

College of Applied Health Sciences

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Introduction

Nationally prominent in research, service, and education, the College of Applied Health Sciences (AHS) is a leader in applied rehabilitation and disability studies. The college houses five departments: Biomedical and Health Information Sciences, Disability and Human Development, Kinesiology and Nutrition, Occupational Therapy, and Physical Therapy.

A variety of degree programs is offered in the areas of biomedical visualization, disability studies, health informatics, health information management, nutrition, kinesiology, occupational therapy, and physical therapy. The college offers three bachelor's degrees, six master's degrees, and four doctoral programs.

The research efforts of the multidisciplinary faculty are directed toward new and applied knowledge in aging and disability studies, health information sciences, and health promotion and disease prevention. The college's research and educational programs are substantially strengthened by the unification of the academic departments with their clinical counterparts in the University of Illinois at Chicago Medical Center.

The mission of the College of Applied Health Sciences is to prepare professionals for the advancement of health and of healthcare and its related aspects of human development, performance, and adaptation. The principal means through which this mission is accomplished is by actively integrating teaching, research, and service. The college's first priority is the education of its students, which includes fostering their capacity for compassion, dedication, and advocacy. As a major component of an urban land grant institution, the college is committed to diversity, community needs, and the creation and dissemination of new knowledge.

The college encourages and accommodates the participation of persons with disabilities in all of its programs.

Accreditation

Each of the college's professional programs is accredited by the appropriate accrediting agency and most serve as national models in education. For information on specific accreditation, refer to the appropriate program in the following sections of this catalog.

Degree Programs

The College of Applied Health Sciences houses both traditional undergraduate BS programs as well as professional BS programs. Students can pursue an undergraduate professional course of study in either the Health Information Management program or the Nutrition Coordinated Program. The undergraduate professional course of study is arranged in two phases: completion of preprofessional

course work and two years of professional course work at UIC leading to professional baccalaureate degrees in health information management or nutrition. Prerequisite courses equivalent to those offered by the University of Illinois at Chicago may be completed at any accredited college or university. The college's professional programs coordinate classroom instruction with clinical experience in a variety of healthcare facilities in Chicago and surrounding areas throughout the two years of the program. The two-year professional programs begin with the fall semester of each academic year. Completion of professional program graduation requirements culminating in a baccalaureate degree qualifies the graduate to take the appropriate national certification examinations. Information about the examinations will be provided by the academic program during matriculation. Professional certification is necessary and in most cases mandatory for practice.

The traditional BS programs are housed in the Kinesiology and Nutrition department. These programs help prepare students for professional studies at the graduate level in areas, such as physical therapy, nutrition, medicine, dentistry, and nursing or direct entry into careers in the health and fitness industries. The Department of Kinesiology and Nutrition accepts students at the freshman and transfer level and awards the BS in Kinesiology and the BS in Nutrition. There are two concentrations available in the Kinesiology program: Movement Science or Exercise and Fitness. Both programs encourage undergraduate participation in research; there are ample opportunities for undergraduates to become engaged in exciting research projects in state-of-the-art laboratories that are under the direction of world-class scientists. The Exercise and Fitness concentration includes an optional internship. Students may choose among a variety of health and fitness settings in Chicago and surrounding areas. This concentration prepares students to take an optional certification test from the American College of Sports Medicine. The Nutrition program admits students to the Nutrition Science program at the transfer level only and awards the BS in Nutrition. The Nutrition Science program is an accredited "Didactic Program in Dietetics," enabling graduates to apply for a dietetic internship at sites approved by the American Dietetic Association <http://www.eatright.org/cps/rde/xchg/ada/hs.xsl/index.html>.

The professional occupational therapy program is offered at the master's (MS in Occupational Therapy) and doctoral (OTD, Doctor of Occupational Therapy) levels. The professional physical therapy entry-level program is offered through the Doctor of Physical Therapy (DPT) program. For more information about these programs, contact the Department of Occupational Therapy at (312) 996-6901 or the Department of Physical Therapy at (312) 996-1505 or visit the college Web site <http://www.ahs.uic.edu/>.

Students planning to pursue a professional degree in Occupational Therapy or Physical Therapy should consult the *Preprofessional Studies* information listed at the end of the AHS section of the catalog for information on recommended courses.

Degree Requirements

To earn a College of Applied Health Sciences degree from UIC, students need to complete University, college, and department degree requirements. University and college degree requirements for all College of Applied Health Sciences students are outlined below. Students should consult the major department section for additional degree requirements.

Since the catalog is published in alternate years, changes to the graduation requirements may be announced in an online format. If requirements change, continuing students

in AHS and those whose attendance at UIC has been interrupted for no more than two years, may continue to meet those requirements in effect at the time of their initial registration or may choose to complete the revised requirements. Students who return to UIC after an absence of more than two years are responsible for meeting the requirements of the University and college as well as the major or curriculum in effect at the time of the student's reenrollment. For all students, however, if courses originally required are no longer offered or if external accrediting or certifying agencies modify their requirements, the college or department will specify course substitutes.

Semester Hour Requirement (see below)

Course Requirements

General Education Core

General Education at UIC is designed to serve as a foundation for lifelong learning. Students are required to complete a minimum of 24 semester hours in the General Education Core with at least one course from each of the following categories:

- I. Analyzing the Natural World
- II. Understanding the Individual and Society
- III. Understanding the Past
- IV. Understanding the Creative Arts
- V. Exploring World Cultures
- VI. Understanding U.S. Society

For a description and a list of courses for each General Education Core category, students should consult the *General Education* section of the catalog. Information on meeting the General Education requirements for each degree program is provided in the College of Applied Health Sciences department sections.

General Education Proficiencies— University Writing Requirement

Applied Health Sciences students meet the requirement by achieving a passing grade in English 160 and 161.

Other Requirements

Course Level Requirement

At least 9 hours of the elective course work taken by students in the Kinesiology curriculum must be taken at the 300- or 400-level. Nutrition and Health Information Management students follow a prescribed curriculum.

Enrollment Residence Requirement

Candidates for a bachelor's degree from the College of Applied Health Sciences must earn the last 30 semester hours of credit in enrollment residence uninterrupted by any work at another institution. Concurrent attendance at the University of Illinois at Chicago and another collegiate institution or enrollment during the summer at another institution, when approved by the student's college, does not interrupt the UIC enrollment residence requirement

Semester Hour Requirement

The College of Applied Health Sciences semester hour requirement varies by degree program.

Degree Program	Department	Degree Conferred	Total Hours
Health Information Management	Biomedical and Health Information Management	BS in Health Information Management	122
Nutrition—Coordinated Program	Kinesiology and Nutrition	BS in Nutrition	140
Nutrition—Nutrition Science	Kinesiology and Nutrition	BS in Nutrition	120
Kinesiology—Movement Science	Kinesiology and Nutrition	BS in Kinesiology	120
Kinesiology—Exercise and Fitness	Kinesiology and Nutrition	BS in Kinesiology	120

for graduation. A student must complete at least one-half of the course work required for their major field, excluding collateral course requirements, in enrollment residence at the University of Illinois at Chicago. The major course work completed in enrollment residence must include 12 hours at the advanced level. Students enrolled in professional programs, Health Information Management and Nutrition, must complete all of their professional course work at the University of Illinois at Chicago. Upon successful completion of a proficiency examination, exceptions may be made to the major requirement for students in the Health Information program who are currently Registered Health Information Technicians (RHIT).

Work taken at the Springfield and Urbana-Champaign campuses of the University of Illinois does not satisfy enrollment residence requirements. Credit earned through proficiency examinations including the College Level Examination Program (CLEP), UIC extension courses, and Urbana-Champaign distance-learning courses does not apply toward the minimum 30-semester hour enrollment residence requirement. Study abroad and distance-learning courses that have been approved by the student's major department and by the college are not considered an interruption of enrollment residence for students.

Full-Time Enrollment

The Nutrition—Coordinated Program is a full-time, day program. The Health Information Management program is available on a full- or part-time basis. This is a day program with classes from morning to early afternoon. Enrollment is limited. Although health information technology course credits do not count toward the required 60 semester or 90 quarter hours of prerequisites, an RHIT can attempt to competency test out of the specific courses during the junior year. The Kinesiology and Nutrition—Nutrition Science programs can be completed on a part-time basis.

Grade Point Average (GPA) Requirement

Certain academic programs may require a minimum grade of C in selected, specific courses or a higher overall GPA. Students are informed of such requirements in writing at the beginning of the first term they are registered in the college (through program handbooks). All candidates for a degree must have a GPA of at least 2.00/4.00 for all UIC credits counted for graduation requirements and at least 2.00 for the combined transfer and UIC credits counted for graduation requirements. A minimum GPA of 2.00/4.00 for all courses in the major field is also required. Some academic programs within the college require a higher GPA for graduation. Refer to the student handbook for each program's specific requirements.

