Master of Science in Healthcare Leadership and Management

36 semester credit hours minimum

Faculty


**Associate Professors:** Mehmet Ayvaci, Nina Baranchuk, Norris Bruce, Jianqing Chen, Zhonglan Dai, Rebecca Files, Kyle Hyndman, Surya N. Janakiraman, Robert L. Kieschnick Jr., Atanu Lahiri, Ningzhong Li, Lívia Markóczy, Toyah Miller, Ramachandran (Ram) Natarajan, Naim Bugra Ozel, Orlando C. Richard, Young U. Ryu, Gil Sadka, Harpreet Singh, David J. Springate, Upender Subramanian, Kelsey D. Wei, Han (Victor) Xia, Jun Xia, Ying Xie, Yexiao Xu, Alejandro Zentner, Jieying Zhang, Yuan Zhang, Feng Zhao, Yibin Zhou

**Assistant Professors:** Emily Choi, Sheen Levine, Meng Li, Radha Mookerjee, Alejandro Rivera Mesias, Alessio Saretto, Shaojie Tang, Christian Von-Drathen, Steven Xiao, Zhe (James) Zhang

**Professor Emeritus:** Dale Osborne

**Associate Professor Emerita:** Jane Salk

**Clinical Professors:** John Barden, Britt Berrett, Abhijit Biswas, Shawn Carraher, Larry Chasteen, David Cordell, Howard Dover, John Gamino, Randall S. Guttery, Charles Hazzard, William Hefley, Marilyn Kaplan, Peter Lewin, Jeffrey Manzi, John F. McCracken, Diane S. McNulty, Daniel Rajaratnam, Kannan Ramanathan, David Ritchey, Rajiv Shah, Mark Thouin, Habte Woldu, Fang Wu, Laurie L. Ziegler

**Clinical Associate Professors:** Shawn Alborz, Dawn Owens, Carolyn Reichert, McClain Watson

**Clinical Assistant Professors:** Moran Blueshtein, Judd Bradbury, Ayfer Gurun, Maria Hasenhuttl, Julie Haworth, Jeffery (Jeff) Hicks, Kristen Lawson, Liping Ma, Ravi Narayan, Parneet Pahwa, Nassim Sohaee

**Senior Lecturers:** Semiramis Amirpour, Frank Anderson, Tiffany A. Bortz, Richard Bowen, George DeCourcy, Alexander Edsel, Amal El-Ashmawi, Mary Beth Goodrich, Thomas (Tom) Henderson, Jennifer G. Johnson, Jackie Kimzey, Chris Linsteadt, Joseph Mauriello, Victoria D. McCrady, Edward Meda, Prithi Narasimhan, Madison Pedigo, Matt Polze, Debra Richardson, Margaret Smallwood, Steven Solcher, Luell (Lou) Thompson, Robert Wright, Kathy Zolton, Hubert Zydorek
Degree Requirements

The Master of Science in Healthcare Leadership and Management is a minimum 36 semester credit hours degree program that prepares students for roles in the leadership and management of the U.S. healthcare industry. The Jindal School offers four options for students.

To apply for this degree program, an undergraduate degree is required (all majors are considered). Students must maintain a 3.0 grade-point average (GPA) in both core courses and in all graduate courses taken in the degree program, excluding program prerequisites to qualify for the MS degree. Students also have an option to obtain a double MS and MBA degree by taking a minimum of 63 semester credit hours (assuming they meet all the degree requirements for both programs).

Prerequisite

Students pursuing the Master of Science in Healthcare Leadership and Management degree program are required to complete one semester credit hour of MAS 6102 Professional Development course. Degree credit is not earned for program prerequisites, however, the grade achieved in prerequisites will count toward the student's grade-point average (GPA). All program prerequisites must be satisfied within the first semester of graduate study as a degree-seeking student.

Core Courses: 27 semester credit hours

- **HMGT 6311** Healthcare Financial Accounting
- **HMGT 6320** The American Healthcare System
- **HMGT 6321** Strategic Leadership of Healthcare Organizations
- **HMGT 6323** Healthcare Informatics
- **HMGT 6324** Healthcare Negotiation and Dispute Resolution
- **HMGT 6325** Healthcare Operations Management
- **HMGT 6330** Healthcare Law, Policy and Regulation
- **HMGT 6331** Healthcare Economics
- **HMGT 6332** Quality Improvement in Healthcare: Six Sigma and Beyond

Elective Courses: 9 semester credit hours

Choose 9 semester credit hours from the following Electives. Students may seek to substitute only one three semester credit hour graduate-level course within JSOM as a free elective in the degree plan with the approval of program director and the area coordinator.

- **HMGT 6322** Healthcare Cost Management and Control
- **HMGT 6327** Electronic Health Records Applications
- **HMGT 6329** Seminar in Healthcare Management
HMGT 6333 Ethics in Healthcare Management
HMGT 6334 Healthcare Analytics
or MIS 6324 Business Analytics with SAS
HMGT 6335 Spreadsheet Modeling and Analytics
HMGT 6336 Information Technology Audit and Risk Management
HMGT 6340 Principles of Hospital Administration
HMGT 6380 Internal Audit
HMGT 6382 Advanced Internal Auditing
HMGT 6V98 Healthcare Internship
HMGT 6V99 Special Topics in Healthcare Management
ACCT 6331 Cost Accounting
ENTP 6370 Innovation and Entrepreneurship
FIN 6301 Financial Management
MKT 6301 Marketing Management
MKT 6309 Marketing Data Analysis and Research
OB 6301 Organizational Behavior
OB 6307 Strategic Human Resource Management
OB 6321 Principles of Leadership
OB 6331 Power and Politics in Organizations
OPRE 6301 Statistics and Data Analysis

Areas of Concentration

As part of the MS in Healthcare Leadership and Management degree program, students have opportunities to focus in a specific area based on their interests and obtain an in-depth knowledge by taking three courses from the concentrations listed below.

