HEALTH INFORMATICS - M.S.

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) the information systems component focuses on such issues as information systems analysis, design, implementation, management and leadership; (2) the informatics component is concerned with the study of structure, function and transfer of information, socio-technical aspects of health computing and human-computer interaction; and (3) the information technology component 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.

Fully Offered At:
• Online

Admission Requirements
• Bachelor’s degree from an accredited college or university for unconditional admission
• Minimum 3.000 undergraduate GPA on a 4.000 point scale for unconditional admission
  • A statement of exception is required for students whose overall GPA is below 3.00 that address how the student has prepared for success in graduate study.
• Official transcript(s)
• GRE scores if total GPA is below 3.00 in highest completed degree (Effective spring 2020, GRE scores will no longer be required)
• 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

For more information about graduate admissions, please visit the Graduate Studies website. For more information on international admission, visit the Office of Global Education 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.

Program Learning Outcomes
Graduates of the program will be able to:
• Reconcile the needs of clinical and non-clinical users of health information systems utilizing workflow analysis, systems analysis and project management principles.
• Analyze collected data of health information systems, utilizing principles of data mining, statistics and clinical analytics.
• Manage the implementation of health information systems in multiple health care venues using principles of organizational dynamics and change management.
• Facilitate communication between clinical and non-clinical users of health information systems.
• Successfully obtain the credential of Certified Associate in Health Information Systems.

Program Requirements
Major Requirements

<table>
<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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<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>
<td>3</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

- DSCI 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
<table>
<thead>
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<th>Course Code</th>
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<tr>
<td>UXD 60101</td>
<td>INFORMATION ARCHITECTURE I</td>
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<tr>
<td>UXD 60104</td>
<td>USABILITY I</td>
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Knowledge Management (KM) Courses

Library and Information Science (LIS) Courses

User Experience Design (UXD) Courses

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<th>Culminating Requirement, choose from the following:</th>
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<tbody>
<tr>
<td>HI 66092</td>
<td>MASTER'S INTERNSHIP IN HEALTH INFORMATICS</td>
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<tr>
<td>HI 66098</td>
<td>MASTER'S PROJECT IN HEALTH INFORMATICS</td>
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<tr>
<td>HI 66198</td>
<td>MASTER'S RESEARCH PAPER IN HEALTH INFORMATICS</td>
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<tr>
<td>HI 66199</td>
<td>THESIS I</td>
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Minimum Total Credit Hours: 36

1 With advisor approval, students may take a maximum 6 credit hours of KM, LIS and/or UXD courses, or other Kent State courses.