HEALTH INFORMATICS - M.S.

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

Examples of Possible Careers*

Computer and information research scientists
• 15.4% much faster than the average
• 32,700 number of jobs
• $126,830 potential earnings

Database administrators and architects
• 9.7% much faster than the average
• 132,500 number of jobs
• $98,860 potential earnings

Computer and information systems managers
• 10.4% much faster than the average
• 461,000 number of jobs
• $151,150 potential earnings

Health specialties teachers, postsecondary
• 20.5% much faster than the average
• 254,000 number of jobs
• $99,090 potential earnings

Contact Information
• School Director: Meghan Harper | iSchool@kent.edu | 330-672-2782
• Chat with an Admissions Counselor

Fully Offered
• Delivery: Fully online

Admission Terms
• Fall
• Spring

*Note
Source of occupation titles and labor data is 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.

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.

Admission Requirements
• Bachelor’s degree from an accredited college or university
• Minimum 2.750 undergraduate GPA\(^1\) 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.

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

Program Requirements

Major Requirements

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<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>HI 60401</td>
<td>HEALTH INFORMATICS MANAGEMENT</td>
<td>3</td>
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<tr>
<td>HI 60402</td>
<td>LEGAL ISSUES IN HEALTH INFORMATICS</td>
<td>3</td>
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<tr>
<td>HI 60403</td>
<td>HEALTH INFORMATION SYSTEMS</td>
<td>3</td>
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<td>HI 60410</td>
<td>HEALTH RECORDS MANAGEMENT</td>
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<td>HI 60411</td>
<td>CLINICAL ANALYTICS</td>
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<td>HI 60414</td>
<td>HUMAN FACTORS AND USABILITY IN HEALTH INFORMATICS</td>
<td>3</td>
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<tr>
<td>HI 60636</td>
<td>STANDARDIZED TERMINOLOGIES IN HEALTHCARE</td>
<td>3</td>
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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

Culminating Requirement

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