

INTERDISCIPLINARY HEALTH SCIENCES: HEALTH TECHNOLOGY, BS

for the degree of Bachelor of Science in Interdisciplinary Health Science, Health Technology Concentration

The degree in I-Health combines knowledge of biology and health sciences with a comprehensive understanding of health and well-being for the whole person. Students choose one of four concentrations to complement the core curriculum: 1) Health Across the Lifespan, 2) Health Behavior Change and Rehabilitation, 3) Health Diversity and Disability, and 4) Health Technology. This program will prepare students for entry to graduate or professional degree programs in physical therapy, occupational therapy, medicine, nursing, physician assistant, or other health-oriented careers.

The Health Technology concentration will help students acquire the skills and knowledge needed to develop, implement, and support information technology solutions for health sector organizations. Coursework will focus on the areas of health technology development, implementation, and evaluation in community health settings.

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Health Technology Concentration Graduation Requirements

Minimum hours required for graduation: 120 hours.

University Requirements

Minimum of 40 hours of upper-division coursework, generally at the 300- or 400-level. These hours can be drawn from all elements of the degree. Students should consult their academic advisor for additional guidance in fulfilling this requirement.

The university and residency requirements can be found in the Student Code (§ 3-801) and in the Academic Catalog.

General Education Requirements

Follows the campus General Education (Gen Ed) requirements. Some Gen Ed requirements may be met by courses required and/or electives in the program.

Code	Title	Hours
	Composition I	4-6
	Advanced Composition	3
	Humanities & the Arts (6 hours)	6
	fulfilled by HK 208 and any other course approved as Humanities & the Arts	
	Natural Sciences & Technology (6 hours)	6
	Social & Behavioral Sciences (6 hours)	6

fulfilled by HK 110, HK 203, HK 270	
Cultural Studies: Non-Western Cultures (1 course)	3
Cultural Studies: US Minority Cultures (1 course)	3
fulfilled by HK 271	
Cultural Studies: Western/Comparative Cultures (1 course)	3
Quantitative Reasoning (2 courses, at least one course must be Quantitative Reasoning I)	6-10
fulfilled by HK 201 and HK 209	
Language Requirement (Completion of the third semester or equivalent of a language other than English is required)	0-15

Major Requirements

Code	Title	Hours
HK 110	Contemporary Health	3
HK 125	Orientation to Health & Kinesiology	1
HK 154	Physical Activity, Nutrition, and Health	3
HK 171	Survey of Interdisc Health	1
HK 201	Health Sciences Research Methods	3
HK 208	Introduction to Medical Ethics	3
HK 209	Introduction to Biostatistics and Health Data Analysis	3
HK 270	Leadership in Health	3
HK 271	Health Equity in the United States	3
HK 370	Interdisciplinary Health Delivery and Early Field Work	4
HK 418	Organization of Health Care	3
HK 470	Orientation to Internship	1
HK 471	Health Internship	4

Concentration Requirements

Code	Title	Hours
HK 203	Introduction to Health Technology	3
HK 400	Human-Robot Interaction for Health and Wellness	3
HK 401	Health Behavior and Technology	3
HK 403	Technology, Health, and Aging	3
Concentration Electives (Choose 3 courses from the following):		9
HK 402	Tech-Driven Health Intervention	3
HK 405	Aging with Disability	3
HK 416	Applied Health Data Analysis	3
HK 458	Rehabilitation Biomechanics	3
HK 464	Technology & Assessment in Physical Education and Sport	3
HK 472	Health and Kinesiology Study Abroad	3
ARTD 420	Disability Design	3
DTX 451	Introduction to Design Thinking	3
DTX 495	Special Topics in Design Thinking	3
IE 340	Human Factors	4
IS 407	Introduction to Data Science	4
RST 216	Technology in Recreation, Sport and Tourism	3

Code	Title	Hours
Total Hours		120

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Sample Sequence

This sample sequence is intended to be used only as a guide for degree completion. All students should work individually with their academic advisors to decide the actual course selection and sequence that works best for them based on their academic preparation and goals. Enrichment programming such as study abroad, minors, internships, and so on may impact the structure of this four-year plan. Course availability is not guaranteed during the semester indicated in the sample sequence.

