

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

- School Director: **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

* 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) by earning one of the following:
 - Minimum 587 TOEFL PBT score (paper-based version)
 - Minimum 94 TOEFL IBT score (Internet-based version)
 - Minimum 82 MELAB score
 - Minimum 7.0 IELTS score
 - Minimum 65 PTE score
 - Minimum 120 Duolingo English test score

For more information about graduate admissions, visit the graduate admission website. For more information on international admission, visit the Office of Global Education's admission website.

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.

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 60691	SEMINAR IN HEALTH INFORMATICS
HI 60792	ELECTIVE INTERNSHIP IN HEALTH INFORMATICS
HI 61095	SPECIAL TOPICS IN HEALTH INFORMATICS
HI 61096	INDIVIDUAL INVESTIGATION IN HEALTH INFORMATICS
KM 60301	FOUNDATIONAL PRINCIPLES OF KNOWLEDGE MANAGEMENT
KM 60311	BUSINESS PROCESS MANAGEMENT
KM 60370	SEMANTIC ANALYSIS METHODS AND TECHNOLOGIES
UXD 60101	INFORMATION ARCHITECTURE I
UXD 60104	USABILITY I
Any Knowledge Management (KM) Course	
Any Library and Information Science (LIS) Course	
Any User Experience Design (UXD) 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

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.