

Health Informatics and Information Management

Degree Awarded

- Bachelor of Science

Nature of Program

The program in Health Informatics and Information Management (HIIM) was approved in the Spring of 2017 with the first students being accepted for Fall 2017. HIIM is an integration of healthcare management, business management, and information systems technology. HIIM professionals possess a unique blend of knowledge, skills, and competencies related to the complex and ever-evolving healthcare industry, including healthcare systems organization; workflow and delivery processes; healthcare privacy and security; policy and finance; data management; compliance; clinical documentation improvement; and quality healthcare outcomes and improvement processes.

The goal of the HIIM program is to prepare students to graduate with an understanding of current and future healthcare industry trends and issues; to prepare students to develop, communicate, and manage resources and solutions to address healthcare industry challenges; and to prepare students to improve overall quality and outcomes of the healthcare system.

Students graduating with this degree are prepared for leadership roles in a wide variety of job settings. Opportunities are available in compliance/risk management, healthcare privacy and security, health informatics/data analysis, clinical documentation improvement, information governance, operations/administration, and revenue cycle management (clinical coding and billing).

ADMINISTRATION

PROGRAM DIRECTOR

- Sally Lucci - MS, RHIA, CCA

FACULTY

PROGRAM DIRECTOR

- Sally Lucci - MS (Geneva College)
RHIS, CCA

ASSISTANT PROFESSOR

- Megan McDougal - MS (College of Saint Scholastica)
RHIS, CHTS-IM

Freshman and transfer applicants must meet the minimum WVU general admission requirements for admission to the program. Please see details at <http://admissions.wvu.edu/how-to-apply>.

General Education Foundations

Please use this link to view a list of courses that meet each GEF requirement. (<http://registrar.wvu.edu/gef>)

NOTE: Some major requirements will fulfill specific GEF requirements. Please see the curriculum requirements listed below for details on which GEFs you will need to select.

General Education Foundations

F1 - Composition & Rhetoric		3-6
ENGL 101 & ENGL 102 or ENGL 103	Introduction to Composition and Rhetoric and Composition, Rhetoric, and Research Accelerated Academic Writing	
F2A/F2B - Science & Technology		4-6
F3 - Math & Quantitative Skills		3-4
F4 - Society & Connections		3
F5 - Human Inquiry & the Past		3
F6 - The Arts & Creativity		3
F7 - Global Studies & Diversity		3

F8 - Focus (may be satisfied by completion of a minor, double major, or dual degree)	9
Total Hours	31-37

Please note that not all of the GEF courses are offered at all campuses. Students should consult with their advisor or academic department regarding the GEF course offerings available at their campus.

GEF Requirements	15
HIIM 191 First-Year Seminar	1
A grade of C- or higher must be earned in all graded courses required for the major.	
Minimum GPA of 2.5 required.	
ENGL 101 Introduction to Composition and Rhetoric (GEF 1)	3
ENGL 102 Composition, Rhetoric, and Research (GEF 1)	3
BIOL 102 General Biology	4
& BIOL 104 and General Biology Laboratory (GEF 2)	
CS 101 Intro to Computer Applications (GEF 8)	4
PHIL 331 Health Care Ethics (GEF 5)	3
Program Requirements	
STAT 111 Understanding Statistics (GEF 3)	3
PATH 200 Medical Terminology	3
NBAN 205 Introduction to Human Anatomy	4
& NBAN 206 and Human Anatomy Laboratory	
PSIO 241 Elementary Physiology	4
Major Requirements	
HIIM 110 Introduction to U.S. Healthcare Delivery System	3
HIIM 112 Fundamentals of Health Information Management	3
HIIM 231 Health Information Management Applications	2
HIIM 233 Health Informatics and Information Management Disease Fundamentals and Management	3
HIIM 235 Coding and Classification of Diseases	3
HIIM 237 Introduction to Professional Practice	1
HIIM 240 Classification of Healthcare Procedures	3
HIIM 242 Healthcare Reimbursement and Revenue Cycle Management	2
HIIM 244 Principles of Health Informatics and Information Management Quality Management	2
HIIM 246 Fundamentals of Clinical Documentation Improvement	3
HIIM 247 Registries in Healthcare	2
HIIM 248 Health Informatics and Information Management Professional Practice 1	1
HIIM 351 Data Privacy, Confidentiality, and Security	3
HIIM 353 Healthcare Information System Analysis and Design	3
HIIM 355 Health Informatics and Information Management Legal Issues	3
HIIM 360 Application of Healthcare Classification Systems	3
HIIM 362 Data Governance in Healthcare Systems	3
HIIM 364 Healthcare Data Design	3
HIIM 366 Healthcare Analytics 1	2
HIIM 368 Health Informatics & Information Management Professional Practice 2	1
HIIM 471 Health Informatics & Information Management Research	3
HIIM 473 Healthcare Analytics 2	2
HIIM 475 Project Management in Health Informatics & Information Management	3
HIIM 477 Leadership in Health Informatics & Information Management	3
HIIM 480 Health Informatics & Information Management Administration	3
HIIM 482 Health Informatics and Information Governance	3
HIIM 484 Capstone in Health Informatics & Information Management	3
HIIM 486 Advanced Professional Practice in Health Informatics & Information Management	3
Electives	1
Total Hours	120

