to clinical practice II, candidates seeking a teacher-education certificate in Health and Physical Education must have the following:

- A 3.00 overall GPA; Subject to change based on NJ State Department of Education guidelines.
- Present evidence of involvement in professional, departmental, campus, HES/HPET club, and community activities.
- Demonstrated ethical and professional behavior.
- A C or above in major and required courses.
- A C+ or above in teacher preparation required courses: HES 150, HES 151, HES 240, HES 260, HES 270, HES 280, HES 340, HES 360, HES 371, HES 380, and HES 480.

- The necessary criminal background check required by the college, state and district.
- School districts may require teacher candidates to attain a state substitute certification prior to starting the student teaching experience.
- A minimum of 175 clinical practice I hours.

Before the New Jersey State Department of Education will issue the appropriate certificate, the student must be recommended by the College, meet the state hygiene/physiology requirement and must pass the appropriate Praxis I & II examinations. In order to be recommended in this or any other state, students must be recommended as “having demonstrated continued competence, aptitude, motivation, and potential for outstanding success in teaching.” 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)/Council for Accreditation of Educator Preparation (CAEP). The program culminates in the preparation of exemplary health and physical education K–12 teachers who collaborate with other professionals to teach the whole 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.

Prior to graduation all HES majors must attend four professional development conferences. Conference attendance must be verified by the student’s advisor. It is ideal for students to attend at least one professional meeting/conference per year. However, a minimum of four full-day professional development experiences are required, and one must be a New Jersey state, eastern district, or national conference (NJASPERD/SHAPE or AAHE). Additionally, all majors must contribute annually to a campus of community event presented by the HES Exercise Is Medicine Chapter.