College of Applied Health Sciences

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Human Nutrition: (312) 996-8055
Movement Sciences: (312) 996-4600
Occupational Therapy: (312) 996-6901
Physical Therapy: (312) 996-7784

Introduction

Nationally prominent in research, service, and education, the College of Applied Health Sciences is a leader in applied rehabilitation and disability studies. The college houses six departments: Biomedical and Health Information Sciences, Disability and Human Development, Human Nutrition, Movement Sciences, 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, human nutrition, movement sciences, occupational therapy, and physical therapy. The college offers three bachelor's degrees, seven master's degrees, and five 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 the health information management and human nutrition Coordinated Programs. 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 human 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 Movement Sciences and Human Nutrition departments. 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 Movement Sciences accepts students at the freshman and transfer level and awards the BS in Movement Sciences degree. There are two concentrations available in the Movement Sciences 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 Department of Human Nutrition admits students to the Nutrition Science program at the transfer level only and awards the BS in Human 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 later in this 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 Applied Health Sciences students are outlined below. Students should consult the major department section for additional degree requirements.
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 Movement Sciences curriculum must be taken at the 300- or 400-level. Human Nutrition and Health Information students follow a prescribed curriculum.

Full-Time Enrollment
The Human Nutrition—Coordinated Program and the Health Information Management program are full-time, day programs. A part-time progression program is available for Registered Health Information Technicians (RHIT) in the Health Information Management program. 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 Movement Sciences program and Human Nutrition—Nutrition Science programs can be completed on a part-time basis.

Grade Point Average (GPA) Requirement
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.

Graduation Declaration/Filing to Graduate
Students declare their intent to graduate online using UIC Web for Student. The deadline for submission to the Pending Degree List is the end of the third week (fall and spring) or second week (summer) 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 Movement Sciences must also declare their intent to graduate with their academic adviser at least one term prior to their intended graduation date.

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 college or university after attaining junior standing, a student must earn at least 60 semester 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
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 apply to students who have attended 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 requirement 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 Human 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 (RHITs).

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**

Not all programs in the college allow students to be placed on academic probation (refer to the program's student handbook). In cases where applicable, academic probation designates the status of a student who has failed to attain the acceptable level of academic achievement as defined below:

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 grade point average during the probation semester that is sufficiently above 2.00 to maintain a grade point average of 2.00 or above for all work in the College of Applied Health Sciences.

**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**

Undergraduate students may drop courses using UIC Web for Student through the end of the second week of classes for fall and spring semesters, or through the end of week 1 during the summer semester. During weeks 3 through 6 of the fall and spring semesters (weeks 2 through 5 for summer semester) students may drop courses with the permission of their major college. If the drop occurs between 0–2 weeks in fall and spring (between weeks 0–1 in summer), there will be no notation on the transcript. If the drop occurs during weeks 3 through 6 in fall and spring (weeks 2 through 5 in summer), 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 departments, at the following locations, to make changes to their schedule: Health Information Management, Room 250 AHSB, (312) 993-7337; Human Nutrition, Room 647 AHSB, (312) 355-1908; and Movement Sciences, Room 337 PEB, (312) 996-4600. 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 Human Nutrition and Health Information Management programs in the fall term. Students are admitted to the Movement Sciences program in the fall and spring terms. Students who would like to change their major to Movement Sciences should meet with the academic adviser in Movement Sciences.

**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 Human 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. Credit/no credit option requests must be completed prior to the 10th day of the term (5th day for summer session).

**Declaring a Major**

Admission to the Health Information Management and Human Nutrition programs provides automatic declaration of a major. Students in the Department of Movement Sciences must make an appointment with an academic adviser 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**

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 receive written authorization from the dean of the second college at least one year prior to the intended graduation date.

**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 Department of Movement Sciences 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. Petition forms are available on the AHS Web site [http://www.ahs.uic.edu](http://www.ahs.uic.edu) or in the AHS department offices.

**Proficiency Examinations**

The Health Information Management Program (HIM) offers proficiency examinations for some of its professional courses. Students interested in proficiency examinations for HIM should contact the 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 must meet with an academic adviser prior to registering for the next term. Students in professional programs must complete 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.

**Repeating a Course**

Students may repeat a course in which a failing grade or a grade of D (and thus credit) has been assigned. The original credit is forfeited in the case of D grade although both grades will be included in the cumulative grade point average and will remain on the student's permanent record. Any student planning to repeat a course a second time should see an academic adviser.

For selected programs in the college, a course for which a grade of D or F is received must be repeated with an earned grade of C or higher. Both grades will remain on the transcript. If a student in a professional program is unable to take further courses in the next occurring semester as a result of this policy, the student may be allowed to reenter the program at the next appropriate semester, or to reapply to the program as a new student. Students should contact their major department for more information.

