

# HEALTH TECHNOLOGY, MS

for the Master of Science in Health Technology

The MS in Health Technology is designed to educate the next generation of Health Technology Professionals in the development, testing, and use of technologies that promote health, rehabilitation, mitigate disability, and improve independence and quality of life. This includes bringing end-users (e.g., individuals with chronic conditions, older adults, persons with disabilities), industry professionals, and applied health professionals together with Illinois students and faculty in a multidisciplinary and inter-generational environment to identify existing problems and develop technologies to solve them.

## Graduate Degree Programs in Health Technology

- Health Technology, MS (p. 1)

## Admissions

Students should have an undergraduate degree in a health or science related field or engineering. Applicants should have a minimum grade point average of 3.00 (A = 4.00) or equivalent for the last two years of undergraduate study and show evidence of strong quantitative skills and of serious interest in health technology through their personal statement. Students with less than a 3.0 GPA may be considered for a limited status admission.

International and some domestic students may be required to show proof of English Proficiency (<https://grad.illinois.edu/admissions/instructions/04c/>).

Program prerequisites\* or equivalents include:

- Introduction to Computer Science (CS 125 or 105)
- Introduction to Health Data Analysis (HK 209 - formerly CHLH 244)
- Introduction to Psychology (PSYC 100)
- Intro to Public Health (HK 111 - formerly CHLH 101)
- Linear Algebra (MATH 125, or 225, 410, 415)
- Research Methods (HK 201 - formerly CHLH 201)

\*Promising students might be admitted with a contingency that they complete the prerequisites before the start of the first semester.

## Financial Aid

Students in the MS in Health Technology program are not eligible for tuition-waiver generating assistantships. Students may apply for scholarships available through the University.

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Code	Title	Hours
<b>Total Core Required Hours:</b>		<b>24</b>
HT 501	Understanding Users of Health Technology	4

HT 502	Human Factors Methods for Health Technology	4
HT 503	Hardware Engineering for Health Technology	4
HT 504	Software Engineering for Health Technology	4
HT 510	Health Technology Capstone Orientation	1
HT 511	Health Technology Capstone Development	3
HT 512	Health Technology Capstone Implementation	4
<b>Elective Requirement (chosen with advisor approval)</b>		<b>12</b>
<b>Total Required Hours</b>		<b>36</b>

## Other Requirements

Requirement	Description
Other requirements may overlap	
Minimum Hours Required within the 8 Unit at the 500 level:	
Minimum 500-level Hours Required	12
Overall:	
Minimum GPA:	3.0

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1. Comprehension of varying user needs (age, culture, goals, experience, (dis)abilities).
2. Knowledge of human factors tools and techniques.
3. Familiarity with research methods, theory, and data analytics.
4. Understanding of hardware components (sensors, wearables, devices).
5. Facility with software (rapid prototyping, simulation tools).
6. Awareness of regulations, policies, standards (e.g. HIPAA, FDA).
7. Appreciation of ethical issues in design and implementation.
8. Communication skills (written and oral).

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## Health Technology

Director of Program: Shannon Mejia  
 Health Technology Program website (<https://healthtech.ahs.illinois.edu/ms-in-health-technology/>)  
[healthtech@illinois.edu](mailto:healthtech@illinois.edu)

## Department of Health and Kinesiology

Department Head: Kim Graber  
 Director of Graduate Studies: Laura Rice

## College of Applied Health Sciences

Applied Health Sciences College Catalog page (<http://catalog.illinois.edu/schools/ahs/academic-units/>)  
 Applied Health Sciences College website (<http://www.ahs.illinois.edu/>)

## Admissions

AHS Admissions & Requirements (<https://ahs.illinois.edu/application-requirements/>)