First Year		
Fall	Hours Spring	Hours
HIIM 191	1 ENGL 101	3
BIOL 102 & BIOL 104 (GEF 2)	4 NBAN 205 & NBAN 206	4
CS 101 (GEF 8)	4 HIIM 110	3
PATH 200	3 HIIM 112	3
STAT 111	3 GEF Requirements (4, 6, 7 or 8)	3
	15	16
Second Year		
Fall	Hours Spring	Hours
ENGL 102	3 HIIM 240	3
HIIM 231	2 HIIM 242	2
HIIM 233	3 HIIM 244	2
HIIM 235	3 HIIM 246	3
HIIM 237	1 HIIM 247	2
PSIO 241	4 HIIM 248	1
	Elective	1
	16	14
Third Year		
Fall	Hours Spring	Hours
HIIM 351	3 HIIM 360	3
HIIM 353	3 HIIM 362	3
HIIM 355	3 HIIM 364	3
PHIL 331 (GEF 5)	3 HIIM 366	2
GEF Requirements (4, 6, 7, or 8)	3 HIIM 368	1
	GEF Requirement (4, 6, 7 or 8)	3
	15	15
Fourth Year		
Fall	Hours Spring	Hours
HIIM 471	3 HIIM 480	3
HIIM 473	2 HIIM 482	3
HIIM 475	3 HIIM 484	3
HIIM 477	3 HIIM 486	3
GEF Requirement (4, 6, 7 or 8)	3 GEF Requirement (4, 6, 7 or 8)	3
	14	15

Total credit hours: 120

Major Learning Outcomes

BACHELOR OF SCIENCE IN HEALTH INFORMATICS AND INFORMATION MANAGEMENT (HIIM)

Students completing the degree will be able to:

- Coordinate all information management functions across the enterprise that encompasses the quality, appropriateness, retrieval and analysis, and security of patients-related and other enterprise data.
- Employ skills in the design and use of medical vocabularies and classification systems; define data and retrieve information from computer-based patient record systems using vocabularies and classification systems.
- Employ skills to maintain organizational compliance across the enterprise.
- Understand and synthesize finance and reimbursement strategies related to various delivery systems.
- Implement methodologies known to improve data quality that are required in today's healthcare environment.
- Design, implement, and/or maintain an information security program that balances the requirements of privacy, integrity, and availability of data.

4 *Health Informatics and Information Management*

- Employ systems and strategic planning, integrate and maintain information resources, and understand acquisition and implementation of systems.
- Employ skills in data retrieval, data mining, data cartography, modeling, and statistical tools for analysis of healthcare data.
- Understand vocabulary of the healthcare enterprise; serve as the human interface between the healthcare professional and the systems professional with technical expertise and the systems environment; construct data models.
- Manage the implementation of systems necessary to support the computer-based patient record and other systems implementation projects.