Graduation Declaration/Filing to Graduate

Students declare their intent to graduate online using *Student Self-Service*. The deadline for submission to the Pending Degree List is the end of the third week (fall and spring) or second week (Summer Session 2) of the term in

which graduation is sought. Failure to submit the request at this time may delay the awarding of the degree. A final review will be made following the close of the term. If a student has satisfactorily completed all the degree requirements, the student's name will be placed on the official degree list.

Students in the Department of Kinesiology and Nutrition must also declare their intent to graduate with their academic advisor at least one term prior to their intended graduation date.

Transfer Credit

When transferring credit from a community college after attaining junior status, a student must earn at least 60 hours from the University or another approved four-year college or university after attaining junior standing. Students are obligated to report all work from other institutions once enrolled at UIC.

Transfer Credit for Continuing Students

Continuing students who would like to take a course at another institution must petition their academic department for approval prior to enrolling in the course.

College Policies

The following statements define general academic policies of the College of Applied Health Sciences, and include the procedures involving determination of academic probation and failure and channels for appeal of adverse decisions. Students should refer to their program handbooks for specific information.

Academic Load

Students registered for 12 or more hours during the fall or spring terms or for 6 hours or more in the summer term are considered full time. Students must request permission from their academic department to exceed 18 hours of enrolled course work.

Academic Performance

It is required that students of the college achieve a minimum level of academic performance, which is assessed periodically during the prescribed course of study. Academic programs may require a minimum grade of C in selected, specific courses or a higher overall GPA. A student who receives a grade below C in any required academic course may be dismissed from the program, even if not on academic probation. Refer to the specific program student handbook. Students must complete all required courses with a grade of C or better prior to progression to clinical instruction and practice. Courses with clinical components must be completed with a satisfactory grade.

Academic Probation and Dismissal Rules

Probation Rules

Academic probation designates the status of a student who has failed to attain the acceptable level of academic achievement as defined below:^a

1. An overall grade point average of 2.00/4.00 in all courses designated as professional course work or an academic major offered by the department in which the student is enrolled;
2. A grade point average of 2.00/4.00 for each semester completed in the College of Applied Health Sciences;
3. A cumulative grade point average of 2.00/4.00 following matriculation into the College of Applied Health Sciences;
4. Satisfactory attainment of competencies prescribed and published for any particular course.

Removal from probationary status is dependent upon earning a minimum 2.00 grade point average (GPA) during the probation semester, and in subsequent terms achieving a grade point average that is sufficiently above 2.00 to maintain a GPA of 2.00 or above for all work in the College of Applied Health Sciences.

^a *The probation guidelines described above apply to the Kinesiology, Nutrition Science, and Health Information Management programs. Students enrolled in the Nutrition Coordinated program must maintain a 3.00/4.00 for professional/major, UIC, semester, and cumulative grade point averages.*

Dismissal Rules

The College of Applied Health Sciences reserves the right to terminate a student's enrollment. Continuation in the professional programs is also contingent upon maintaining additional standards as outlined in the specific program student handbook. Such action will be initiated when the faculty of the program in which the student is enrolled deems it inadvisable for the student to continue toward completion of the course of study. The conditions contributing to this determination by the faculty may include but are not limited to:

1. Failure to meet the college's minimum grade point average standard 2.00/4.00, or the program minimum requirements which can include a higher overall GPA (refer to program student handbook);
2. Inadequate achievement and maintenance of professional performance, including performance during instruction in clinical sequences, personal deportment, and character deemed inconsistent with ethical standards of behavior for members of the health professions;
3. Unsatisfactory progress toward completion of the degree requirements.

Change of Course Schedule—Dropping Courses

Undergraduate students may drop courses using *Student Self-Service* through the end of the second week of classes for fall and spring semesters, the first Wednesday of Summer Session 1, or the first Friday of Summer Session 2. During weeks 3 through 10 of the fall and spring semesters (first Thursday through the second Wednesday of Summer Session 1 or weeks 2 through 5 of Summer Session 2) students may drop courses with the permission of their major college. If the drop occurs between 0 and 2 weeks in fall and spring, there will be no notation on the transcript. If the drop occurs during weeks 3 through 10 in fall and spring (first Thursday through the second Wednesday of Summer Session 1 or weeks 2 through 5 of Summer Session 2), a W is noted on the transcript. Undergraduate students may drop a maximum of 4 UIC individual courses that result in a W notation on their transcript during their entire undergraduate degree program.

College of Applied Health Sciences students should contact their individual programs, at the following locations, to make changes to their schedule: Health Information Management, Room 250 AHSB, (312) 996-3530; Kinesiology and Nutrition, for Kinesiology programs, Room 337 PEB, (312) 996-4600, and for Nutrition programs, Room 647 AHSB, (312) 355-1908. Since W grades will impact a student's completion ratio for financial aid, it is recommended that they consult their financial aid counselor to determine the financial implications of dropping a class.

Change of Major

In order for a student to be admitted to professional programs in the college, a student must complete supplemental application materials available in the individual departments prior to the specified deadline dates. Students are only admitted into the Nutrition and Health Information Management programs in the fall term. Students are admitted to the Kinesiology program in the fall and spring terms. Students who would like to change their major to Kinesiology should meet with the academic advisor in the Kinesiology program and, if available, bring with them a completed Change of College/Curriculum form which can be found on the AHS Web site <http://www.ahs.uic.edu>.

Class Attendance

It is expected that students will attend all lectures and laboratory sessions. Prompt and regular attendance is required for all scheduled activities. An absence may be excused if it is unavoidable or justified. The student is responsible for notifying the academic program and clinic each day that he or she will be absent from class or clinic, preferably prior to the absence when possible. Excused absences will be given if a student has a serious illness or if there is a death of a family member.

Unexcused absences may be reflected in the course grade in a manner determined by the course instructors and in accordance with the policies of the University. Students with unexcused absences may be asked to leave the program.

Course Prerequisites

Students must complete all prerequisite course work prior to beginning their professional programs in Health Information Management and Nutrition. In exceptional cases, a department may waive prerequisite course work for a student. In some cases, a proficiency examination will be given.

Credit/No Credit Option

The credit/no credit option will not be accepted for required course work as specified by the department. Grades for credit/no credit are not used in the computation of the grade point average. Students must apply at their college office no later than the tenth day of the term (first Wednesday of Summer Session 1 or first Friday of Summer Session 2) to have a course designated for credit/no credit grading option.

Declaring a Major

Admission to the Health Information Management and Nutrition programs provides automatic declaration of a major. Students in the Kinesiology programs must make an appointment with an academic advisor in the department to declare their major. A student must declare a major no later than upon completion of 60 semester hours. Transfer students entering with 60 semester hours or more must declare a major by the end of their first term at UIC. However, earlier declaration is recommended.

Double Major, Double Degrees, and Second Bachelor's Degree**Double Major**

This option is not available in the College of Applied Health Sciences. Students interested in completing degrees in both Kinesiology and Nutrition should follow the instructions under the *Double Degrees* section below.

Double Degrees

Double degrees consist of two bachelor's degrees completed concurrently. Students seeking two bachelor's degrees concurrently must formally request acceptance into the second degree program. Students must complete a minimum of 30 semester hours beyond those required for the first degree and all requirements for each of the degree programs as specified by the college and major department. All students interested in double degrees should discuss this option with an advisor.

Double degrees are not permitted when there is substantial course overlap between the first and second degrees.

Students who plan to earn two degrees concurrently in separate colleges must choose a primary college (the college of record), enroll at the University through that college, and then follow one of the relevant procedures below.

1. For the Kinesiology program, students should obtain written acceptance into the program by submitting the Double Degrees request form to the Department of Kinesiology and Nutrition office in Room 337 PEB. This form can be found online at the following link (<http://www.ahs.uic.edu/students/kn/>).
2. For the Health Information Management or Nutrition programs, students should apply to and be admitted to the program following the same procedures as all other applicants. Acceptance will be for the fall term only.

AHS students who want to complete a second degree in another college should consult that college to determine the options available and applicable rules. AHS students who want to complete a second degree in AHS should follow one of the procedures listed above.

Students who obtain double degrees receive a diploma for each degree. No more than two bachelor's degrees may be awarded concurrently.

Second Bachelor's Degree

Students who have already earned a bachelor's degree at UIC or another institution are required to follow the same application procedures as all other applicants in order to pursue a second bachelor's degree. Students must complete all requirements for the second degree as specified by the college and the major department, including a minimum of 30 semester hours beyond those required for the first degree. The UIC enrollment residence requirement must also be met, i.e., the last 30 semester hours for the second degree must be taken at UIC. A second bachelor's degree is not permitted when there is substantial course overlap between the first and second degrees.

Graduate-Level Courses for Undergraduate Credit

With department approval, an undergraduate student may enroll in a graduate-level course (500-level) for undergraduate credit. Students should obtain approval from their department and the instructor prior to enrollment. Graduate-level courses taken by an undergraduate student are generally not applicable toward a graduate degree.

Independent Study

Undergraduates are encouraged to participate in research programs. Students must consult with the faculty member offering the independent study prior to registering for the section. A student can register for a range of hours depending on the Independent Study. Students in the Kinesiology programs who would like to participate in the Senior

Research Seminar and Project must achieve a grade point average of 3.25/4.00 by their senior year of study. Students are required to register for two semesters of research seminar to participate.

