

# INTERDISCIPLINARY MINOR IN HEALTH TECHNOLOGY

for the Undergraduate Minor in Health Technology

The Health Technology Interdisciplinary Minor focuses on the intersection of human factors, technology, and health. In this minor students will be introduced to the breadth of the field of health technology while being exposed to introductory computer programming skills and human factors. Through electives, students will further explore technical and health specific applications of health technology.

for the Undergraduate Minor in Health Technology

Code	Title	Hours
<b>Required Courses:</b>		<b>10</b>
HK 203	Introduction to Health Technology	
HK 401	Health Behavior and Technology	
IE 340	Human Factors	
Choose a computing course:		3
CS 101	Intro Computing: Engrg & Sci	
CS 124	Introduction to Computer Science I	
ECE 120	Introduction to Computing	
<b>Electives</b>		
Choose One (1) from Health & Human Behavior electives:		3
HK 111	Introduction to Public Health	
HK 154	Physical Activity, Nutrition, and Health	
HK 206	Health Care Systems	
HK 208	Introduction to Medical Ethics	
HK 271	Health Equity in the United States	
HK 272	Aging and Health Policy	
HK 300	Health Behavior Theories and Applications	
HK 340	Social & Psychological Aspects of Physical Activity	
HK 391	Independent Study	
HK 402	Tech-Driven Health Intervention	
HK 403	Technology, Health, and Aging	
HK 458	Rehabilitation Biomechanics	
HK 494	Special Topics	
IE 445	Human Performance and Cognition in Context	
IS 406	Cognition in the Wild	
SHS 352	Hearing Health and Society	
SHS 473	Augmentative & Alt Comm	
RST 216	Technology in Recreation, Sport and Tourism	
RST 260	Disability in Recreation, Sport and Tourism	
RST 316	Human Development and Recreation, Sport and Tourism	
Choose One(1) from Engineering/Computing/Information Science electives:		3
ARTD 317	UI/UX Design for Non-Majors	

BDI 367	Data Visualization and Communication
BDI 475	Introduction to Data Analytics Applications in Business
CS 440	Artificial Intelligence
CS 446	Machine Learning
CS 465	User Interface Design
CS 466	Introduction to Bioinformatics
CS 467	Social Visualization
ECE 365	Data Science and Engineering
ECE 380	Biomedical Imaging
ECE 416	Biosensors
ECE 434	Real World Algorithms for IoT and Data Science
ECE 437	Sensors and Instrumentation
IE 300	Analysis of Data
IE 397	Independent Study (approved by Health Technology advisor)
or IE 497	Independent Study
IE 398	Special Topics (approved by Health Technology advisor)
or IE 498	Special Topics
IE 405	Computing for ISE
IE 413	Simulation
IE 431	Design for Six Sigma
INFO 333	User Experience Design In Action
INFO 407	Introduction to Programming Python for Data Science
IS 226	Introduction to HCI
IS 316	The Design of Usable Information Interfaces
IS 407	Introduction to Data Science
IS 445	Data Visualization
IS 457	Data Storytelling
IS 459	Mobile Applications
<b>Total Hours</b>	<b>19</b>

## Programs in Health & 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 & Aging, BS (<http://catalog.illinois.edu/undergraduate/ahs/interdisciplinary-health-sciences-bs/health-aging/>)
    - Interdisciplinary Health Sciences: Health Behavior Change, BS (<http://catalog.illinois.edu/undergraduate/ahs/interdisciplinary-health-sciences-bs/health-behavior-change/>)
    - Interdisciplinary Health Sciences: Health Diversity, BS (<http://catalog.illinois.edu/undergraduate/ahs/interdisciplinary-health-sciences-bs/health-diversity/>)
    - Interdisciplinary Health Sciences: Health Technology, BS (<http://catalog.illinois.edu/undergraduate/ahs/interdisciplinary-health-sciences-bs/health-technology/>)
- 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 (p. 1)
  - 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/>)
  - 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/>)
  - Rehabilitation, MS (<http://catalog.illinois.edu/graduate/ahs/rehabilitation-ms/>)
  - 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/](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/](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/](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/](http://catalog.illinois.edu/graduate/ahs_faa/joint-degree/public-health-mp-urban-planning-mup/))

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### Health Technology Education Program

Health Technology Education Program website (<https://healthtech.ahs.illinois.edu/>)

### Health & Kinesiology

Health & Kinesiology Website (<https://ahs.illinois.edu/kch-home/>)

Health & Kinesiology Faculty (<https://ahs.illinois.edu/kch-directory-update/>)

### College of Applied Health Sciences

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

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

To declare the minor or ask questions about the requirements, please contact:

Dr. Katelyn Talbott ([ktalbott@illinois.edu](mailto:ktalbott@illinois.edu)), Dr. Andriara Schwingel ([andriara@illinois.edu](mailto:andriara@illinois.edu)), or Staci Baxley ([slsears@illinois.edu](mailto:slsears@illinois.edu)); (217) 333-2307.

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### Graduate Programs

- Majors
  - Community Health, MS (<http://catalog.illinois.edu/graduate/ahs/community-health-ms/>)