

HEALTH INFORMATICS - M.S.

College of Communication and Information
 School of Information
www.kent.edu/iSchool

About This Program

Looking to make a difference in healthcare? The M.S. degree in Health Informatics prepares graduates for careers at the intersection of healthcare and technology. With a focus on data analytics and information management, our program prepares graduates to use data and information to improve patient outcomes and drive innovation in healthcare. Read more...

Contact Information

- **Meghan Harper** | iSchool@kent.edu | 330-672-2782
- Connect with an Admissions Counselor: U.S. Student | International Student

Program Delivery

- **Delivery:**
 - Fully online

Examples of Possible Careers and Salaries*

Computer and information research scientists

- 15.4% much faster than the average
- 32,700 number of jobs
- \$126,830 potential earnings

Computer and information systems managers

- 10.4% much faster than the average
- 461,000 number of jobs
- \$151,150 potential earnings

Database administrators and architects

- 9.7% much faster than the average
- 132,500 number of jobs
- \$98,860 potential earnings

Accreditation

Commission on Accreditation for Health Informatics and Information Management Education (CAHIIM)

* Source of occupation titles and labor data comes from the U.S. Bureau of Labor Statistics' Occupational Outlook Handbook. Data comprises projected percent change in employment over the next 10 years; nation-wide employment numbers; and the yearly median wage at which half of the workers in the occupation earned more than that amount and half earned less.

For more information about graduate admissions, visit the graduate admission website. For more information on international admissions, visit the international admission website.

Admission Requirements

- Bachelor's degree from an accredited college or university
- Minimum 2.750 undergraduate GPA¹ on a 4.000-point scale
- Official transcript(s)
- Résumé
- Goal statement
- Three letters of recommendation
- English language proficiency - all international students must provide proof of English language proficiency (unless they meet specific exceptions to waive) by earning one of the following:²
 - Minimum 94 TOEFL iBT score
 - Minimum 7.0 IELTS score
 - Minimum 65 PTE score
 - Minimum 120 DET score

¹ In calculating total GPA, all grades from all courses taken at relevant level (bachelor's or master's) from all institutions are counted. Applicants who do not meet the minimum 2.750 GPA requirement must submit a statement that addresses the circumstances that contributed to the GPA and preparation for success in graduate study. Applicants should include recent professional achievements that indicate an ability to perform at a higher academic level to be considered for conditional admission to the program.

² International applicants who do not meet the above test scores will not be considered for admission.

Application Deadlines

- **Fall Semester**
 - Application deadline: April 15
- **Spring Semester**
 - Application deadline: November 15
- **Summer Term**
 - Application deadline: March 15

Applications submitted after these deadlines will be considered on a space-available basis.

Program Requirements

Major Requirements

| Code | Title | Credit Hours |
|---|---|--------------|
| Major Requirements | | |
| HI 60401 | HEALTH INFORMATICS MANAGEMENT | 3 |
| HI 60402 | LEGAL ISSUES IN HEALTH INFORMATICS | 3 |
| HI 60403 | HEALTH INFORMATION SYSTEMS | 3 |
| HI 60410 | HEALTH RECORDS MANAGEMENT | 3 |
| HI 60411 | CLINICAL ANALYTICS | 3 |
| HI 60414 | HUMAN FACTORS AND USABILITY IN HEALTH INFORMATICS | 3 |
| HI 60636 | STANDARDIZED TERMINOLOGIES IN HEALTHCARE | 3 |
| Major Electives, choose from the following: | | 12 |
| EMAT 51510 | PROJECT MANAGEMENT AND TEAM DYNAMICS | |
| HI 60412 | CLINICAL DECISION SUPPORT | |

| | |
|--|---|
| HI 60413 | CHANGE MANAGEMENT IN HEALTH INFORMATICS |
| HI 60415 | HEALTH INFORMATICS INQUIRY AND ASSESSMENT |
| HI 60416 | HEALTH INFORMATICS ISSUES: POLICY, POLITICS AND ETHICS |
| HI 60417 | PUBLIC HEALTH INFORMATICS |
| HI 60418 | CLINICAL ANALYTICS II |
| HI 60419 | CONSUMER HEALTH INFORMATICS |
| HI 60691 | SEMINAR IN HEALTH INFORMATICS |
| HI 60792 | ELECTIVE INTERNSHIP IN HEALTH INFORMATICS |
| HI 60693 | VARIABLE TITLE WORKSHOP IN HEALTH INFORMATICS ¹ |
| HI 61095 | SPECIAL TOPICS IN HEALTH INFORMATICS |
| HI 61096 | INDIVIDUAL INVESTIGATION IN HEALTH INFORMATICS ² |
| KM 60301 | FOUNDATIONAL PRINCIPLES OF KNOWLEDGE MANAGEMENT |
| KM 60311 | BUSINESS PROCESS MANAGEMENT |
| KM 60370 | SEMANTIC ANALYSIS METHODS AND TECHNOLOGIES |
| UX 60511 | INFORMATION ARCHITECTURE FUNDAMENTALS |
| UX 60541 | USER EXPERIENCE EVALUATION FUNDAMENTALS |
| Any Knowledge Management (KM) Course | |
| Any Library and Information Science (LIS) Course | |
| Any User Experience (UX) Course | |
| <i>Culminating Requirement</i> | |
| Choose from the following: | 3-6 |
| HI 66092 | MASTER'S INTERNSHIP IN HEALTH INFORMATICS |
| HI 66099 | MASTER'S PROJECT IN HEALTH INFORMATICS |
| HI 66198 | MASTER'S RESEARCH PAPER IN HEALTH INFORMATICS |
| HI 66199 | THESIS I |
| Minimum Total Credit Hours: | 36 |

¹ A maximum 4 credit hours of HI 60693 may be applied towards the degree.

² A maximum 6 credit hours of HI 61096 may be applied towards the degree.

Graduation Requirements

| Minimum Major GPA | Minimum Overall GPA |
|-------------------|---------------------|
| - | 3.000 |

- No more than one-half of a graduate student's coursework may be taken in 50000-level courses.
- Grades below C are not counted toward completion of requirements for the degree.

Program Learning Outcomes

Graduates of the program will be able to:

1. Reconcile the needs of clinical and non-clinical users of health information systems utilizing workflow analysis, systems analysis and project management principles.

2. Analyze collected data of health information systems, utilizing principles of data mining, statistics and clinical analytics.
3. Manage the implementation of health information systems in multiple health care venues using principles of organizational dynamics and change management.
4. Facilitate communication between clinical and non-clinical users of health information systems.
5. Successfully obtain the credential of Certified Associate in Health Information Systems.

Full Description

The Master of Science degree in Health Informatics prepares graduates for careers in managerial, analytical, consultative and executive roles working with healthcare systems and clinicians.

Health informatics is the science of evaluating, implementing and utilizing technology to manage all information related to the patient care delivery process: clinical, financial, technological and enterprise-wide. Three major components comprise the health informatics discipline:

1. Information Systems: focuses on such issues as information systems analysis, design, implementation, management and leadership
2. Informatics: concerned with the study of structure, function and transfer of information, socio-technical aspects of health computing and human-computer interaction
3. Information Technology: focuses on computer networks, database and systems administration, security and programming.

The informatics field also draws contributions from computer science, the clinical sciences, social and organizational influences and business practices.