

# Healthcare Leadership, DMSc

Northeastern University's Doctor of Medical Science (DMSc) is an interdisciplinary degree designed for medical professionals to advance their education and expand their career opportunities in the areas of healthcare leadership, administration, informatics, law, safety, and advocacy. Students from diverse healthcare backgrounds share the common goal of developing facility with healthcare systems and becoming leaders within the greater healthcare community.

In addition to taking core courses in healthcare leadership, administration, and research methods, students will have the opportunity to obtain additional education in one of several areas of specialization. These concentrations are designed to empower graduates from diverse backgrounds with the technical and analytical expertise that is both relevant and in high demand in today's healthcare environment. Students will have the opportunity to collaborate with faculty not only from the Department of Medical Sciences but also with world-renowned faculty from a variety of interdisciplinary fields within Northeastern University and the greater Boston community. This collaboration will allow students to access expertise and knowledge across disciplines that will culminate in the creation of an original thesis study.

Admission to the program requires a master's degree in a healthcare-related field or a bachelor's degree plus at least three years of full-time clinical experience.

This degree will take between 12 and 18 months to complete and can be fully completed online.

Please visit Bouvé College Learning Outcomes for the specific student learning outcomes for this program.

## Program Requirements

Complete all courses and requirements listed below unless otherwise indicated.

### Core Requirements

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

Code	Title	Hours
<b>Healthcare Leadership</b>		
MSCI 6001	Principles of Healthcare Advocacy	3
MSCI 6002	Workforce Metrics: Measuring, Comparing, and Privileging the Interprofessional Healthcare Team	3
MSCI 6003	Healthcare Leadership Seminar	3
PHTH 6204	Society, Behavior, and Health	3
<b>Research</b>		
HLTH 5410	Introduction to Statistics in Health and Behavioral Science	3
MSCI 6900	Research Methods and Design	3
MSCI 7990	Thesis	3
MSCI 7996	Thesis Continuation - Half-Time	0

### Concentrations

Completing a concentration is required to complete this program. A minimum of 12 semester hours is required.

- Business Management (p. 2)
- Health Informatics (p. 2)
- Health Informatics Research (p. 2)
- Health Law (p. 2)
- Interdisciplinary Healthcare Leadership (p. 2)
- Patient Safety (p. 3)
- Pharmacy and Health Systems Science (p. 3)
- Public Health (p. 3)

### Program Credit/GPA Requirements

Minimum of 33 total semester hours required

Minimum 3.000 GPA required

**CONCENTRATION IN BUSINESS MANAGEMENT**

Code	Title	Hours
Complete a minimum of 12 semester hours from the following: 12		
ENTR 6212	Business Planning for New Ventures	
INNO 6200	Enterprise Growth and Innovation	
MGMT 6225	Sustainability and Leadership	
MGMT 6226	Sustainability and the Business Environment	
STRT 6200	Strategic Decision Making in a Changing Environment	

**CONCENTRATION IN HEALTH INFORMATICS**

Code	Title	Hours
<b>Concentration Required</b>		
HINF 5101	Introduction to Health Informatics and Health Information Systems	3
HINF 6220	Database Design, Access, Modeling, and Security	3
HINF 6400	Introduction to Health Data Analytics	3
<b>Selective</b>		
Complete 3 semester hours from the following: 3		
HINF 5407	Business Application of Decision Support in Healthcare	
HINF 6205	Creation and Application of Medical Knowledge	

**CONCENTRATION IN HEALTH INFORMATICS RESEARCH**

Code	Title	Hours
<b>Concentration Required</b>		
HINF 5101	Introduction to Health Informatics and Health Information Systems	3
HINF 6220	Database Design, Access, Modeling, and Security	3
HINF 6400	Introduction to Health Data Analytics	3
<b>Selective</b>		
Complete 4 semester hours from the following: 4		
CS 6350	Empirical Research Methods	
HINF 5300	Personal Health Interface Design and Development	

**CONCENTRATION IN HEALTH LAW**

Code	Title	Hours
<b>Concentration Required</b>		
LW 6102	Introduction to Legal Studies 2	3
<b>Selective</b>		
LW 6102 is a prerequisite for the LW courses listed below. Complete 9 semester hours from the following: 9		
LW 6110	Law of Information and Records	
LW 6150	Law and Organizational Management	
LW 6180	Health Law Survey	
LW 6181	Healthcare Regulation and Compliance	
LW 6182	Patient Records, Privacy, and Security	

**CONCENTRATION IN INTERDISCIPLINARY HEALTHCARE LEADERSHIP**

Code	Title	Hours
Complete a minimum of 12 semester hours from the following: 12		
<b>Business Management for Healthcare</b>		
ENTR 6212	Business Planning for New Ventures	
INNO 6200	Enterprise Growth and Innovation	
MGMT 6225	Sustainability and Leadership	
MGMT 6226	Sustainability and the Business Environment	
STRT 6200	Strategic Decision Making in a Changing Environment	
<b>Health Informatics</b>		
CS 6350	Empirical Research Methods	

HINF 5101	Introduction to Health Informatics and Health Information Systems
HINF 5200	Theoretical Foundations in Personal Health Informatics
HINF 5300	Personal Health Interface Design and Development
HINF 5407	Business Application of Decision Support in Healthcare
HINF 6205	Creation and Application of Medical Knowledge
HINF 6220	Database Design, Access, Modeling, and Security
HINF 6400	Introduction to Health Data Analytics

**Health Law**

HRM 6030	The Employment Contract
LW 6102	Introduction to Legal Studies 2

LW 6102 is a prerequisite for the following LW courses:

LW 6110	Law of Information and Records
LW 6150	Law and Organizational Management
LW 6180	Health Law Survey
LW 6181	Healthcare Regulation and Compliance
LW 6182	Patient Records, Privacy, and Security

**Pharmacy and Health Systems Science**

PHMD 5223	Evidence-Based Medicine
PHMD 5575	Pharmaceutical Industry

**Public Health**

PHTH 5120	Race, Ethnicity, and Health in the United States
PHTH 5212	Public Health Administration and Policy
PHTH 6200	Principles and History of Urban Health
PHTH 6208	Urban Community Health Assessment

**CONCENTRATION IN PATIENT SAFETY**

Code	Title	Hours
<b>Concentration Required</b>		
HLTH 5600	Introduction to Patient Safety	3
HLTH 5610	Patient Safety Science	3
HLTH 5620	Leadership, Patient Safety, and Clinical Wellness	3
HLTH 5630	Quality Improvement in Patient Safety	3

**CONCENTRATION IN PHARMACY AND HEALTH SYSTEMS SCIENCE**

Code	Title	Hours
PHMD 5223	Evidence-Based Medicine	2
PHMD 5250	Pharmacy Care Management	4
PHMD 5270	Economic Evaluation of Pharmaceuticals and Pharmacy Practice	2
PHMD 5560	Applied Drug Information	2
PHMD 5575	Pharmaceutical Industry	2

**CONCENTRATION IN PUBLIC HEALTH**

Code	Title	Hours
<b>Concentration Required</b>		
PHTH 5120	Race, Ethnicity, and Health in the United States	3
PHTH 5212	Public Health Administration and Policy	3
PHTH 6200	Principles and History of Urban Health	3
PHTH 6208	Urban Community Health Assessment	3