Healthcare Informatics

For students desiring a strong background in the application of IT in the healthcare field.

HMGT 6323 Healthcare Informatics
HMGT 6327 Electronic Health Records Applications
HMGT 6334 Healthcare Analytics
or MIS 6324 Business Analytics with SAS

Students completing HMGT 6323, HMGT 6327, and HMGT 6334 may qualify for a Graduate Certificate in
Healthcare Information Technology.

**Healthcare Internal Auditing**

For students desiring an internal auditing career with a healthcare provider organization

- **HMGT 6336** Information Technology Audit and Risk Management
- **HMGT 6380** Internal Audit
- **HMGT 6382** Advanced Internal Auditing

**Healthcare Operations**

For students desiring a broad-based background in management of healthcare organizations.

- **HMGT 6322** Healthcare Cost Management and Control
  - or **HMGT 6334** Healthcare Analytics
- **HMGT 6325** Healthcare Operations Management
- **HMGT 6332** Quality Improvement in Healthcare: Six Sigma and Beyond

**Quality Improvement**

For students desiring a career in quality improvement in healthcare organization.

- **HMGT 6332** Quality Improvement in Healthcare: Six Sigma and Beyond
  - and a Six Sigma Green Belt Project

**Supply Chain Management**

For students desiring a career in supply chain management.

- **HMGT 6325** Healthcare Operations Management
  - or **OPRE 6302** Operations Management
- **OPRE 6362** Project Management in Engineering and Operations
- **OPRE 6371** Purchasing, Sourcing and Contract Management

**Certificate Programs - Lean Six Sigma in Healthcare Quality**

**Lean Six Sigma Yellow Belt in Healthcare Quality Certificate**

Lean Six Sigma is a framework used in improving quality by focusing on re-engineering the processes involved in delivering a product or service. The Six Sigma concept was introduced in the mid-1980s to improve manufacturing processes and it has evolved over many decades. Lean Six Sigma has become
popular in the service sector and increasingly is being applied to improve the quality of healthcare processes and reduce overall costs.

Faculty

Requirements

Students enrolled in the Master of Science in Healthcare Leadership and Management program or any other graduate programs have the opportunity to earn a Yellow Belt in Healthcare Lean Six Sigma by completing the following four courses with a grade of "B" or higher.

- **HMGT 6320** The American Healthcare System
- **HMGT 6321** Strategic Leadership of Healthcare Organizations
- **HMGT 6323** Healthcare Informatics
- **HMGT 6332** Quality Improvement in Healthcare: Six Sigma and Beyond

Note: Academic certificate programs follow the same application and admission processes as graduate degree programs. All dates and deadlines can be located in the UTD Academic Calendar. Failure to register in advance and on-time results in a late fee. Students may contact the JSOM advising office for details.

Lean Six Sigma Green Belt in Healthcare Quality Certificate

Lean Six Sigma is a framework used in improving quality by focusing on re-engineering the processes involved in delivering a product or service. The Six Sigma concept was introduced in the mid-1980s to improve manufacturing processes and it has evolved over many decades. Lean Six Sigma has become popular in the service sector and increasingly is being applied to improve the quality of healthcare processes and reduce overall costs.

Faculty

Requirements

Students enrolled in the Master of Science in Healthcare Leadership and Management program have the opportunity to earn a Green Belt in Healthcare Lean Six Sigma by completing the required course with a grade of "B" or higher followed by a Six Sigma project in a healthcare facility.

- **HMGT 6332** Quality Improvement in Healthcare: Six Sigma and Beyond

This opportunity is also available to other graduate students to earn a Green Belt in Lean Six Sigma by completing the required course with a grade of "B" or higher.

- **OPRE 6364** Lean Six Sigma

Required Project

Student will work in teams with other students to complete a project under the guidance of a coach to address the quality improvement issue at a healthcare or healthcare related, organization (for the Green Belt in Healthcare Lean Six Sigma) or in any organization (healthcare or not) for the Green Belt...
Healthcare Information Technology Certificate

The Graduate Certificate in Health Information Technology emphasizes practical concepts in healthcare IT and unique hands on experience gained using electronic medical records (EMR) software. The focus will be on identification and understanding the key information required for managing and working with healthcare information systems. It also demonstrates the use of analytics and software tools related to healthcare information to develop sound healthcare decisions, particularly the core functionalities the EMR software platform, including how to support clinical information workflows in a paperless environment, and the interconnectivity with other clinical and business systems.

Faculty

Associate Professor: Mehmet Ayvaci

Requirements

Students enrolled in the Master of Science in Healthcare Management program have the opportunity to earn a certificate by completing the required course with a grade of "B" or higher.

- **HMGT 6323** Healthcare Informatics
- **HMGT 6327** Electronic Health Records Applications
- **HMGT 6334** Healthcare Analytics

Note: Academic certificate programs follow the same application and admission processes as graduate degree programs. All dates and deadlines can be located in the UTD Academic Calendar. Failure to register in advance and on-time results in a late fee. Students may contact the JSOM advising office for details.