Master of Science (M.S.)

Health Informatics and Bioinformatics

Health Informatics Concentration (Winter Start)

2025 – 2026 Catalog Year

Name: _____ **G Number:** _____

1st Year		
Winter		
CIS 661: Introduction to Health and Bioinformatics		3
CMB 610: Foundations of Biotechnology		3
or CMB 501: Scientific Communication		3
STA 610: Applied Statistics for Health Professions		
Total		**9**

1st Year		
Fall		
CIS 635: Knowledge Discovery and Data Mining		3
CIS 660: Data Engineering		3
PSM 650: Ethics & Professionalism in Applied Science		3
Total		**9**

2nd Year		
Winter		
CIS 665: Clinical Information Systems		3
CIS 671: Information Visualization		3
CIS 691: Medical and Bioinformatics Capstone		3
Total		**9**

2nd Year		
Fall		
PSM 662: Seminar in Professional Science Practice		2
PSM 691: Internship		4
Health Informatics Elective		3
Total		**9**

List of Health Informatics Electives:
PNH 630: Health Administration and Service
PNH 635: Hospital Organization and Management
NUR 705: Health Care Decision Support
NUR 706: Telehealth

- This is a suggested curriculum guide that might not be applicable to every student.
- Students must have 36 credits to graduate, with a minimum of 24 credits taken at GVSU.
- Students must maintain a 3.0 GPA to graduate.

Admission Requirements
Grade point average of 3.0 from undergraduate work
Resume detailing work experiences and accomplishments
Personal statement of career goals and background experiences, including an explanation of how this program will help achieve educational and professional objectives.
Recommendations: Two professional or academic recommendations received online, addressing the candidate's potential for graduate study completion. You will provide the emails of two references in your account at www.gvsu.edu/gradapply, and they will be sent a link to fill out their online recommendation.
Programming language knowledge
Applied statistics knowledge

Student Signature _____ **Date** _____

GPD Signature _____ **Date** _____