

# HEALTH INFORMATICS, DUAL DEGREE: M.D. AND M.S. IN HEALTH INFORMATICS

The MD/MS Health Informatics dual-degree program is formally integrated into the academic catalogs of both the School of Medicine and the graduate health informatics program. The curriculum is structured to allow medical students to complete the MS Health Informatics degree concurrently with MD training, minimizing time to completion while maintaining academic rigor and accreditation standards. Coursework is sequenced to complement medical education and emphasizes applied informatics, analytics, and health information systems relevant to clinical practice. Upon completion, graduates earn both degrees, reflecting interdisciplinary preparation aligned with workforce and health system needs.

## Admission Requirements

- Students must have a 2.5 or higher undergraduate Grade Point Average (GPA) on a 4.0 scale from their undergraduate degree-granting institution.
- A baccalaureate degree from an accepted, accredited college or university.
- Official transcripts from degree-granting institutions (additional transcripts may be required, at the discretion of the program). International students must submit transcripts evaluated by a credentialing agency, such as WES or a NACES member.
- No entrance exam is required; however, a Graduate Record Exam (GRE) score may be submitted to strengthen an application.

## Graduation Requirements

Graduation Requirements for MS HIN Degree: A Plan of Study approved by the student's advisor from the medical school must be submitted for approval to the director of graduate studies before the student registers. The Plan of Study is a student's "blueprint" for completing the graduation requirements.

- Students must complete the required 33 hours of graduate-level coursework.
- MSHI students will be required to complete the Health Informatics Practicum (HIN 650 Health Informatics Practicum), which includes successfully completing at least 400 hours in an educationally directed Health Informatics internship at one of several Health Informatics job sites that the MSHI program director has approved. The student internships consist of job placements in the Health Informatics field at hospitals, healthcare clinics, or other healthcare settings, at the academic, government, or healthcare industry levels. Only a maximum of 6 credit hours with a grade of "C" will be accepted.

## Course Requirements

### Courses with Prerequisites:

#### 1. HCA 656 – Management of Health Care Technology & Information Systems

- Prerequisite: HCA 600 – The Health Care System

#### 2. HIN 610 – Introduction to Health Informatics

- Prerequisite: HIN 605 – The Role of HER and PHR

#### 3. HIN 650 – Health Informatics Practicum

- Prerequisites: HCA 600 – The Health Care System and HIN 605 – The Role of HER and PHR

## Plan of Study

### Master of Science in Health Informatics

#### Graduate College of Business

Advisor: Kelly Sowards ([kelly.sowards@marshall.edu](mailto:kelly.sowards@marshall.edu))

#### First Year

Fall		Credit Hours
HCA 600	The Health Care System	3
HIN 605	The Role of EHR and PHR	3
<b>Credit Hours</b>		<b>6</b>

#### Spring

HCA 656	Mgt of Medical Technology	3
<b>Credit Hours</b>		<b>3</b>

#### Second Year

Fall		Credit Hours
MIS 623	Database Management	3
<b>Credit Hours</b>		<b>3</b>

#### Summer

HIN 610	Intro to Health Informatics	3
<b>Credit Hours</b>		<b>3</b>

#### Third Year

Fall		Credit Hours
EM 660 or MIS 670	Project Management or Business Sys Proj Mgt	3
<b>Credit Hours</b>		<b>3</b>

#### Spring

HIN 620	Legal Health & Informat	3
<b>Credit Hours</b>		<b>3</b>

#### Summer

HIN 664	Advanced Health Informatics	3
<b>Credit Hours</b>		<b>3</b>

#### Fourth Year

Fall		Credit Hours
STA 518	Biostatistics	3
<b>Credit Hours</b>		<b>3</b>

#### Spring

MIS 624	Data Warehousing	3
<b>Credit Hours</b>		<b>3</b>

**Summer**

HIN 650	Health Informatics Practicum	3
<b>Credit Hours</b>		<b>3</b>
<b>Total Credit Hours</b>		<b>33</b>

**Please note:** No MD courses will share with this degree.