

Master of Health Informatics, Minor in Spirituality and Healthcare Technology

HBI University

Course Duration: 2 years

Credit Hours: 69 (including 15 credit hours for minor)



Program Description

The Master of Health Informatics at HBIU University is designed to equip students with expertise in health data management, technology applications in healthcare, and strategies for improving patient outcomes through informatics.

This program integrates technology and data science with healthcare policies and practices to enhance efficiency and decision-making.

The Minor in Spirituality and Healthcare Technology focuses on the role of faith and spirituality in healthcare decision-making and patient care. Students will explore ethical considerations, holistic healing, and the integration of spirituality into technological advancements in healthcare.

Admissions Requirements

- Bachelor's degree in a relevant field
- Minimum GPA of 3.0
- GRE scores (if applicable)
- Statement of Purpose (1,000-1,500 words) outlining research interests and career goals
- Three letters of recommendation
- Academic writing sample
- Curriculum Vitae (CV) or resume
- Interview with faculty (if required)

Foundational Courses (30 Credit Hours)

Course Code	Course Name	Credit Hours
MHI 201	Introduction to Health Informatics	3
MHI 202	Healthcare Data Management	3
MHI 203	Electronic Health Records Systems	3
MHI 204	Health Information Exchange	3
MHI 205	Medical Terminology for Informatics	3
MHI 206	Health Policy and Technology	3
MHI 207	Clinical Decision Support Systems	3
MHI 208	Healthcare Analytics and Big Data	3
MHI 209	Cybersecurity in Healthcare	3
MHI 210	Health IT Project Management	3

Core Courses (24 Credit Hours)

Course Code	Course Name	Credit Hours
MHI 601	Advanced Health Informatics	3
MHI 602	Interoperability and Standards	3
MHI 603	Machine Learning in Healthcare	3
MHI 604	Telemedicine and Remote Patient Monitoring	3

MHI 605	Ethics in Health Informatics	3
MHI 606	Healthcare Database Management	3
MHI 607	Population Health Informatics	3
MHI 608	Capstone in Health Informatics	3

Minor in Spirituality and Healthcare Technology (15 Credit Hours)

Course Code	Course Name	Credit Hours
SHT 701	Spirituality in Healthcare Practice	3
SHT 702	Faith-Based Healthcare Technologies	3
SHT 703	Ethics and Spirituality in Healthcare	3
SHT 704	Holistic Approaches in Medicine	3
SHT 705	Technology and End-of-Life Care	3

Program Outcomes

- Develop expertise in health informatics systems, data analytics, and technology applications in healthcare.
- Understand healthcare policies, cybersecurity measures, and interoperability standards.
- Integrate spiritual and ethical considerations into health informatics practice.
- Enhance patient care through innovative health technology solutions.

Career Outcomes and Potential Pay Scale

Career Path	Average Salary (Annual)
Health Informatics Specialist	\$75,000 - \$120,000
Clinical Data Analyst	\$80,000 - \$130,000

Healthcare IT Consultant	\$85,000 - \$140,000
Medical Information Officer	\$90,000 - \$150,000
Public Health Data Scientist	\$85,000 - \$135,000

Practicum Requirement

The practicum for this program provides students with hands-on experience in healthcare informatics, patient data analysis, and technology-driven healthcare solutions. Students will work with hospitals, health IT firms, or research institutions to apply informatics in real-world healthcare settings.

Practicum Requirements:

- A minimum of 200 hours of supervised field experience.
- Submission of a comprehensive practicum report detailing experiences and learning outcomes.
- Participation in professional development workshops and seminars.
- Completion of a presentation summarizing fieldwork and key takeaways.

Master's Thesis Requirements

The Master's thesis is a critical component of the program, requiring students to conduct original research in health informatics. The thesis must demonstrate a thorough understanding of foundational principles, research methodologies, and ethical considerations.

Students must complete the following steps:

- Develop a research proposal approved by faculty advisors.
- Conduct an in-depth literature review relevant to their topic.
- Collect and analyze data using appropriate methodologies.
- Write a comprehensive thesis (minimum 50 pages) following academic guidelines.
- Successfully defend their thesis before a faculty committee.

Advocacy in Health Informatics

The field of health informatics plays a crucial role in advocating for the ethical, legal, and practical use of healthcare technology to improve patient outcomes. Graduates of this program will be equipped to champion policies that promote data security, patient rights, equitable access to digital health tools, and the integration of spirituality in patient-centered care.

Advocacy Goals:

- Promote ethical and secure use of health data and informatics technologies.
- Encourage the integration of holistic and spiritual care models in healthcare technology.
- Support policies that enhance digital health equity and accessibility.
- Collaborate with healthcare organizations to implement informatics-driven improvements.
- Influence public health initiatives through data-driven decision-making.

Additional Elective Courses

Course Code	Course Name	Credit Hours
ELE 801	Innovations in Health Informatics	3
ELE 802	Spirituality and Mental Health Technologies	3
ELE 803	Healthcare Predictive Analytics	3
ELE 804	Blockchain in Health Data Security	3
ELE 805	Ethical AI in Healthcare	3