HEALTH INFORMATICS - M.S.

College of Communication and Information
School of Information
314 University Library
Kent Campus
330-672-2782
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www.kent.edu/slis

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 Only

Admission Requirements
• Official transcript(s)
• GRE scores if total GPA is below 3.0 in highest completed degree
• Goal statement
• Résumé
• 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 (effective spring 2018):
  • 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

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
KM 60301 FOUNDATIONAL PRINCIPLES OF KNOWLEDGE MANAGEMENT 3
LIS 60636 KNOWLEDGE ORGANIZATION STRUCTURES, SYSTEMS AND SERVICES 3

Major Electives, choose from the following: 12
HI 60412 CLINICAL DECISION SUPPORT
HI 60413 CHANGE MANAGEMENT IN HEALTH INFORMATICS
HI 60414 HUMAN FACTORS AND USABILITY IN HEALTH INFORMATICS
HI 60415 HEALTH INFORMATICS INQUIRY AND ASSESSMENT
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 60311 BUSINESS PROCESS MANAGEMENT
KM 60370 SEMANTIC ANALYSIS METHODS AND TECHNOLOGIES
UXD 60101 INFORMATION ARCHITECTURE I
UXD 60104 USABILITY I
Knowledge Management (KM) Courses
Library and Information Science (LIS) Courses
User Experience Design (UXD) Courses

Culminating Requirement, choose from the following: 3-6
HI 66092 MASTER’S INTERNSHIP IN HEALTH INFORMATICS
HI 66098 MASTER’S PROJECT IN HEALTH INFORMATICS
HI 66198 MASTER’S RESEARCH PAPER IN HEALTH INFORMATICS

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<th>HI 66199</th>
<th>THESIS I</th>
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<td>Minimum Total Credit Hours:</td>
<td>36</td>
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1. With advisor approval, students may take a maximum 6 credit hours of KM, LIS and/or UXD courses, or other Kent State courses.