Petition Procedure

Students may file a written petition with their individual department to request an exception to college policies. The department will make a recommendation to the college for granting or denying the request. Petitions are generally only approved for exceptional cases. The general petition form is available on the AHS Web site <http://www.ahs.uic.edu>.

Proficiency Examinations

The Kinesiology program offers proficiency examinations for some of its courses. The Health Information Management Program (HIM) offers proficiency examinations for some of its professional courses. Students interested in proficiency examinations should contact the respective department.

Progression to Clinical Fieldwork

Students must complete required course work prior to assignment to clinical/fieldwork experience. They must show readiness for the experience by having achieved performance levels that are related to the clinical fieldwork and are consistent with safety and technical standards defined in specific program objectives.

Prompt and regular attendance is required for all clinical fieldwork experiences. All time lost must be made up. The affiliation clinical supervisor and the faculty member must be notified when a student cannot attend.

The broad range of learning experiences required to prepare for careers in the applied health sciences involves some work in various community settings and healthcare facilities. Some of the assignments for these learning experiences are in the Chicago metropolitan area; others are outside the Chicago area. Students should plan for additional living expenses and transportation for assignments outside the Chicago area. Every effort is made to make the assignments equitable, to meet individual student requests, and to provide appropriate instructions for safe conduct. With the limited resources available and the number of students to be accommodated among all the professions represented, it is not always possible to offer alternate choices.

Registration Approval

Students in their first year of enrollment at UIC or those on probation must meet with an academic advisor prior to registering for the next term. Students in professional programs must complete their courses in the sequence prescribed by their academic department. Failure to complete the appropriate course work in a given term could result in dismissal from the program.

Repeat Policy for Standard Graded Courses

Students may repeat a course to increase their knowledge of the subject matter. There are circumstances under which repeating a course is advisable and to a student's advantage. There are also circumstances where repeating a course may disadvantage a student and narrow a student's options. The College of Applied Health Sciences requires students to discuss any plan to repeat a course with their academic advisor before they register to repeat the course.

Courses with A or B grades may not be repeated. Normally, courses with a C grade may not be repeated. Courses with D or F grades may be repeated once without written permission. In all cases, the original grade for the course and the grade for each repeat will appear on the

transcript. The original grade will be calculated into the grade point average, unless the student initiates a request for *Repeating a Course with Grade Point Average Recalculation* as described below. Only one registration for the course counts toward the total number of credits required for graduation. A course cannot be repeated after receiving credit in a course for which the repeat course is a prerequisite.

To repeat a course more than once requires written permission from the student's college dean. Students who have been dismissed may not appeal on the grounds of intention to repeat courses. Certain courses may not be repeated; students should consult their college before repeating a course.

Repeating a Course with Grade Point Average Recalculation

Important Note: Grade point average recalculation for a repeated course **is not** automatic. The student must initiate a request in the college office as outlined below.

For the grade point average recalculation policy to apply, a student must declare to his or her college the intent to repeat a course for a change of grade before reenrolling in the course. The course must be repeated within three semesters of the receipt of the original grade, and it must be taken at UIC. Only one registration for the course counts toward the total number of credits required for graduation.

Undergraduate students are allowed grade point average recalculation in up to four repeated courses. Under the course repeat policy, all courses taken and their grades appear on the transcript in the semester in which they were taken. Under the grade point average recalculation policy, the grade earned the first time the course is taken will be dropped from the calculation of the cumulative GPA and the grade(s) earned when the course is repeated will be used in the calculation. This rule holds, even if the second grade is lower than the first. If a course is repeated more than once, the first grade is not counted in the GPA, but all other grades for that course are calculated in the cumulative GPA.

Student Health

Students enrolled in the College of Applied Health Sciences participate in a rigorous course of academic and clinical instruction. The students' successful participation in the instructional programs requires maintenance of a level of physical and mental well-being sufficient to achieve course objectives. Should the faculty of a given program find that a student's mental or physical well-being is a contributing factor to substandard achievement, they are obligated to counsel the student to seek help from the Health Service, Counseling Services, or private services. The faculty shall refer the case to the dean if the student resists such counseling. The dean shall determine the course of further action. Recommendations resulting from the Health Service or Counseling Services evaluation of the student's health and well-being may be considered in overall assessment of a student's capacity to participate in the instructional program. The student may accept the faculty's assessment, or appeal to the dean, who will determine the course of further action.

Transferring

Intercollege Transfer Students

UIC students from other colleges may apply to College of Applied Health Sciences programs. Students who would like to transfer to either of the Kinesiology programs should go to the program advising office in 337 PEB to request an Intercollege Transfer form. Intercollege transfer requests received prior to the eighth week of the term generally take effect the term following the request. Once a student has

registered for a term, however, a change of curriculum will not be processed until the next subsequent term. Final approval of intercollege transfers is contingent upon good academic standing and minimum GPA requirements.

All other AHS programs require a program-specific application form and admission is competitive and offered only in the fall term. These forms are available in the Office of Admissions and from the individual departments. Intercollege transfer students should consult the college and academic department sections of the catalog for admission requirements.

Transfer Students from Other Colleges and Universities

Interested transfer students should consult the admissions, college, and department sections of the catalog for admission requirements.

Selection of All Applicants

All applicants who meet the admission requirements and have completed applicant files are considered for admission. Application files are used to determine the position of each applicant in a selection system based on both academic and nonacademic criteria.

The Admissions Committee may waive specific course prerequisites for applicants who can demonstrate that they already possess appropriate knowledge or skills that would be gained through taking the required courses. The Admissions Committee reserves the right to waive other specific nonessential requirements when indicated by unusual circumstances.

Transferring Out of the College

Students who would like to transfer out of the College of Applied Health Sciences should schedule an exit interview with their academic advisor. Students should then meet with an academic advisor in their new college to request a change of curriculum.

Preprofessional Studies

Preprofessional studies in the College of Applied Health Sciences are designed for students who intend to pursue their undergraduate or graduate education in professional programs of the AHS College. Preprofessional students in AHS typically are Kinesiology majors. Advisors for students in pre-occupational therapy and pre-physical therapy are available in the AHS College Office of Student Affairs and the department offices. Students are also encouraged to participate in the preadmission information sessions which are held monthly within the OT and PT departments. Scheduling information for these sessions can be found on the AHS Web site <http://www.ahs.uic.edu>.

Completion of the required course work or attainment of the minimum grade point average does not guarantee admission to a professional program. Pre-OT and pre-PT students must complete all the requirements for a bachelor's degree, including a major, in addition to the preprofessional studies.

Pre-Occupational Therapy

Occupational therapists provide services to maximize the function and satisfaction of persons whose daily life performance has been interrupted and jeopardized by disease, disability, life stress, and other factors. The occupational therapist provides the individual with opportunities for involvement in carefully chosen work, play, or self-care activities. The occupational therapist also uses various methods of mutual problem solving, environmental modification, adaptive devices, technology, and biomechanical and sensorimotor treatment methods to support and enhance performance.

Many occupational therapists work within hospital settings, but there is growing emphasis on prevention and treatment of the disabled in nonclinical settings. As a result, many new areas of employment are now available. For example, occupational therapists are increasingly employed in school systems where they work with handicapped children, enhancing their ability to perform as students. Working with in-home health organizations, occupational therapists help individuals and families function more adequately at daily tasks. In industrial settings, they aid disabled or injured workers' return to gainful employment. In addition, occupational therapists have developed private practices.

The preprofessional course work listed below prepares students to apply to the professional program in the Department of Occupational Therapy in the College of Applied Health Sciences after completion of the undergraduate degree. Students should contact OTDept@uic.edu or (312) 413-0124 for further information.

Pre-occupational therapy students may choose any major but should work with an advisor to plan a course of study that fulfills pre-occupational therapy studies requirements as well as the requirements for the major.

The pre-occupational therapy requirements follow and should be completed as part of the undergraduate degree program. The courses listed below must be completed with a grade of C or better.

Courses^a	Hours
BIOS 100—Biology of Cells and Organisms ^b	5
KN 251—Human Physiological Anatomy I ^{cd}	5
KN 252—Human Physiological Anatomy II ^{cd}	5
PSCH 100—Introduction to Psychology ^e	4
PSCH 242—Introduction to Research in Psychology	3
PSCH 270—Abnormal Psychology ^{de}	3
PSCH 320—Developmental Psychology ^d	3
PSCH 343—Statistical Methods in Behavioral Science	4
One course in anthropology or sociology	3

Although not required, it is recommended that students complete a medical terminology course. Alternatively, students are expected to complete a self-study computerized course in medical terminology upon acceptance.

Total Hours—Pre-Occupational Therapy 35

^a Students completing an undergraduate degree at UIC must complete the General Education requirements. Students should consult the General Education section and their college/department sections of the catalog for more information on fulfilling these requirements.

^b This course is approved for the Analyzing the Natural World General Education category.