**Second Bachelor's Degree**

Students seeking a second bachelor's degree are required to follow the same application procedures as all other applicants. Students must complete a minimum of 30 semester hours of credit beyond the requirements of their first degree and all of the major requirements for their second degree. Students who have received a bachelor's degree from another institution also must meet all residence requirements.

**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 Service, 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 Service 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 a College of Applied Health Sciences program. Students who would like to transfer to the Movement Science program should go to the Department of Movement Sciences office (337 PEB) to request an Intercollege Transfer form. Intercollege transfers 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.
All other AHS programs require a program-specific application form. 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 adviser. Students should then meet with an academic adviser 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 Movement Sciences majors. Advisers 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 predmission 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](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 a preprofessional adviser 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.

<table>
<thead>
<tr>
<th>Courses</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOS 100—Biology of Cells and Organismsa</td>
<td>5</td>
</tr>
<tr>
<td>MVSC 251—Human Physiological Anatomy I</td>
<td>5</td>
</tr>
<tr>
<td>MVSC 252—Human Physiological Anatomy II</td>
<td>5</td>
</tr>
<tr>
<td>PSCH 100—Introduction to Psychology</td>
<td>4</td>
</tr>
<tr>
<td>PSCH 242—Introduction to Research in Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSCH 270—Abnormal Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSCH 320—Developmental Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSCH 343—Statistical Methods in Behavioral Science</td>
<td>3</td>
</tr>
</tbody>
</table>

One course in anthropology or sociology

| Total Hours—Pre-Occupational Therapy | 34 |

By 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.

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

a MVSC 251/252 sequence begins in the fall semester only.

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

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

Other minimum admissions requirements include earned bachelor’s degree in any field, CPR (cardiopulmonary resuscitation) certification with Health Providers Status, 3.00/4.00 GPA, 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 a preprofessional adviser to plan a course of study that fulfills the pre-physical therapy studies requirements as well as the requirements for the major.

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

Courses\(^a\) Hours

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOS 100</td>
<td>Biology of Cells and Organisms(^b)</td>
<td>5</td>
</tr>
<tr>
<td>CHEM 112</td>
<td>General College Chemistry I (5)(^b)</td>
<td>5</td>
</tr>
<tr>
<td>CHEM 114</td>
<td>General College Chemistry II (5)(^b)</td>
<td>5</td>
</tr>
<tr>
<td>OR</td>
<td>CHEM 116—Honors General Chemistry I (5)(^b)</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>CHEM 118—Honors General Chemistry II (5)(^b)</td>
<td>5</td>
</tr>
<tr>
<td>MATH 180</td>
<td>Calculus I</td>
<td>5</td>
</tr>
<tr>
<td>PHYS 105</td>
<td>Introductory Physics I—Lecture(^b)</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 106</td>
<td>Introductory Physics I—Laboratory(^b)</td>
<td>1</td>
</tr>
<tr>
<td>PHYS 107</td>
<td>Introductory Physics II—Lecture(^b)</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 108</td>
<td>Introductory Physics II—Laboratory(^b)</td>
<td>1</td>
</tr>
<tr>
<td>PSCH 100</td>
<td>Introduction to Psychology(^c)</td>
<td>4</td>
</tr>
<tr>
<td>PSCH 242</td>
<td>Introduction to Research in Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSCH 270</td>
<td>Abnormal Psychology (3)</td>
<td>3</td>
</tr>
<tr>
<td>PSCH 320</td>
<td>Developmental Psychology (3)</td>
<td>3</td>
</tr>
<tr>
<td>MVSC 251</td>
<td>Human Physiological Anatomy I(^d)</td>
<td>5</td>
</tr>
<tr>
<td>MVSC 252</td>
<td>Human Physiological Anatomy II(^d)</td>
<td>5</td>
</tr>
<tr>
<td><strong>Total Hours—Pre-Physical Therapy</strong></td>
<td></td>
<td><strong>50</strong></td>
</tr>
</tbody>
</table>

\(^a\) 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.

\(^c\) This course is approved for the Understanding the Individual and Society General Education category.

\(^d\) MVSC 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 apply for admission to the program approximately one year before planned enrollment.

Minors

The College of Applied Health Sciences offers a minor in Movement Science. The minor is open to majors from other departments and colleges. Refer to the list of eligibility requirements in the Department of Movement Sciences section of the catalog.