Students must fulfill their Language Other Than English requirement by successfully completing a third level of a language other than English. For more information see the corresponding section on the Degree and General Education Requirements page (<http://catalog.illinois.edu/general-information/degree-general-education-requirements/>).

First Year

First Semester	Hours
Composition I or General Education course	4
HK 125	1
HK 154	3
HK 171	1
HK 270	3
Free Elective course	3
15	

Total Hours 15

First Year

Second Semester	Hours
General Education or Composition I	3
HK 110	3
HK 201	3
Language Other Than English (3rd level)	4
Free Elective course	3
16	

Total Hours 16

Second Year

First Semester	Hours
HK 209	3
HK 271	3
General Education course	3
General Education course	3
Free Elective course	3
15	

Total Hours 15

Second Year

Second Semester	Hours
HK 203	3
HK 208	3
General Education course	3
Free Elective course	3
Free Elective course	4
16	

Total Hours 16

Third Year

First Semester	Hours
HK 400	3
General Education course	3
General Education course	3
Free Elective course	3
Free Elective course	3
15	

Total Hours 15

Third Year

Second Semester	Hours
HK 370	4
HK 401	3
Free Elective course	3
Free Elective course	3
Free Elective course	3
16	

Total Hours 16

Fourth Year

First Semester	Hours
HK 418	3
HK 470	1
Concentration Elective course	4
Concentration Elective course	3
Free Elective course	3
14	

Total Hours 14

Fourth Year

Second Semester	Hours
HK 403	3
HK 471	4
Concentration Elective course	3
Free Elective course	3
13	

Total Hours 13

Total Hours: 120

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1. **Content Knowledge:** Students will learn and engage with significant theories, models, themes, and ideas within the health and/or kinesiology disciplines.
2. **Critical Thinking and Discovery:** Students will explore and analyze scientific findings to promote inquiry, generate evidence-based solutions, and create new ideas within health and/or kinesiology disciplines.
3. **Awareness and Understanding:** Students will be exposed to and engage with a holistic perspective related to the diverse socioeconomic, behavioral, sociocultural, biological, environmental, philosophical, ethical and historical factors that influence health and/or kinesiology.
4. **Programming and Assessment:** Students will apply evidence-based practices in developing, implementing, and assessing programs and interventions related to health promotion, physical activity adoption and adherence, and the prevention and management of diseases.
5. **Leadership and Engagement:** Through a variety of applied learning opportunities, students will demonstrate leadership and effective communication skills, showcase an appreciation of and commitment to health and well-being as they develop and sustain productive relationships and work for the common good at local, national, and global levels.

- Interdisciplinary Health Sciences: Health Diversity and Disability, BS (<http://catalog.illinois.edu/undergraduate/ahs/interdisciplinary-health-sciences-bs/health-diversity-disability/>)
- Interdisciplinary Health Sciences: Health Technology, BS (p. 1)

- **Minors**

- Disability Studies (<http://catalog.illinois.edu/undergraduate/ahs/minors/disability-studies/>)
- Health Administration (<http://catalog.illinois.edu/undergraduate/ahs/minors/health-administration/>)
- Health Technology, Interdisciplinary (<http://catalog.illinois.edu/undergraduate/ahs/minors/interdisciplinary-health-technology/>)
- Interdisciplinary Aging (<http://catalog.illinois.edu/undergraduate/ahs/minors/aging/>)
- Kinesiology (<http://catalog.illinois.edu/undergraduate/ahs/minors/kinesiology/>)
- Public Health (<http://catalog.illinois.edu/undergraduate/ahs/minors/public-health/>)

- **Joint Programs**

- Community Health, BS and Public Health, MPH (<http://catalog.illinois.edu/undergraduate/ahs/community-health-bs-public-health-mp/>)
- Community Health, BS and Epidemiology, MPH (<http://catalog.illinois.edu/undergraduate/ahs/community-health-bs-epidemiology-mp/>)
- Kinesiology, BS and Public Health, MPH (<http://catalog.illinois.edu/undergraduate/ahs/kinesiology-bs-public-health-mp/>)
- Kinesiology, BS and Epidemiology, MPH (<http://catalog.illinois.edu/undergraduate/ahs/kinesiology-bs-epidemiology-mp/>)
- Interdisciplinary Health Sciences, BS and Public Health, MPH (<http://catalog.illinois.edu/undergraduate/ahs/interdisciplinary-health-sciences-bs-public-health-mp/>)
- Interdisciplinary Health Sciences, BS and Epidemiology, MPH (<http://catalog.illinois.edu/undergraduate/ahs/interdisciplinary-health-sciences-bs-epidemiology-mp/>)