^c KN 251/252 sequence begins in the fall semester only.

^d These courses must be taken within five years of admission to the program.

^e This course is approved for the Understanding the Individual and Society General Education category.

Other minimum admissions requirements include an earned bachelor's degree in any field, CPR (cardiopulmonary resuscitation) certification with Health Providers Status, 3.00/4.00 GPA for the last 60 semester hours earned for the baccalaureate degree, Graduate Record Examination (GRE) score of at least 1000 combined verbal and quantitative parts, three letters of recommendation, and a personal statement. Applicants with a GPA of below 3.00 or GRE score below 1000 who display strengths in other areas may be considered for admission. Students must apply for admission to the program approximately one year before planned enrollment.

Pre-Physical Therapy

Physical therapy is a health profession whose primary purpose is the promotion of optimal human health and function through the application of scientific principles to prevent, identify, assess, correct, or alleviate acute or prolonged movement dysfunction. Physical therapy encompasses areas of specialized competence and includes the development of new principles and applications to more effectively meet existing and emerging health needs. Other professional activities that serve the purpose of physical therapy are research, education, consultation, and administration.

The physical therapist, working in cooperation with other health professionals, serves the individual needs of the client and the health needs of society. The physical therapy profession depends heavily on knowledge and application of the basic medical and behavioral sciences, coupled with specialized knowledge and skills in the clinical arts and sciences.

Physical therapists may work as staff, supervisors, or self-employed practitioners who serve clients directly; as administrators of clinical departments, health agencies, or educational programs; as healthcare agency consultants; as clinical or academic teachers; or as researchers.

They may work in hospitals, clinics, rehabilitation centers, schools for handicapped children, neighborhood health centers, physicians' offices, nursing homes and convalescent centers, private and public health agencies, sports settings, and universities.

Pre-physical therapy students may choose any major but should work with an advisor to plan a course of study that fulfills the pre-physical therapy studies requirements as well as the requirements for the major. Students are advised to declare an educational goal of pre-physical therapy upon entering UIC which will alert them to specific workshops and other pertinent information.

The pre-physical therapy requirements follow and should be completed as part of the undergraduate degree program.

Courses^a	Hours
BIOS 100—Biology of Cells and Organisms ^b	5
One of the following general chemistry sequences:	10
CHEM 112—General College Chemistry I (5) ^b	
CHEM 114—General College Chemistry II (5) ^b	
OR	
CHEM 116—Honors General Chemistry I (5) ^b	
CHEM 118—Honors General Chemistry II (5) ^b	
MATH 180—Calculus I	5
PHYS 105—Introductory Physics I—Lecture ^{bc}	4
PHYS 106—Introductory Physics I—Laboratory ^{bc}	1
PHYS 107—Introductory Physics II—Lecture ^{bc}	4
PHYS 108—Introductory Physics II—Laboratory ^{bc}	1
PSCHEM 100—Introduction to Psychology ^d	4
PSCHEM 242—Introduction to Research in Psychology	3
One course in developmental or abnormal psychology, choose from the following:	3
PSCHEM 270—Abnormal Psychology (3) ^d	
PSCHEM 320—Developmental Psychology (3)	
KN 251—Human Physiological Anatomy I ^e	5
KN 252—Human Physiological Anatomy II ^e	5
Total Hours—Pre-Physical Therapy	50

^a Students completing an undergraduate degree at UIC must complete the General Education requirements. Students should consult the General Education section and their college/department sections of the catalog for more information on fulfilling these requirements.

^b This course is approved for the Analyzing the Natural World General Education category.

^c Each of the following pairs of courses will be considered one course in meeting the LAS General Education requirements: PHYS 105/106; PHYS 107/108.

^d This course is approved for the Understanding the Individual and Society General Education category.

^e KN 251/252 sequence begins in the fall semester only.

In addition, applicants must complete a minimum of 45 hours of documented volunteer or observation experiences in three different physical therapy facilities; at least 15 hours must be completed at each facility. Current certification in CPR (cardiopulmonary resuscitation) with Health Provider Status is recommended prior to beginning the professional program. Students must also have earned a bachelor's degree prior to enrolling in the program.

The minimum GPA for application to the program in physical therapy is 2.50/4.00 in science and nonscience courses. The competitive GPA, however, is considerably above this level. The Graduate Record Examination (GRE) must be taken within five years of the date of application. Students must apply for admission to the program approximately one year before planned enrollment.

There are two parts to the application: the online application and a supplemental set of materials. Applicants to the DPT program must apply online using the Physical Therapist Centralized Application Service (PTCAS). Applicants can begin their PTCAS application in August. The PT program application deadline is October 15th. The supplemental materials must be sent directly to the Department of Physical Therapy and postmarked by the October 15 deadline. To learn more about the PTCAS application process, please visit the PTCAS web site at <http://www.ptcas.org>.

Minors

The College of Applied Health Sciences offers a minor in Kinesiology and a minor in Nutrition. Both minors are open to majors from other departments and colleges. Refer to the list of eligibility requirements in the Department of Kinesiology and Nutrition section of the catalog.

Minor	Department	Hours
Kinesiology	Kinesiology and Nutrition	19–20 ^a
Nutrition	Kinesiology and Nutrition	18 ^a

^a One-half of the hours required for the minor must be completed in enrollment residence at UIC.

Academic Advising

Academic advising is provided at the department level. Students should contact their unit's program coordinator or academic advisor for more information on advising.

Advising Policy

All Applied Health Sciences students are required to meet with their academic advisor once each term, or as specified in their program handbook. Students on academic probation are required to meet with their academic advisor prior to registering for the next term. Students interested in applying to professional programs in the College of Applied Health Sciences are encouraged to schedule an advising appointment at least one year prior to their expected admission date. Monthly advising sessions are offered for most professional programs in the college. Some programs assign a faculty advisor during the year of matriculation. Students should contact their individual departments or the Office of Student Affairs for further details.

Academic Honors

College Honors

The college recognizes and conforms with the campuswide honors program. University Honors are awarded to graduating students whose cumulative grade point average falls within the following honors categories:

Summa cum laude: 3.90 and above

Magna cum laude: 3.75 to 3.89

Cum laude: 3.50 to 3.74

Transfer students must have earned a minimum of 42 hours at the University of Illinois at Chicago at the end of the term prior to the term of graduation and have a minimum of 60 hours completed at UIC upon graduation.

In addition, transfer students must have an institutional (UIC) grade point average of 3.50 in order to qualify for University Honors.

Dean's List

Each semester the Dean's List honors the academic excellence of students enrolled in the college's undergraduate programs. Students must be full time and earn at least 12 semester hours in his or her respective department to be eligible. Students must also earn a semester grade point average of 3.50/4.00 or higher.

Student Organizations

Applied Health Sciences students have a variety of student organizations available to them, ranging from student government to professional societies and organizations to groups organized around a specific focus. Involvement in student organizations is encouraged as experiences gained can enhance learning and contribute to development of valuable leadership skills. All students, upon admission, become members of the Urban Allied Health Academy. Students can also serve on various college committees.

Abbreviated Listing:

Urban Allied Health Academy
 AHS Student Council
 Disabled Students Union
 Disability History and Culture Club
 Health Professions Student Council
 Kinesiology Club
 Occupational, Physical Therapy and Nutrition Students Organization (OPTNS)
 Pre-Physical Therapy Club
 Student Nutrition Association

DEPARTMENT OF BIOMEDICAL AND HEALTH INFORMATION SCIENCES

250 Applied Health Sciences Building (AHSB)
 (312) 996-3530

bhis@uic.edu

<http://www.bhis.uic.edu>

Administration: Interim Department Head, June Wencel-Drake

Program Director, Health Information Management,
 Karen Patena

Office of Student Affairs College of Applied Health
 Sciences: Renee Pleshar

Academic Advisor: Contact the Program Director, Karen Patena

The mission of Biomedical and Health Information Sciences is to advance the quality and efficiency of healthcare through improved information management, communication, and the generation of new forms of biomedical

and other healthcare data. The goals of the department are leadership, innovation, initiative, and quality with strong focus on the unique arena of health informatics at the University of Illinois at Chicago.

The department actively supports the central mission of the College of Applied Health Sciences by facilitating innovative educational and research programs, providing leadership within department disciplines to meet current industry challenges, and ensuring that graduates have a competitive edge in the increasingly demanding health informatics marketplace. The department strives to produce healthcare professionals who can effectively partner with and/or lead information technology professionals in the problem-solving activities of their organizations.

The Department of Biomedical and Health Information Sciences offers an undergraduate program leading to the Bachelor of Science in Health Information Management. The undergraduate brochure for Health Information Management is available online <http://www.bhis.uic.edu>.

Accreditation

The Bachelor of Science in Health Information Management program is accredited by the Commission on Accreditation for Health Informatics and Information Management Education (CAHIM).

BS in Health Information Management

The Health Information Management undergraduate degree program provides skilled instruction in the management and use of information and information systems for healthcare planning, provision, resource allocation, and executive decision making. The undergraduate program, established in 1965, maintains a reputation of excellence and consistently produces graduates who become leaders in the field.

