

HEALTH INFORMATICS - M.S.

College of Communication and Information

School of Information
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 Kent Campus
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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 3.000 in highest completed degree¹ (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

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
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	

UXD 60101	INFORMATION ARCHITECTURE I	
UXD 60104	USABILITY I	
Knowledge Management (KM) Courses ¹		
Library and Information Science (LIS) Courses ¹		
User Experience Design (UXD) Courses ¹		
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	
HI 66199	THESIS I	
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.