<table>
<thead>
<tr>
<th>Minor</th>
<th>Department</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Movement Science</td>
<td>Movement Sciences</td>
<td>19–23(^a)</td>
</tr>
</tbody>
</table>

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

Academic Advising

Contact Information

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

Advising Policy

All Applied Health Sciences students are required to meet with their academic adviser once each term, or as specified in their program handbook. Students on academic probation are required to meet with their academic adviser 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 adviser 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 campus-wide 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
Within the world of health information management, registered health information administrators (RHIs) are responsible for the management of health information systems consistent with the medical, administrative, ethical, and legal requirements of the healthcare delivery system. RHIs often have opportunities to develop information systems for quality patient care, facility reimbursement, medical research, health planning, and healthcare evaluation. Administrative duties of the RHI encompass responsibility for personnel, capital equipment selection, systems design and analysis, hospital committee activities, and budget management. RHIs also provide health information to qualified users and safeguard confidential patient data. The job forecast for RHIs 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 550 on the paper-based test (PBT), 213 on the computer-based test (CBT), or 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.

Abbreviated Listing:
Urban Allied Health Academy
AHS Student Council
Disabled Students Union
Disability History and Culture Club
Health Professions Student Council
Occupational, Physical Therapy and Movement Sciences Students Organization (OPTIMSS)
Student Nutrition Association

DEPARTMENT OF BIOMEDICAL AND HEALTH INFORMATION SCIENCES

250 Applied Health Sciences Building (AHSB)
(312) 996–7337
bhis@uic.edu
http://www.bhis.uic.edu

Administration: Department Head, Annette Valenta; Program Director, Health Information Management, Karen Patena
Office of Student Services College of Applied Health Sciences: Eileen Doran
Academic Adviser: 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 (CAHIIM).

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.
BS in Health Information Management

Degree Requirements

<table>
<thead>
<tr>
<th>Pre-Health Information Management Required Courses</th>
<th>60</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health Information Management Required Courses</td>
<td>62</td>
</tr>
<tr>
<td>Total Hours—BS in Health Information Management</td>
<td>122</td>
</tr>
</tbody>
</table>

Pre-Health Information Management Course Requirements

<table>
<thead>
<tr>
<th>Courses</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 160—Academic Writing I: Writing for Academic and Public Contexts</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 161—Academic Writing II: Writing for Inquiry and Research</td>
<td>3</td>
</tr>
<tr>
<td>BIOS 100—Biology of Cells and Organisms(^a)</td>
<td>5</td>
</tr>
<tr>
<td>Additional Analyzing the Natural World course(^b)</td>
<td>3–5</td>
</tr>
<tr>
<td>MVSC 251—Human Physiological Anatomy (^c)</td>
<td>5</td>
</tr>
<tr>
<td>MVSC 252—Human Physiological Anatomy (^c)</td>
<td>5</td>
</tr>
<tr>
<td>Choose one of the following courses:</td>
<td></td>
</tr>
<tr>
<td>MATH 118—Mathematical Reasoning (S)</td>
<td></td>
</tr>
<tr>
<td>MATH 121—Precalculus Mathematics (S)</td>
<td></td>
</tr>
<tr>
<td>PSCH 100—Introduction to Psychology(^d)</td>
<td>4</td>
</tr>
<tr>
<td>PSCH 242—Introduction to Research in Psychology</td>
<td>3</td>
</tr>
<tr>
<td>Exploring World Cultures course(^b)</td>
<td>3</td>
</tr>
<tr>
<td>Understanding the Creative Arts course(^b)</td>
<td>3</td>
</tr>
<tr>
<td>Understanding the Past course(^b)</td>
<td>3</td>
</tr>
<tr>
<td>Understanding U.S. Society course(^b)</td>
<td>3</td>
</tr>
<tr>
<td>IDS 200—Introduction to Management Information Systems</td>
<td>4</td>
</tr>
<tr>
<td>Electives—To complete the required total of 60 hours of Pre-Health Information Management courses.</td>
<td>6–8</td>
</tr>
<tr>
<td>Total Hours—Pre-Health Information Management Requirements</td>
<td>60</td>
</tr>
</tbody>
</table>

\(^a\) 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.
\(^c\) MVSC 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

<table>
<thead>
<tr>
<th>Courses</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIM 310—Introduction to the Healthcare System</td>
<td>3</td>
</tr>
<tr>
<td>HIM 317—Principles of Health Information Management</td>
<td>4</td>
</tr>
<tr>
<td>HIM 319—Alternative Health Records</td>
<td>4</td>
</tr>
<tr>
<td>HIM 320—Technical Affiliation</td>
<td>2</td>
</tr>
<tr>
<td>HIM 329—Legal Aspects of Health Information Management</td>
<td>3</td>
</tr>
<tr>
<td>HIM 332—Coding and Classification Systems</td>
<td>3</td>
</tr>
<tr>
<td>HIM 333—Coding and Reimbursement Systems</td>
<td>4</td>
</tr>
<tr>
<td>HIM 337—Analysis of Healthcare Data</td>
<td>4</td>
</tr>
<tr>
<td>HIM 343—Quality Evaluation and Management</td>
<td>3</td>
</tr>
<tr>
<td>HIM 361—Human Resources Management</td>
<td>4</td>
</tr>
<tr>
<td>HIM 361—Financial Management</td>
<td>2</td>
</tr>
<tr>
<td>BHIS 410—Health Data Structures and Management</td>
<td>3</td>
</tr>
<tr>
<td>BHIS 460—Introduction to Health Informatics</td>
<td>1</td>
</tr>
<tr>
<td>BHIS 461—Information Systems for Health Information Management</td>
<td>2</td>
</tr>
<tr>
<td>BHIS 480—Management and Business Practices</td>
<td>3</td>
</tr>
<tr>
<td>Total Hours—Health Information Management Required Courses</td>
<td>62</td>
</tr>
</tbody>
</table>