Within the world of health information management, registered health information administrators (RHIA) are responsible for the management of health information systems consistent with the medical, administrative, ethical, and legal requirements of the healthcare delivery system. RHIAs often have opportunities to develop information systems for quality patient care, facility reimbursement, medical research, health planning, and healthcare evaluation. Administrative duties of the RHIA encompass responsibility for personnel, capital equipment selection, systems design and analysis, hospital committee activities, and budget management. RHIAs also provide health information to qualified users and safeguard confidential patient data. The job forecast for RHIAs is positive, not only in hospitals but also in other healthcare settings, such as home health agencies, hospice programs, nursing homes, and ambulatory care facilities. Employment opportunities also exist in education, research, consulting, sales, insurance companies, and with state and national healthcare organizations.

The Health Information Management program is available on a full- or part-time basis and begins with the fall semester. Although health information technician course credits do not count toward the required 60 semester or 90 quarter hours of prerequisites, registered health information technicians (RHITs) with passing scores on required validation examinations administered by department faculty are not required to enroll in certain courses.

Graduates receive a Bachelor of Science in Health Information Management degree and are eligible to register for the national RHIA credential examination offered by AHIMA.

Transfer Admission Requirements

Students seeking admission to the Bachelor of Science in Health Information Management program must meet these minimum requirements:

- Junior standing with 60 semester or 90 quarter credit hours at an accredited college/university.
- Successful completion of Pre-Health Information Management courses offered by the College of Liberal Arts and Sciences or the equivalent.
- Cumulative grade point average of 2.00/4.00 for all completed undergraduate courses.
- International students must have a Test of English as a Foreign Language (TOEFL) score of 80, with subscores of Reading 19, Listening 17, Speaking 20, and Writing 21 on the Internet-based test (iBT).
- Demonstrated reading and writing proficiency; ability to convey maturity; desire to work with people; and ability to direct work of others.
- Completion of application process, including a personal interview with department faculty and submission of three references.
- Thorough understanding of the professional health information manager's role and responsibilities.

Degree Requirements

To earn a Bachelor of Science in Health Information Management degree from UIC, students need to complete University, college, and department degree requirements. The Department of Biomedical and Health Information Sciences degree requirements are outlined below. Students should consult the *College of Applied Health Sciences* section for additional degree requirements and college academic policies.

BS in Health Information Management Degree Requirements	Hours
Pre-Health Information Management Required Courses	60
Health Information Management Required Courses	62
Total Hours—BS in Health Information Management	122

Pre-Health Information Management Course Requirements

Courses	Hours
ENGL 160—Academic Writing I: Writing for Academic and Public Contexts	3
ENGL 161—Academic Writing II: Writing for Inquiry and Research	3
BIOS 100—Biology of Cells and Organisms ^a	5
Additional Analyzing the Natural World course ^b	3–5
KN 251—Human Physiological Anatomy I ^c	5
KN 252—Human Physiological Anatomy II ^c	5
Choose one of the following courses:	5
MATH 118—Mathematical Reasoning (5)	
MATH 121—Precalculus Mathematics (5)	
PSCH 100—Introduction to Psychology ^d	4
PSCH 242—Introduction to Research in Psychology	3
Exploring World Cultures course ^b	3
Understanding the Creative Arts course ^b	3
Understanding the Past course ^b	3
Understanding U.S. Society course ^b	3
IDS 200—Introduction to Management Information Systems	4

Electives—To complete the required total of 60 hours of Pre-Health Information Management courses. 6–8

Total Hours—Pre-Health Information Management Requirements	60
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^a This course is approved for the *Analyzing the Natural World General Education* category.

^b Students should consult the General Education section of the catalog for a list approved courses in this category.

^c KN 251/252 sequence begins in the fall term only.

^d This course is approved for the *Understanding the Individual and Society General Education* category.

Health Information Management Required Courses

Courses	Hours
HIM 410—Introduction to the Healthcare System	3
HIM 317—Principles of Health Information Management	4
HIM 319—Alternative Health Records	4
HIM 320—Technical Affiliation	2
HIM 329—Legal Aspects of Health Information Management	3
HIM 432—Coding and Classification Systems	3
HIM 433—Coding and Reimbursement Systems	4
HIM 337—Analysis of Healthcare Data	4
HIM 343—Quality Evaluation and Management	3
HIM 361—Human Resources Management	4
HIM 367—Systems Analysis	3
HIM 374—Health Information Research	3
HIM 377—Current Issues in Health Information Management	2
HIM 481—Financial Management	2
HIM 384—Clinical Practicum	5
BHIS 405—Medical Sciences and Human Pathophysiology	4
BHIS 410—Health Data Structures and Management	3
BHIS 460—Introduction to Health Informatics	1
BHIS 461—Information Systems for Health Information Management	2
BHIS 480—Management and Business Practices	3
Total Hours—Health Information Management Required Courses	62

Sample Course Schedule

Junior Year

Fall Semester	Hours
HIM 410—Introduction to the Healthcare System	3
HIM 317—Principles of Health Information Management	4
BHIS 405—Medical Sciences and Human Pathophysiology	4
BHIS 460—Introduction to Health Informatics	1
BHIS 461—Information Systems for Health Information Management	2
BHIS 480—Management and Business Practices	3
Total Hours	17
Spring Semester	Hours
HIM 319—Alternative Health Records	4
HIM 320—Technical Affiliation	2
HIM 329—Legal Aspects of Health Information Management	3
HIM 432—Coding and Classification Systems	3
HIM 337—Analysis of Healthcare Data	4
Total Hours	16

Senior Year

Fall Semester	Hours
HIM 433—Coding and Reimbursement Systems	4
HIM 343—Quality Evaluation and Management	3
HIM 361—Human Resources Management	4
HIM 381—Financial Management	2
BHIS 410—Health Data Structures and Management	3
Total Hours	16
Spring Semester	Hours
HIM 367—Systems Analysis	3
HIM 374—Health Information Research	3
HIM 377—Current Issues in Health Information Management	2
HIM 384—Clinical Practicum	5
Total Hours	13

DEPARTMENT OF KINESIOLOGY AND NUTRITION

650 Applied Health Sciences Building (AHSB)
Administration: Main Office, (312) 996-8055
kndept@uic.edu
http://www.ahs.uic.edu/kn

Interim Head, Charles Walter, PhD
East Campus Student Office, (312) 996-4600
337 Physical Education Building (PEB)
Director of Undergraduate Studies, Mary Lou Bareither, PhD
Director of Accredited Nutrition Programs, Jamie Sutton Shifley, MS, RD, LDN
Academic Advisor, Emily Walker

The Department of Kinesiology and Nutrition offers four major concentrations that lead to the Bachelor of Science degree in either Kinesiology or Nutrition.

Bachelor of Science in Kinesiology:

- Movement Science
- Exercise and Fitness

Bachelor of Science in Nutrition:

- Coordinated Program
- Nutrition Science

BS in Kinesiology

The Bachelor of Science program offers two areas of concentration: Movement Science, and Exercise and Fitness. The focus of the concentration in Movement Science is to prepare students for graduate and professional programs in the health sciences, including medicine, movement sciences, nursing, pharmacy, physical therapy, and occupational therapy, among others. The concentration in Exercise and Fitness prepares students for careers in clinical, corporate, and community health and fitness settings. It provides the fundamental background required to develop exercise and fitness programs for persons of all ages both healthy and disabled. This concentration assists students in becoming certified as health/fitness professionals.

Transfer Admission Requirements

Students seeking admission to the department as a transfer student must have earned a minimum of 36 semester hours (54 quarter hours) or more at another college or university and must meet the entrance requirements that are specified for transfer students. The minimum transfer grade point average for admission is 2.50/4.00. No more than 60 semester hours (90 quarter hours) of credit may be accepted as transfer work from a two-year college or

university. Complete transcripts from all postsecondary institutions must be submitted in order to be considered for admission. International students must have a Test of English as a Foreign Language (TOEFL) score of 80, with subscores of Reading 19, Listening 17, Speaking 20, and Writing 21 on the Internet-based TOEFL (iBT).

Degree Requirements—Both Concentrations

To earn a Bachelor of Science in Kinesiology degree from UIC, students need to complete University, college, and department degree requirements. The Department of Kinesiology and Nutrition degree requirements are outlined below. Students should consult the *College of Applied Health Sciences* section for additional degree requirements and college academic policies.

