Our Master of Science in Health Informatics ALIGN program seeks to prepare students from diverse backgrounds to excel in the health informatics field. ALIGN's custom master's degree curricula are tailored to each student's professional and educational background, allowing successful students to transition into careers in high-demand industries. Learn more at the ALIGN webpage (http://www.northeastern.edu/align).

## Program Requirements

Complete all courses and requirements listed below unless otherwise indicated.

### Requirements

A grade of B− or higher is required in each course.

#### ALIGN Course Work

Complete one or two courses from the following as assigned during admission:

- **HINF 0200** Health and Medicine for Nonclinicians  
- **HINF 6230** Strategic Topics in Programming For Health Professionals

#### Core Requirements

- **HINF 5101** Introduction to Health Informatics and Health Information Systems  
- **HINF 5105** The American Healthcare System  
- **HINF 7701** Health Informatics Capstone Project

#### Business Management Core

Complete two courses from the following:

- **HINF 6201** Organizational Behavior, Work Flow Design, and Change Management  
- **HINF 6202** Business of Healthcare Informatics  
- **HINF 6215** Project Management  
- **HINF 6335** Management Issues in Healthcare Information Technology  
- **HINF 6240** Improving the Patient Experience through Informatics  
- **PHTH 5226** Strategic Management and Leadership in Healthcare

#### Health Informatics Core

Complete two courses from the following:

- **HINF 5102** Data Management in Healthcare  
- **HINF 5110** Global Health Information Management  
- **HINF 5200** Theoretical Foundations in Personal Health Informatics  
- **HINF 6205** Creation and Application of Medical Knowledge  
- **HINF 6350** Public Health Surveillance and Informatics  
- **HINF 6404** Patient Engagement Informatics and Analytics  
- **HINF 6405** Quantifying the Value of Informatics  
- **PHTH 5232** Evaluating Healthcare Quality

#### Technical Core

Complete two courses from the following:

- **HINF 6220** Database Design, Access, Modeling, and Security  
- **HINF 6230** Strategic Topics in Programming For Health Professionals  
- **HINF 6355** Key Standards in Health Informatics Systems  
- **PHTH 5210** Biostatistics in Public Health  
- **PHTH 5202** Introduction to Epidemiology

One course from the following may count toward the technical core requirement:

- **DA 5020** Collecting, Storing, and Retrieving Data  
- **DA 5030** Introduction to Data Mining/Machine Learning  
- **PPUA 5301** Introduction to Computational Statistics  
- **PPUA 5302** Information Design and Visual Analytics

#### Electives

Complete two courses from the following. Any course not taken to complete a core requirement may be taken as an elective.

- **HINF 6325** Legal and Social Issues in Health Informatics  
- **HINF 6330** Emerging Technologies in Healthcare  
- **HINF 6345** Design for Usability in Healthcare  
- **DA 5020** Collecting, Storing, and Retrieving Data  
- **DA 5030** Introduction to Data Mining/Machine Learning  
- **PPUA 5301** Introduction to Computational Statistics  
- **PPUA 5302** Information Design and Visual Analytics

#### Program Credit/GPA Requirements

39 total semester hours required  
Minimum 3.000 GPA required