Sample Course Schedule

Junior Year

### Fall Semester | Hours
---|---
HIM 310—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
HIS 332—Coding and Classification Systems | 3
HIM 337—Analysis of Healthcare Data | 4
Total Hours | 17

### Spring Semester | Hours
---|---
HIM 310—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
HIS 332—Coding and Classification Systems | 3
HIM 337—Analysis of Healthcare Data | 4
Total Hours | 16

Senior Year

### Fall Semester | Hours
---|---
HIM 333—Coding and Reimbursement Systems | 4
HIM 343—Quality Evaluation and Management | 3
HIM 361—Human Resources Management | 4
HIM 361—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
The Department of Human Nutrition offers two major concentrations (the Coordinated Program concentration and the Nutrition Science concentration) that lead to the Bachelor of Science degree. The Coordinated Program concentration focuses on the practice of nutrition (i.e., dietetics). Upon successful completion of the program, students are eligible to take the Registration Examination of the Commission on Dietetic Registration to become a Registered Dietitian (RD). The Nutrition Science concentration focuses on intensive study in biological and physical sciences as a basis for understanding the science of nutrition and the relationships between nutrients and human health.

BS in Human Nutrition

Coordinated Program Concentration
Accredited by the American Dietetic Association, the Coordinated Program requires students to complete six semesters of full-time study, which includes classroom work in conjunction with clinical 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, 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
Academic programs in human nutrition deal with the human body’s basic life support system. 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 and epidemiological aspects of human diseases, a broad perspective on human biology (including cultural factors), and a strong clinical orientation. The nutrition science concentration prepares students for graduate study in nutrition, medicine, and dentistry, and can be tailored to meet the American Dietetic Association Didactic Program in Dietetics requirements for entrance in a dietetic internship.

Transfer Admission Requirements
Students seeking admission to the Bachelor of Science in Human Nutrition programs must meet these minimum requirements:
- Sixty semester or 90 quarter hours of acceptable academic credit
- Cumulative grade point average of 2.50/4.00
- Successful completion of all the Pre-Human Nutrition Studies courses offered by the College of Liberal Arts and Sciences or the equivalents

The applicants’ personal characteristics, motivation, academic background, and work experiences are factors evaluated in selecting candidates for admission into the Coordinated Program through recommendation and a required written interview.

Degree Requirements—Both Concentrations
To earn a Bachelor of Science in Human Nutrition degree from UIC, students need to complete University, college, and department degree requirements. The Department of Human Nutrition offers two major concentrations:
- Coordinated Program
- Nutrition Science

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

Pre-Human Nutrition Course Requirements

<table>
<thead>
<tr>
<th>Courses</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 160—Academic Writing I: Writing for Academic and Public Contexts</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 161—Academic Writing II: Writing for Inquiry and Research</td>
<td>3</td>
</tr>
<tr>
<td>COMM 100—Fundamentals of Human Communication</td>
<td>3</td>
</tr>
<tr>
<td>Understanding the Creative Arts course</td>
<td>3</td>
</tr>
<tr>
<td>Understanding the Past course</td>
<td>3</td>
</tr>
<tr>
<td>PSCH 100—Introduction to Psychology</td>
<td>4</td>
</tr>
<tr>
<td>SDC 100—Introduction to Sociology</td>
<td>3</td>
</tr>
<tr>
<td>SDC 201—Introductory Sociological Statistics</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 112—General College Chemistry</td>
<td>5</td>
</tr>
<tr>
<td>CHEM 130—Survey of Organic and Biochemistry</td>
<td>5</td>
</tr>
<tr>
<td>BIOS 100—Biology of Cells and Organisms</td>
<td>5</td>
</tr>
<tr>
<td>BIOS 350—General Microbiology</td>
<td>3</td>
</tr>
<tr>
<td>BIOS 351—Microbiology Laboratory</td>
<td>2</td>
</tr>
<tr>
<td>MATH 121—Precalculus Mathematics</td>
<td>5</td>
</tr>
<tr>
<td>HN 110—Foods</td>
<td>3</td>
</tr>
<tr>
<td>HN 196—Nutrition</td>
<td>2</td>
</tr>
<tr>
<td>Electives</td>
<td>4</td>
</tr>
</tbody>
</table>

Total Hours—Pre-Human Nutrition Course Requirements 60
Students are required to complete CHEM 130 as a prerequisite for these courses. See CHEM 130 course description for more details.