University Writing Requirement

Courses	Hours
ENGL 160—Academic Writing I: Writing for Academic and Public Contexts	3
ENGL 161—Academic Writing II: Writing for Inquiry and Research	3
Total Hours—University Writing Requirement	6

Kinesiology Common Core

Courses	Hours
KN 100—Kinesiology and Nutrition: First-Year Seminar	2
KN 251—Human Physiological Anatomy I	5
KN 252—Human Physiological Anatomy II	5
KN 261—Applied Musculoskeletal Anatomy	3
KN 335—Exercise Psychology	3
KN 352—Physiology of Exercise	4
KN 361—Biomechanics: Introduction to the Human Machine	3
KN 372—Motor Control and Learning	3
HN 196—Nutrition	3
Total Hours—Kinesiology Common Core	31

Degree Requirements—Concentration in Movement Science

BS in Kinesiology, Concentration in Movement Science Degree Requirements	Hours
University Writing Requirement	6
Kinesiology Common Core	31
General Education Core Requirements	21
Concentration Required Courses	44
Electives	18
Total Hours—BS in Kinesiology, Concentration in Movement Science	120

University Writing Requirement and Kinesiology Common Core

See previous section *Degree Requirements—Both Concentrations*.

General Education Core Requirements

Courses	Hours
BIOS 100—Biology of Cells and Organisms ^a	5
PSCH 100—Introduction to Psychology ^b	4
Exploring World Cultures course ^c	3
Understanding the Creative Arts course ^c	3
Understanding the Past course ^c	3
Understanding U.S. Society course ^c	3
Total Hours—General Education Core Requirements^d	21

^a This course is approved for the *Analyzing the Natural World General Education* category.

^b This course is approved for the Understanding the Individual and Society General Education category.

^c Students should consult the General Education section of the catalog for a list of approved courses in this category.

^d Some of the Concentration Required Courses count toward the University minimum of 24 semester hours in General Education Core courses. Please see the course list that follows.

Concentration in Movement Science—Required Courses

Courses	Hours
BIOS 101—Biology of Populations and Communities ^a	5
BIOS 220—Mendelian Genetics	3
CHEM 112—General College Chemistry I ^a	5
CHEM 114—General College Chemistry II ^a	5
CHEM 232—Organic Chemistry I	4
MATH 180—Calculus I ^a	5
PSCH 242—Introduction to Research in Psychology	3
Choose one of the following two-course sequences:	5
PHYS 105—Introductory Physics I—Lecture (4) ^a	
PHYS 106—Introductory Physics I—Laboratory (1) ^a	
OR	
PHYS 141—General Physics I (4) ^a	
PHYS 144—Problem-Solving Workshop for General Physics I (1)	
KN 452—Advanced Exercise Physiology	3
KN 465—Biomechanics of the Neuromusculoskeletal Systems	3
KN 472—Movement Neuroscience	3
Total Hours—Concentration in Movement Science Required Courses	44

^a This course is approved for the Analyzing the Natural World General Education category.

Concentration in Movement Science—Electives

Courses	Hours
Electives ^a —Upper-level Kinesiology courses (300- or 400-level courses).	9
Free Electives	9
Total Hours—Concentration in Movement Science—Electives	18

^a Students with a cumulative GPA of 3.25/4.00 or greater are encouraged to complete the following courses in their senior year as part of the elective course work:

- KN 398—Senior Research Seminar (3 Hours)
- KN 399—Senior Research Project (3 Hours)

Sample Course Schedule—Concentration in Movement Science

Freshman Year

Fall Semester	Hours
BIOS 100—Biology of Cells and Organisms	5
ENGL 160—Academic Writing I: Writing for Academic and Public Contexts	3
KN 100—Kinesiology and Nutrition: First-Year Seminar	2
PSCH 100—Introduction to Psychology	4
Total Hours	14
Spring Semester	Hours
BIOS 101—Biology of Populations and Communities	5
ENGL 161—Academic Writing I: Writing for Inquiry and Research	3
General Elective	3
HN 196—Nutrition	3
Total Hours	14

Sophomore Year

Fall Semester	Hours
CHEM 112—General College Chemistry I	5
KN 251—Human Physiological Anatomy I	5
MATH 180—Calculus I	5
Total Hours	15

Spring Semester	Hours
CHEM 114—General College Chemistry II	5
KN 252—Human Physiological Anatomy II	5
KN 261—Applied Musculoskeletal Anatomy	3
PSCH 242—Introduction to Research in Psychology	3
Total Hours	16

Junior Year

Fall Semester	Hours
KN 335—Exercise Psychology	3
KN 352—Physiology of Exercise	4
PHYS 105—Introductory Physics I	
PHYS 106—Intro Physics Lab I	
OR	
PHYS 141—General Physics I	
PHYS 144—Problem-Solving Workshop for General Physics I	5
General Education Core course	3
Total Hours	15

Spring Semester	Hours
CHEM 232—Organic Chemistry I	4
KN 361—Biomechanics: Introduction to the Human Machine	3
KN 372—Motor Control and Learning	3
General Education Core course	3
General Elective	3
Total Hours	16

Senior Year

Fall Semester	Hours
BIOS 220—Mendelian Genetics	3
KN 465—Biomechanics of the Neuromusculoskeletal Systems	3
KN Elective 300- or 400-level course	3
KN Elective 300- or 400-level course	3
General Education Core course	3
Total Hours	15

Spring Semester	Hours
KN 452—Advanced Exercise Physiology	3
KN 472—Movement Neuroscience	3
KN Elective 300- or 400-level course	3
General Education Core course	3
General Elective	3
Total Hours	15

Degree Requirements—Concentration in Exercise and Fitness

BS in Kinesiology, Concentration in Exercise and Fitness Degree Requirements	Hours
University Writing Requirement	6
Kinesiology Common Core	31
General Education Core Requirements	24–26
Concentration Required Courses	47
Electives	10–12
Total Hours—BS in Kinesiology, Concentration in Exercise and Fitness	120

University Writing Requirement and Kinesiology Common Core

See previous section *Degree Requirements—Both Concentrations.*

General Education Core Requirements

Courses	Hours
BIOS 100—Biology of Cells and Organisms ^a	5
PSCH 100—Introduction to Psychology ^b	4
Exploring World Cultures course ^c	3
Understanding the Creative Arts course ^c	3
Understanding the Past course ^c	3
Understanding U.S. Society course ^c	3
One additional Analyzing the Natural World course ^{cd}	3–5
Total Hours—General Education Core Requirements	24–26

^a This course is approved for the *Analyzing the Natural World General Education* category.

^b This course is approved for the *Understanding the Individual and Society General Education* category.

^c Students should consult the *General Education* section of the catalog for a list of approved courses in this category.

^d A laboratory course is recommended.

Concentration in Exercise and Fitness—Required Courses

Courses	Hours
MATH 121—Precalculus Mathematics	5
KN 200—Statistical Methods in Kinesiology and Nutrition	3
KN 240—Instructional Techniques in Fitness	3
KN 243—Basic Fitness Assessment	3
KN 331—Sport and Exercise Injury Management	3
KN 343—Advanced Fitness Assessment	3
KN 345—Exercise Programming	3
KN 348—Modifications in Exercise Programming	3
KN 400—Business Principles for the Fitness Professional	3
KN 410—Aging and the Neuromusculoskeletal Systems	3
KN 441—Principles of Resistance Training	3
KN 442—Principles of ECG Interpretation	3
KN 460—Neuromechanical Basis of Human Movement	3
Choose one of the following:	6
KN 393—Undergraduate Internship in Kinesiology	
OR	
Upper-level Kinesiology Electives	
Total Hours—Concentration in Exercise and Fitness Required Courses	47

Concentration in Exercise and Fitness—Electives

Courses	Hours
Electives ^a	10–12
Total Hours—Concentration in Exercise and Fitness Electives	10–12

^a Students with a cumulative GPA of 3.25/4.00 or greater are encouraged to complete the following courses in their senior year as part of the elective course work:

- KN 398—Senior Research Seminar (3 Hours)
- KN 399—Senior Research Project (3 Hours)

Sample Course Schedule—Concentration in Exercise and Fitness

Freshman Year

Fall Semester	Hours
ENGL 160—Academic Writing I: Writing for Academic and Public Contexts	3
BIOS 100—Biology of Cells and Organisms	5
KN 100—Kinesiology and Nutrition: First-Year Seminar	2
General Elective	3
General Education Core course	3
Total Hours	16

Spring Semester	Hours
ENGL 161—Academic Writing II: Writing for Academic and Public Contexts	3
HN 196—Nutrition	3
Analyzing the Natural World Elective	3–5
MATH 121—Precalculus Mathematics	5
Total Hours	14–16

Sophomore Year

Fall Semester	Hours
PSCH 100—Introduction to Psychology	4
KN 200—Statistical Methods in Kinesiology and Nutrition	3
KN 243—Basic Fitness Assessment	3
KN 251—Human Physiological Anatomy I	5
Total Hours	15

Spring Semester	Hours
KN 240—Instructional Techniques in Fitness	3
KN 252—Human Physiological Anatomy II	5
KN 261—Applied Musculoskeletal Anatomy	3
KN 335—Exercise Psychology	3
Total Hours	14

Junior Year

Fall Semester	Hours
KN 331—Sport and Exercise Injury Management	3
KN 352—Physiology of Exercise	4
KN 372—Motor Control and Learning	3
KN 460—Neuromechanical Basis of Human Movement	3
General Elective	3
Total Hours	16