Programs in Health and Kinesiology

Undergraduate Programs

- **Majors**

- Community Health, BS (<http://catalog.illinois.edu/undergraduate/ahs/community-health-bs/>)
 - optional concentrations
 - Community Health: Health Education, BS (<http://catalog.illinois.edu/undergraduate/ahs/community-health-bs/health-education-promotion/>)
 - Community Health: Health Planning & Administration, BS (<http://catalog.illinois.edu/undergraduate/ahs/community-health-bs/health-planning-administration/>)
 - Community Health: Rehabilitation & Disability Studies, BS (<http://catalog.illinois.edu/undergraduate/ahs/community-health-bs/rehabilitation-studies/>)
- Kinesiology, BS (<http://catalog.illinois.edu/undergraduate/ahs/kinesiology-bs/>)
 - optional concentrations
 - Kinesiology: Teacher Certification, BS (<http://catalog.illinois.edu/undergraduate/ahs/kinesiology-bs/teacher-certification/>)
- Interdisciplinary Health Sciences, BS (<http://catalog.illinois.edu/undergraduate/ahs/interdisciplinary-health-sciences-bs/>)
 - optional concentrations
 - Interdisciplinary Health Sciences: Health Across the Lifespan, BS (<http://catalog.illinois.edu/undergraduate/ahs/interdisciplinary-health-sciences-bs/health-across-lifespan/>)
 - Interdisciplinary Health Sciences: Health Behavior Change and Rehabilitation, BS (<http://catalog.illinois.edu/undergraduate/ahs/interdisciplinary-health-sciences-bs/health-behavior-change-rehabilitation/>)

Graduate Programs

- **Majors**

- Community Health, MS (<http://catalog.illinois.edu/graduate/ahs/community-health-ms/>)
- Community Health, PhD (<http://catalog.illinois.edu/graduate/ahs/community-health-phd/>)
- Epidemiology, MPH (<http://catalog.illinois.edu/graduate/ahs/epidemiology-mp/>)
- Health Administration, MHA (<http://catalog.illinois.edu/graduate/ahs/health-administration-mha/>)
- Health Technology, MS (<http://catalog.illinois.edu/graduate/ahs/health-technology-ms/>)
- Kinesiology, MS (<http://catalog.illinois.edu/graduate/ahs/kinesiology-ms/>)
- Kinesiology, PhD (<http://catalog.illinois.edu/graduate/ahs/kinesiology-phd/>)

- Public Health, MPH (<http://catalog.illinois.edu/graduate/ahs/public-health-mp/>)
- Joint Programs
 - Public Health, MPH & Community Health, PhD (<http://catalog.illinois.edu/graduate/ahs/joint-degree/public-health-mp-community-health-phd/>)
 - Public Health, MPH & Food Science & Human Nutrition, PhD (http://catalog.illinois.edu/graduate/aces_ahs/joint-degree/food-science-human-nutrition-phd-public-health-mp/)
 - Public Health, MPH & Kinesiology, PhD (<http://catalog.illinois.edu/graduate/ahs/joint-degree/public-health-mp-kinesiology-phd/>)
 - Public Health, MPH & Nutritional Science, PhD (http://catalog.illinois.edu/graduate/aces_ahs/nutritional-science-phd-public-health-mp/)
 - Public Health, MPH & Social Work, PhD (http://catalog.illinois.edu/graduate/ahs_socw/joint-degree/public-health-mp-social-work-phd/)
 - Public Health, MPH & Urban Planning, MUP (http://catalog.illinois.edu/graduate/ahs_faa/joint-degree/public-health-mp-urban-planning-mup/)

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I-Health Department website (<http://ihealth.illinois.edu/>)

I-Health Faculty and staff (<https://ahs.illinois.edu/ihealth-directory/>)

Applied Health Sciences catalog (<http://catalog.illinois.edu/schools/ahs/>)

Applied Health Sciences website (<http://www.ahs.illinois.edu/>)