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

Degree Requirements—Coordinated Program Concentration

BS in Human Nutrition—Coordinated Program Degree Requirements

Pre-Human Nutrition Course Requirements 60
Coordination Program Required Courses 78
Total Hours—BS in Human Nutrition—Coordinated Program 138

Pre-Human Nutrition Course Requirements

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

Coordination Program Required Courses

Courses Hours
HN 200—Nutritional Assessment 3
HN 300—Science of Foods 3
HN 202—Culture and Food a 2
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 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 366—Genetics, Nutrition, and Health 2
HN 413—Principles of Delivering Public Health Nutrition Services 3
HN 420—Clinical Nutrition II 2
HN 422—Clinical Nutrition III 2
HN 423—Clinical Practice I 2
HN 421—Clinical Nutrition Practice II 4
HN 422—Clinical Nutrition Practice III 5
HN 450—Professional Practice 6

Total Hours—Coordinated Program Required Courses 78

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

Sample Course Schedule—Coordinated Program

Junior Year

Fall Semester Hours
BCMG 307—Biochemistry 3
MVSC 251—Human Physiological Anatomy I 5
HN 200—Nutritional Assessment 3
HN 308—Nutrition Science I 3
Total Hours 14

Spring Semester Hours
MVSC 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
Total Hours 14

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
HN 366—Genetics, Nutrition, and Health 2
Total Hours 16

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 Semester:

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

Fall Semester:

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

Degree Requirements—Nutrition Science Concentration

BS in Human Nutrition—Nutrition Science Degree Requirements

Pre-Human Nutrition Course Requirements 60
Nutrition Science Required Courses 60
Total Hours—BS in Human Nutrition—Nutrition Science 120

Pre-Human Nutrition Course Requirements

See previous section Pre-Human 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 320—Clinical Nutrition I 4
HN 340—Seminar 1
HN 341—The Research Process 2
HN 366—Genetics, Nutrition, and Health 2
HN 413—Principles of Delivering Public Health Nutrition Services 3
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 who have earned 36 semester hours (54 quarter hours) or more at another college or university are classified as transfer students 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. International students must have a Test of English as a Foreign Language (TOEFL) score of 550 (paper-based); 213 (computer-based); or 80, with sub-scores of Reading 19, Listening 17, Speaking 20, and Writing 21 (new Internet-based TOEFL).

Degree Requirements—Both Concentrations

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

Movement Sciences Common Core

<table>
<thead>
<tr>
<th>Courses</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MVSC 100—Introduction to the Study of Movement Sciences</td>
<td>2</td>
</tr>
<tr>
<td>MVSC 260—Biomechanics: Introduction to the Human Machine</td>
<td>3</td>
</tr>
<tr>
<td>HN 196—Nutrition</td>
<td>2</td>
</tr>
<tr>
<td>MVSC 251—Human Physiological Anatomy I</td>
<td>5</td>
</tr>
<tr>
<td>MVSC 252—Human Physiological Anatomy II</td>
<td>5</td>
</tr>
<tr>
<td>MVSC 335—Exercise Psychology</td>
<td>3</td>
</tr>
<tr>
<td>MVSC 352—Physiology of Exercise</td>
<td>4</td>
</tr>
<tr>
<td>MVSC 372—Motor Control and Learning</td>
<td>3</td>
</tr>
<tr>
<td>Total Hours—Movement Sciences Common Core</td>
<td>27</td>
</tr>
</tbody>
</table>

Degree Requirements—Concentration in Movement Science

<table>
<thead>
<tr>
<th>BS in Movement Sciences, Concentration in Movement Science Degree Requirements</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>University Writing Requirement</td>
<td>6</td>
</tr>
<tr>
<td>General Education Core Requirements</td>
<td>21</td>
</tr>
<tr>
<td>Movement Sciences Common Core</td>
<td>27</td>
</tr>
<tr>
<td>Concentration Required Courses</td>
<td>44</td>
</tr>
<tr>
<td>Electives</td>
<td>22</td>
</tr>
<tr>
<td>Total Hours—BS in Movement Sciences, Concentration in Movement Science</td>
<td>120</td>
</tr>
</tbody>
</table>
### University Writing Requirement