Spring Semester	Hours
KN 345—Exercise Programming	3
KN 361—Biomechanics: Introduction to the Human Machine	3
KN 441—Principles of Resistance Training	3
General Education Core course	3
General Education Core course	3
Total Hours	15

Senior Year

Fall Semester	Hours
KN 343—Advanced Fitness Assessment	3
KN 348—Modifications in Exercise Programming	3
KN 400—Business Principles for the Fitness Professional	3
KN 442—Principles of ECG Interpretation	3
General Education Core course	3
Total Hours	15

Spring Semester	Hours
KN 410—Aging and the Neuromusculoskeletal Systems	3
KN 393—Undergraduate Internship in Kinesiology <i>OR</i>	
KN Electives 300- or 400-level courses	6
General Elective	3
General Elective	3
Total Hours	15

Minor in Kinesiology

The Minor in Kinesiology is open to Nutrition majors and to majors from other units and colleges. Students will be allowed to complete the minor area of study within Kinesiology if they meet the minimum GPA of 2.50/4.00 at the time of application. Students must submit a request form in room 337 PEB and obtain approval. Students outside the College of Applied Health Sciences must also consult their home colleges about acceptability and applicability of Kinesiology course credit toward their degree. Registration for all KN courses is restricted to students in the College of Applied Health Sciences; therefore, students outside the College of Applied Health Sciences seeking a minor will need to register for the courses needed through the academic advisor in the Department of Kinesiology and Nutrition. A minimum GPA of 2.00/4.00 is required for the minor field.

Prerequisites for the Minor	Hours
BIOS 100—Biology of Cells and Organisms	5
Total Hours—Prerequisites for the Minor	5

Required Courses for Minor in Kinesiology	Hours
KN 251—Human Physiological Anatomy I ^a	5
KN 252—Human Physiological Anatomy II ^a	5
KN 261—Applied Musculoskeletal Anatomy	3

A minimum of two courses from the following selected with an advisor: 6–7

KN 243—Basic Fitness Assessment (3)	
KN 331—Sport and Exercise Injury Management (3)	
KN 335—Exercise Psychology (3)	
KN 345—Exercise Programming (3)	
KN 348—Modifications in Exercise Programming (3)	
KN 352—Physiology of Exercise (4)	
KN 361—Biomechanics: Introduction to the Human Machine (3)	
KN 372—Motor Control and Learning (3)	
KN 410—Aging and the Neuromusculoskeletal System (3)	
KN 441—Muscle Physiology (3)	
KN 452—Advanced Exercise Physiology (3)	
KN 460—Neuromechanical Basis of Human Movement (3)	
KN 465—Biomechanics of the Neuromusculoskeletal Systems (3)	
KN 472—Movement Neuroscience (3)	
KN 475—Movement Disorders (3)	
Total Hours—Minor in Kinesiology	19–20

^a These courses are required for the BS in Nutrition; Nutrition majors must take substitute courses selected with an advisor to meet the minimum number of Kinesiology course hours required for the minor.

Enrollment Residence Requirements for the Minor

A student must complete at least one-half of the course work required for the minor field in enrollment residence at the University of Illinois at Chicago.

BS in Nutrition

The Coordinated Program in Nutrition combines the Commission on Accreditation for Dietetics Education required didactic course work with the required supervised practice hours that prepare graduates to take the

Commission on Dietetic Registration examination to become registered dietitians. The Nutrition Science program provides students with the Commission on Accreditation for Dietetics Education required didactic course work. Upon completion of the Nutrition Science Program, students are eligible to apply for an accredited dietetic internship at another institution. After successfully completing a dietetic internship, students are eligible to sit for the Commission on Dietetic Registration examination to become registered dietitians. This program is also for students who do not wish to become registered dietitians, but instead plan to pursue advanced degrees in nutritional sciences, public health, allied health, or a professional degree in medicine.

Coordinated Program Concentration

Currently granted accreditation by the Commission on Accreditation for Dietetics Education of the American Dietetic Association (120 South Riverside Plaza, Suite 2000, Chicago, IL 60606-6995; phone: (312) 899-0040, ext. 5400; <http://www.eatright.org>), the Coordinated Program requires students to complete six semesters of full-time study, which includes didactic classroom work in conjunction with supervised practice experiences provided at a variety of locations throughout the Chicagoland area.

The Coordinated Program prepares graduates for entry-level positions as dietitians in a variety of employment settings, such as healthcare institutions, government organizations, business, industry, and community health agencies. With experience or advanced education, career opportunities can be found in research, education, or private practice. The employment outlook for dietitians is projected to grow in the twenty-first century.

Dietitians provide nutritional care to people in health and disease throughout the life cycle in accordance with their nutritional requirements and food habits. Dietitians' activities include the provision of direct inpatient and outpatient services as well as community program planning and evaluation, clinical protocol development, food service management, and research. Therefore, a dietitian must be knowledgeable in the biological and physical sciences, psychology, sociology, education, and management and must have expertise in food habits, food composition, food service, science of food and nutrition, energy and nutrient needs, program development and evaluation, and research methods. Dietitians counsel clients, as well as work with other members of the healthcare team in providing nutritional care in the clinical setting, and work with consumers in wellness programs and community agencies. Management of personnel, budgets, food operations, and consumer-oriented services in the food or healthcare industry are other areas for dietitians.

Nutrition Science Concentration

The Nutrition Science concentration prepares students for a future career as a registered dietitian, as well as for graduate study in nutrition, medicine, public health, other allied health fields, and dentistry. It is currently granted initial accreditation by the Commission on Accreditation for Dietetics Education of the American Dietetic Association (120 South Riverside Plaza, Suite 2000, Chicago, IL 60606-6995; phone: (312) 899-0040, ext. 5400; <http://www.eatright.org>) as a Didactic Program in Dietetics. The research and teaching is focused on the sciences of nutrition, physiology, biochemistry, and molecular biology and the application of knowledge in these disciplines to the maintenance of health and well-being of humans throughout their lives. The curriculum offers a wide range of courses on the nutritional, epidemiological, and behavioral aspects of human diseases, a broad perspective on human biology (including cultural factors), and a strong clinical

orientation. Students who intend to become dietitians may choose to apply for an accredited dietetic internship outside of UIC to be completed post graduation.

Transfer Admission Requirements

Students seeking admission to the Bachelor of Science in Nutrition programs must meet these minimum requirements:

- Sixty semester or 90 quarter hours of acceptable academic credit
- Minimum cumulative grade point average of 2.50/4.00 (However, currently the average GPA of students accepted into the Coordinated Program is 3.60/4.00, while the average GPA of students accepted into the Nutrition Science program is 3.40/4.00.)
- Successful completion of the required prerequisite courses

The applicant's personal characteristics, motivation, academic background, and work experiences are factors evaluated in selecting candidates for admission into the Coordinated Program through recommendations as well as written and face-to-face interviews.

Degree Requirements—Both Concentrations

To earn a Bachelor of Science in Nutrition degree from UIC, students need to complete University, college, and department degree requirements. The Department of Kinesiology and Nutrition offers two major concentrations in Nutrition:

- Coordinated Program
- Nutrition Science

The Department of Kinesiology and Nutrition degree requirements for both Nutrition concentrations are outlined below. Students should consult the *College of Applied Health Sciences* section for additional degree requirements and college academic policies.

Note: Students who do not place into certain courses or do not carefully plan sequential course work should expect to take summer session courses or possibly take longer than two years to complete the pre-nutrition course work. Students should seek advising from the Department of Kinesiology and Nutrition for advice on course planning.

Pre-Nutrition Course Requirements

Courses	Hours
ENGL 160—Academic Writing I: Writing for Academic and Public Contexts	3
ENGL 161—Academic Writing II: Writing for Academic and Public Contexts	3
COMM 100—Fundamentals of Human Communication ^a	3
Understanding the Creative Arts course ^b	3
Understanding the Past course ^b	3
PSCH 100—Introduction to Psychology ^a	4
SOC 100—Introduction to Sociology ^{ac}	3
SOC 201—Introductory Sociological Statistics	4
CHEM 112—General College Chemistry I ^d	5
CHEM 114—General College Chemistry II ^d	5
CHEM 232 —Organic Chemistry I ^{de}	4
CHEM/BIOS 352—Introductory Biochemistry	3
BIOS 100—Biology of Cells and Organisms ^d	5
BIOS 350—General Microbiology ^e	3
BIOS 351—Microbiology Laboratory ^e	2
MATH 121—Precalculus Mathematics ^f	5

HN 110—Foods	3
HN 196—Nutrition	3
Total Hours—Pre-Nutrition Course Requirements	64

^a This course is approved for the *Understanding the Individual and Society General Education* category.

^b Students should consult the *General Education* section of the catalog for a list approved courses in this category.

^c This course is approved for the *Understanding U.S. Society General Education* category.

^d This course is approved for the *Analyzing the Natural World General Education* category.

^e Students are required to complete or be concurrently enrolled in CHEM 130 or CHEM 232 as a prerequisite for these courses. See CHEM 232 course description for more details.

