

Name:

Masters Degree Program (39 credit hours)

Student ID #:

Catalog Year 2014-2016

Basic Informatics (6 hrs min)	Semester/ Year	Cr	Grade	Research Informatics (9 hrs min)	Semester/ Year	Cr	Grade	Advanced Informatics (3 hrs min)	Semester/ Year	Cr	Grade
HI5300 Intro to HI*				HI5351 Research Design*							
				HI5352 Statistical Methods*							
				HI6313 Scientific Writing*							
Number of Credits		0		Number of Credits		0		Number of Credits		0	

Foundational Courses (6 hrs)	Semester/ Year	Cr	Grade	Concentration Courses	Semester/ Year	Cr	Grade	Student Learning Outcomes	Date Achieved
HI5310 Foundations I*								Scope of Discipline	
HI5311 Foundations II*								Ability to apply	
								Opportunities and Limitations	
				Number of Credits		0			
Number of Credits		0							

Practicum (3 hrs)	Semester/ Year	Cr	Grade
HI6000 Practicum*			
Number of Credits		0	

Total Number of Credits: 0
Approved by:
Advising Committee Members:

 Primary Advisor (Print Name) Signature Date

 Student Signature Date

* Required courses

Research Track Concentrations for 2014-2016

Clinical Informatics (18 hours)

HI 5007	Data Structures and Algorithms in Biomedicine	Basic
HI 5313	Introduction to Electronic Health Records	Basic
HI 5314	Technology Assessment in Healthcare	Basic
HI 5315	Quality and Outcome Improvement in Healthcare	Basic
HI 5353	Health Informatics Data Analysis	Research
HI 5354	Cognitive Engineering in Health Informatics	Research
HI 5360	Clinical Decision Support System	Basic
HI 6315	Advanced Electronic Health Records	Advanced
HI 6330	Biomedical Natural Language Processing	Advanced
HI 6340	HI Visualization and Visual Analytics	Research

Cognitive Informatics (18 hours)

HI 5007	Data Structures and Algorithms in Biomedicine	Basic
HI 5302	Cognitive Science in Health Informatics	Basic
HI 6305	Social Dynamics and Health Information	Advanced
HI 5354	Cognitive Engineering in Health Informatics	Research
HI 5360	Clinical Decision Support System	Basic
HI 6301	Health Data Display	Advanced
HI 6308	Consumer Informatics	Advanced
HI 6309	Healthcare Interface Design	Advanced
HI 6330	Biomedical Natural Language Processing	Advanced
HI 6332	Distributional Semantics: Methods and Biomedical Applications	Advanced
HI 6340	HI Visualization and Visual Analytics	Research

Health Data Analytics (18 hours)

HI 5007	Data Structures and Algorithms in Biomedicine	Basic
HI 5304	Advanced Database Concepts in Health Informatics	Research
HI 5351	Research Design and Evaluation in Health Informatics	Research
HI 5352	Statistical Methods in Health Informatics	Research
HI 5353	Health Informatics Data Analysis	Research
HI 6301	Health Data Display	Advanced
HI 6322	Distributional Semantics: Methods and Biomedical Applications	Advanced
HI 6323	Datamining in Biomedical Informatics	Advanced
HI 6330	Biomedical Natural Language Processing	Advanced
HI 6340	HI Visualization and Visual Analytics	Research

Public Health Informatics (18 hours)

HI 5314	Technology Assessment in Healthcare	Basic
HI 5315	Outcomes and Quality in Healthcare	Basic
HI 5353	Health Informatics Data Analysis	Research
HI 5380	Principles and Foundations of Public Health Informatics	Basic
HI 5381	Methods in Public Health Informatics	Basic
HI 5382	Synthesis Project in Public Health Informatics	Advanced
HI 6324	Health Information Technology Policy	Advanced
HI 6340	HI Visualization and Visual Analytics	Research