<table>
<thead>
<tr>
<th>Courses</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 160—Academic Writing I: Writing for</td>
<td>3</td>
</tr>
<tr>
<td>Academic and Public Contexts</td>
<td></td>
</tr>
<tr>
<td>ENGL 161—Academic Writing II: Writing for</td>
<td>3</td>
</tr>
<tr>
<td>Inquiry and Research</td>
<td></td>
</tr>
<tr>
<td><strong>Total Hours—University Writing Requirement</strong></td>
<td><strong>6</strong></td>
</tr>
</tbody>
</table>

### General Education Core Requirements

<table>
<thead>
<tr>
<th>Courses</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOS 100—Biology of Cells and Organisms^a</td>
<td>5</td>
</tr>
<tr>
<td>PSCH 100—Introduction to Psychology^b</td>
<td>4</td>
</tr>
<tr>
<td>Exploring World Cultures course^c</td>
<td>3</td>
</tr>
<tr>
<td>Understanding the Creative Arts course^c</td>
<td>3</td>
</tr>
<tr>
<td>Understanding the Past course^c</td>
<td>3</td>
</tr>
<tr>
<td>Understanding U.S. Society course^c</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Hours—General Education Core Requirements</strong></td>
<td><strong>21</strong></td>
</tr>
</tbody>
</table>

^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.

### Movement Sciences Common Core

See previous section Degree Requirements—Both Concentrations.

### Concentration in Movement Science—Required Courses

<table>
<thead>
<tr>
<th>Courses</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOS 101—Biology of Populations and Communities^a</td>
<td>5</td>
</tr>
<tr>
<td>BIOS 220—Mendelian Genetics</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 112—General College Chemistry I^b</td>
<td>5</td>
</tr>
<tr>
<td>CHEM 114—General College Chemistry II^b</td>
<td>5</td>
</tr>
<tr>
<td>CHEM 232—Organic Chemistry I</td>
<td>4</td>
</tr>
<tr>
<td>MATH 180—Calculus I^a</td>
<td>5</td>
</tr>
<tr>
<td>PSCH 242—Introduction to Research in Psychology</td>
<td>3</td>
</tr>
<tr>
<td><strong>Choose one of the following two-course sequences:</strong></td>
<td></td>
</tr>
<tr>
<td>PHYS 105—Introductory Physics I—Lecture (4)^a</td>
<td></td>
</tr>
<tr>
<td>PHYS 106—Introductory Physics I—Laboratory (1)^a</td>
<td></td>
</tr>
<tr>
<td>OR</td>
<td></td>
</tr>
<tr>
<td>PHYS 141—General Physics I (4)^a</td>
<td></td>
</tr>
<tr>
<td>PHYS 144—Problem-Solving Workshop for General Physics I (1)</td>
<td></td>
</tr>
<tr>
<td>MVSC 365—Biomechanics of Musculoskeletal Tissues</td>
<td>3</td>
</tr>
<tr>
<td>MVSC 452—Advanced Exercise Physiology</td>
<td>3</td>
</tr>
<tr>
<td>MVSC 472—Movement Neuroscience</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Hours—Concentration in Movement Science Required Courses</strong></td>
<td><strong>44</strong></td>
</tr>
</tbody>
</table>

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

### Concentration in Movement Science—Electives

<table>
<thead>
<tr>
<th>Courses</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electives^a—Nine hours of which must be</td>
<td>22</td>
</tr>
<tr>
<td>upper-level movement sciences courses</td>
<td></td>
</tr>
<tr>
<td>(300- or 400-level courses)</td>
<td></td>
</tr>
<tr>
<td><strong>Total Hours—Concentration in Movement Science—Electives</strong></td>
<td><strong>22</strong></td>
</tr>
</tbody>
</table>

^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:

- MVSC 398—Senior Research Seminar (3 hours)
- MVSC 399—Senior Research Project (3 hours)

### Sample Course Schedule—Concentration in Movement Science

#### Freshman Year

##### Fall Semester

<table>
<thead>
<tr>
<th>Courses</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOS 100—Biology of Cells and Organisms</td>
<td>5</td>
</tr>
<tr>
<td>ENGL 160—Academic Writing I: Writing for</td>
<td>3</td>
</tr>
<tr>
<td>Academic and Public Contexts</td>
<td></td>
</tr>
<tr>
<td>MVSC 100—Introduction to the Study of Movement Sciences</td>
<td>2</td>
</tr>
<tr>
<td>PSCH 100—Introduction to Psychology</td>
<td>4</td>
</tr>
<tr>
<td><strong>Total Hours</strong></td>
<td><strong>14</strong></td>
</tr>
</tbody>
</table>