^f Completion of MATH 121 may be satisfied through placement exam or CLEP.

Degree Requirements—Coordinated Program Concentration

BS in Nutrition—Coordinated Program Degree Requirements	Hours
Pre-Nutrition Course Requirements	64
Coordinated Program Required Courses	76
Total Hours—BS in Nutrition—Coordinated Program	140

Pre-Nutrition Course Requirements

See previous section *Pre-Nutrition Course Requirements* for a list of courses to meet this requirement.

Coordinated Program Required Courses

Courses	Hours
HN 200—Nutritional Assessment	3
HN 202—Culture and Food ^a	2
HN 300—Science of Foods	3
HN 306—Nutrition Education	4
HN 308—Nutrition Science I	3
HN 309—Nutrition Science II	3
HN 311—Nutrition during the Life Cycle	3
HN 312—Nutrition during the Life Cycle Practicum	2
HN 318—Genetic, Molecular, and Cellular Mechanisms of Chronic Diseases	3
HN 320—Clinical Nutrition I	4
HN 321—Clinical Practice I	2
HN 330—Quantity Food Production	3
HN 332—Food Service Management	2
HN 335—Food Service Practice	4
HN 340—Seminar	1
HN 341—The Research Process	2
HN 413—Principles of Delivering Public Health Nutrition Services	3
HN 420—Clinical Nutrition II	2
HN 421—Clinical Practice II	4
HN 422—Clinical Nutrition III	2
HN 423—Clinical Practice III	5
HN 450—Professional Practice	6
KN 251—Human Physiological Anatomy I	5
KN 252—Human Physiological Anatomy II	5
Total Hours—Coordinated Program Required Courses	76

^a This course is approved for the *Exploring World Cultures General Education* category.

Sample Course Schedule—Coordinated Program

Junior Year

Fall Semester	Hours
HN 190—Introduction to Dietetics	1
KN 251—Human Physiological Anatomy I	5
HN 200—Nutritional Assessment	3
HN 308—Nutrition Science I	3
Total Hours	12

Spring Semester	Hours
KN 252—Human Physiological Anatomy II	5
HN 309—Nutrition Science II	3
HN 330—Quantity Food Production	3
HN 413—Principles of Delivery of Public Health Nutrition	3
HN 318—Genetic, Molecular, and Cellular Mechanisms of Chronic Disease	3
Total Hours	17

Senior Year

Fall Semester	Hours
HN 300—Science of Food	3
HN 202—Culture and Food	2
HN 311—Nutrition during the Life Cycle	3
HN 320—Clinical Nutrition I	4
HN 332—Food Service Management	2
Total Hours	14

Spring Semester	Hours
HN 306—Nutrition Education	4
HN 335—Food Service Practice	4
HN 340—Seminar	1
HN 341—The Research Process	2
HN 420—Clinical Nutrition II	2
HN 422—Clinical Nutrition III	2
Total Hours	15

Summer Session:	Hours
HN 321—Clinical Nutrition Practice I	2
HN 421—Clinical Nutrition Practice II	4
Total Hours	6

Fall Semester:	Hours
HN 312—Nutrition during the Life Cycle Practicum	2
HN 423—Clinical Nutrition Practice III	5
HN 450—Professional Practice	6
Total Hours	13

Degree Requirements—Nutrition Science Concentration

BS in Nutrition—Nutrition Science Degree Requirements	Hours
Pre-Nutrition Course Requirements	64
Nutrition Science Required Courses	56
Total Hours—BS in Nutrition—Nutrition Science	120

Pre-Nutrition Course Requirements

See previous section *Pre-Nutrition Course Requirements* for a list of courses to meet this requirement.

Nutrition Science Required Courses

Courses	Hours
HN 200—Nutritional Assessment	3
HN 202—Culture and Food ^a	2
HN 300—Science of Foods	3
HN 308—Nutrition Science I	3
HN 309—Nutrition Science II	3
HN 311—Nutrition during the Life Cycle	3
HN 318—Genetic, Molecular, and Cellular Mechanisms of Chronic Diseases	3
HN 320—Clinical Nutrition I	4
HN 340—Seminar	1
HN 341—The Research Process	2
HN 413—Principles of Delivering Public Health Nutrition Services	3
HN 420—Clinical Nutrition II	2
KN 251—Human Physiological Anatomy I	5
KN 252—Human Physiological Anatomy II	5
Electives ^b	14
Total Hours—Nutrition Science Required Courses	56

^a This course is approved for the Exploring World Cultures General Education category

^b Elective courses will depend upon students' postgraduation goals.

Sample Course Schedule—Nutrition Science

Junior Year

Fall Semester	Hours
KN 251—Human Physiological Anatomy I	5
HN 200—Nutritional Assessment	3
HN 308—Nutrition Science I	3
Electives	3
Total Hours	14

Spring Semester	Hours
KN 252—Human Physiological Anatomy II	5
HN 309—Nutrition Science II	3
HN 413—Principles of Delivery of Public Health Nutrition	3
HN 318—Genetic, Molecular, and Cellular Mechanisms of Chronic Disease	3
Total Hours	14

Senior Year

Fall Semester	Hours
HN 202—Culture and Food	2
HN 300—Science of Food	3
HN 311—Nutrition during the Life Cycle	3
HN 320—Clinical Nutrition I	4
Electives	3
Total Hours	15

Spring Semester	Hours
HN 340—Seminar	1
HN 341—The Research Process	2
HN 420—Clinical Nutrition II	2
Electives	8
Total Hours	13

Minor in Nutrition

The Minor in Nutrition is open to majors from other units and colleges, including those in the BS in Kinesiology program, but not those students enrolled in the BS in Nutrition program. Students will be allowed to complete the minor area of study within Nutrition if they meet the transfer-eligibility criteria at the time of application (minimum GPA of 2.50/4.00). Students must submit a request form to the department (AHSB, Room 650). Students must also consult their home colleges about the acceptability and applicability of Nutrition course credit toward their degree. Registration for most HN courses is restricted to students in the department; therefore, students must register through a departmental academic advisor. A minimum cumulative GPA of 2.50/4.00 is required for the minor field.

Students must take the following courses for a minimum of 18 semester hours:

Nutrition Minor Required Courses	Hours
HN 110—Foods	3
HN 196—Nutrition	3
HN 200—Nutritional Assessment ^a	3
NH 296—Nutrition and Physical Activity ^a	3
HN 307—Human Nutrition and Metabolism ^b	3
HN 311—Nutrition during the Life Cycle ^c	3
Total Minimum Hours—Nutrition Minor	18

Students enrolled in the BS in Kinesiology, which already requires HN 196, must choose one of the following courses to replace the hours for HN 196:

HN 300—Science of Foods (3)^d
HN 202—Culture and Food (2)^e

^a The prerequisite for HN 200 and 296 is HN 196.

^b The prerequisite for HN 307 is HN 196 and one semester of college chemistry.

^c The prerequisite for HN 311 is HN 307.

^d The prerequisite for HN 300 is HN 110.

^e This course is approved for the Exploring World Cultures General Education category.

Enrollment Residence Requirement for the Minor

A student must complete at least one-half of the course work required for the minor field in enrollment residence at the University of Illinois at Chicago.

Undergraduate Research

Undergraduate students are strongly encouraged to participate in the research programs of their chosen area of concentration. A guided research project in either concentration can be one of the most valuable experiences of a college education. The Department of Kinesiology and Nutrition offers the following opportunities:

Independent Study

KN 396—Independent Study in Kinesiology is designed to be a flexible course allowing juniors and seniors to gain experience in Movement Sciences-related research. Taken for 1–3 hours, KN 396 requires close interaction with one or more faculty members over the course of one semester.

Senior Research Seminar and Project

The Senior Research Seminar and Project is offered as a capstone experience to students in both concentrations who have achieved a grade point average of 3.25/4.00 by their senior year of study. Eligible students complete the two-semester sequence by taking KN 398—Senior Research Seminar and KN 399—Senior Research Project. Typically, the first semester is devoted to developing and proposing a topic and obtaining any necessary approvals for the study (e.g., Institutional Review Board approval to work with human subjects). The second semester consists of implementing, writing, and presenting of the research project. Students earn six semester hours of graduation credit. In addition to the grade point average requirement, all Senior Research Seminars and Projects require a faculty mentor.

Summer Research Scholarship

Promising students of sophomore standing or above who have demonstrated an interest in the research of Kinesiology faculty may apply to receive a Summer Research Scholarship. Recipients of the award will work closely with a principal investigator and graduate students in a Kinesiology laboratory on a project designed by the student and faculty member. Depending on the length and nature of the research experience, the fellowship may include a stipend, tuition waiver, graduation credit, or some combination of the three. If the student and faculty member desire, the work accomplished during this experience may be later developed into the student's Senior Research Seminar and Project.

Professional Certifications

Courses in the Exercise and Fitness concentration have been developed to assist students in becoming certified as health/fitness professionals by organizations such as the American College of Sports Medicine, National Strength and Conditioning Association, and the American Council on Exercise. For information on certification, please see each organization's Web site.