##### Spring Semester

<table>
<thead>
<tr>
<th>Courses</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOS 101—Biology of Populations and Communities</td>
<td>5</td>
</tr>
<tr>
<td>ENGL 161—Academic Writing II: Writing for</td>
<td>3</td>
</tr>
<tr>
<td>Inquiry and Research</td>
<td></td>
</tr>
<tr>
<td>MATH 121 (Prerequisite for MATH 180, if necessary)</td>
<td>3</td>
</tr>
<tr>
<td>MVSC 260—Biomechanics: Introduction to the Human Machine</td>
<td>3</td>
</tr>
<tr>
<td>HN 196—Nutrition</td>
<td>2</td>
</tr>
<tr>
<td><strong>Total Hours</strong></td>
<td><strong>16</strong></td>
</tr>
</tbody>
</table>

#### Sophomore Year

##### Fall Semester

<table>
<thead>
<tr>
<th>Courses</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 112—General College Chemistry I</td>
<td>5</td>
</tr>
<tr>
<td>MVSC 251—Human Physiological Anatomy I</td>
<td>5</td>
</tr>
<tr>
<td>MATH 180—Calculus I</td>
<td>5</td>
</tr>
<tr>
<td><strong>Total Hours</strong></td>
<td><strong>15</strong></td>
</tr>
</tbody>
</table>

##### Spring Semester

<table>
<thead>
<tr>
<th>Courses</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 114—General College Chemistry II</td>
<td>5</td>
</tr>
<tr>
<td>MVSC 252—Human Physiological Anatomy II</td>
<td>5</td>
</tr>
<tr>
<td>PSCH 242—Introduction to Research in Psychology</td>
<td>3</td>
</tr>
<tr>
<td>General Education Core course</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Hours</strong></td>
<td><strong>16</strong></td>
</tr>
</tbody>
</table>

#### Junior Year

##### Fall Semester

<table>
<thead>
<tr>
<th>Courses</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MVSC 335—Exercise Psychology</td>
<td>3</td>
</tr>
<tr>
<td>MVSC 352—Physiology of Exercise</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 105—Introductory Physics I OR</td>
<td></td>
</tr>
<tr>
<td>PHYS 141—General Physics I</td>
<td>5</td>
</tr>
<tr>
<td>PHYS 106 Intro Physics Lab I OR</td>
<td></td>
</tr>
<tr>
<td>PHYS 144—General Physics Lab I</td>
<td>1</td>
</tr>
<tr>
<td>General Education Core course</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Hours</strong></td>
<td><strong>16</strong></td>
</tr>
</tbody>
</table>

##### Spring Semester

<table>
<thead>
<tr>
<th>Courses</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 232—Organic Chemistry I</td>
<td>4</td>
</tr>
<tr>
<td>MVSC 372—Motor Control and Learning</td>
<td>3</td>
</tr>
<tr>
<td>General elective</td>
<td>3</td>
</tr>
<tr>
<td>General Education Core course</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Hours</strong></td>
<td><strong>13</strong></td>
</tr>
</tbody>
</table>

#### Senior Year

##### Fall Semester

<table>
<thead>
<tr>
<th>Courses</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOS 220—Mendelian Genetics</td>
<td>3</td>
</tr>
<tr>
<td>MVSC 365—Biomechanics of Musculoskeletal Tissues</td>
<td>3</td>
</tr>
<tr>
<td>MVSC elective 300- or 400-level course</td>
<td>3</td>
</tr>
</tbody>
</table>
MVSC elective 300- or 400-level course 3
General elective 3
Total Hours 15

Spring Semester  Hours
MVSC 452—Advanced Exercise Physiology 3
MVSC 472—Movement Neuroscience 3
MVSC 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 Movement Sciences, Concentration in Exercise and Fitness Degree Requirements  Hours
University Writing Requirement 6
General Education Core Requirements 24–26
Movement Sciences Common Core 27
Concentration Required Courses 50
Electives 11–13
Total Hours—BS in Movement Sciences, Concentration in Exercise and Fitness 120

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

General Education Core Requirements

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

 superscript a This course is approved for the Analyzing the Natural World General Education category.
 superscript b This course is approved for the Understanding the Individual and Society General Education category.
 superscript c Students should consult the General Education section of the catalog for a list of approved courses in this category.
 superscript d A laboratory course is recommended.

Movement Sciences Common Core

See previous section Degree Requirements—Both Concentrations.

Concentration in Exercise and Fitness—Required Courses

Courses  Hours
MATH 121—Precalculus Mathematics 5
MVSC 130—Stress Management 3
MVSC 200—Research Literacy in Movement Sciences 3
MVSC 240—Instructional Techniques in Fitness 3
MVSC 243—Basic Fitness Assessment 3
MVSC 331—Sport and Exercise Injury Management 3
MVSC 343—Advanced Fitness Assessment 3
MVSC 345—Exercise Programming 3
MVSC 348—Modifications in Exercise Programming 3
MVSC 400—Business Principles for the Fitness Professional 3
MVSC 410—Human Aging and Physical Performance 3
MVSC 441—Principles of Resistance Training 3
MVSC 442—Principles of ECG Interpretation 3
MVSC 460—Neuromechanical Basis of Human Movement 3

Choose one of the following:
MVSC 393—Undergraduate Internship in Movement Sciences
OR
Upper-level movement sciences electives 6

Total Hours—Concentration in Exercise and Fitness Required Courses 50

Concentration in Exercise and Fitness—Electives

Courses  Hours
Electives superscript a 11–13
Total Hours—Concentration in Exercise and Fitness Electives 11–13

 superscript 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:
• MVSC 398—Senior Research Seminar (3 hours)
• MVSC 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
ENGL 161—Academic Writing II: Writing for Inquiry and Research 3
Total Hours 16

Spring Semester  Hours
ENGL 161—Academic Writing II: Writing for Inquiry and Research 3
HN 196—Nutrition 2
MVSC 260—Biomechanics: Introduction to the Human Machine 3
Total Hours 16

Sophomore Year

Fall Semester  Hours
ENGL 161—Academic Writing II: Writing for Inquiry and Research 3
BIOS 100—Biology of Cells and Organisms 5
MVSC 100—Introduction to the Study of Movement Sciences 2
MVSC 130—Stress Management 3
General Education Core course 3
Total Hours 16

Spring Semester  Hours
PSCH 100—Introduction to Psychology 4
MVSC 200—Research Literacy in Movement Sciences 3
MVSC 243—Basic Fitness Assessment 3
MVSC 251—Human Physiological Anatomy I 5
Total Hours 15

College of Applied Health Sciences
MOveMenT SCIenCeS
Junior Year

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

Spring Semester  Hours
MVSC 345—Exercise Programming  3
MVSC 441—Principles of Resistance Training  3
General electives  5
General Education Core course  3
Total Hours  15

Senior Year

Fall Semester  Hours
MVSC 343—Advanced Fitness Assessment  3
MVSC 346—Modifications in Exercise Programming  3
MVSC 400—Business Principles for the Fitness Professional  3
MVSC 442—Principles of ECG Interpretation  3
General Education Core course  3
Total Hours  15

Spring Semester  Hours
MVSC 410—Human Aging and Physical Performance  3
MVSC 393—Undergraduate Internship in Movement Sciences  3
MVSC electives 300- or 400-level courses  6
General elective  3
Total Hours  12

Minor in Movement Sciences

The Minor in Movement Sciences is open to majors from other units and colleges. Students will be allowed to complete the minor area of study within Movement Sciences 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 in room 337 PEB and obtain approval. Students must also consult their home colleges about the acceptability and applicability of Movement Sciences course credit toward their degree. Registration for all MVSC courses is restricted to students in the College of Applied Health Sciences; therefore, students outside the college seeking a minor will need to register for the necessary courses through the academic adviser in the Department of Movement Sciences. A minimum GPA of 2.00/4.00 is required for the minor field. Students must take the following courses to complete the minor.

Prerequisites for the Minor  Hours
BIOS 100—Biology of Cells and Organisms  5
MATH 121—Precalculus Mathematics  5
Total Hours—Prerequisites for the Minor  10

Required Courses for Minor in Movement Sciences  Hours
MVSC 260—Biomechanics: Introduction to the Human Machinea  3
MVSC 251—Human Physiological Anatomy I  5
MVSC 252—Human Physiological Anatomy II  5

Choose from courses in List A or List B.  6–10

List A: Choose two of the following courses with departmental advising:
MVSC 335—Exercise Psychology (3)
MVSC 352—Physiology of Exercise (4)
MVSC 365—Biomechanics of Musculoskeletal Tissue (3)
MVSC 372—Motor Control and Learning (3)
MVSC 410—Human Aging and Physical Performance (3)
MVSC 452—Advanced Exercise Physiology (3)
MVSC 472—Movement Neuroscience (3)

List B: Choose two or three of the following courses with departmental advising:
MVSC 243—Basic Fitness Assessment (3)
MVSC 345—Exercise Programming (3)
MVSC 352—Physiology of Exercise (4)
MVSC 441—Principles of Resistance Training (3)
MVSC 442—Principles of ECG Interpretation (3)
MVSC 460—Neuromechanical Basis of Human Movement

Total Hours—Minor in Movement Sciences  19–23

* Students who have taken the first-semester course in college physics may substitute it for MVSC 260.

Enrollment Residence Requirement for the Minor

Students must complete at least one-half of the course work required for the minor in enrollment residence at UIC.

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 Movement Sciences offers the following opportunities:

Independent Study

MVSC 396—Independent Study in Movement Sciences is designed to be a flexible course allowing juniors and seniors to gain experience in Movement Sciences-related research. Taken for 1–3 hours, MVSC 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 MVSC 398—Senior Research Seminar and MVSC 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 presentation 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 Movement Sciences 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 Movement Sciences 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.