Naveen Jindal School of Management

Master of Science in Healthcare Leadership and Management

36 semester credit hours minimum

Faculty


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

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

**Associate Professors Emeriti:** J. Richard Harrison, Jane Salk

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

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

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

**Professors of Instruction:** Mary Beth Goodrich, Charles Hazzard, Chris Linsteadt, Luell (Lou) Thompson

**Associate Professors of Instruction:** Amal El-Ashmawi, María Hasenhuttl, Jennifer G. Johnson, Hubert Zydorek

**Assistant Professors of Instruction:** Julie Haworth, Daniel Karnuta, Victoria D. McCrady

**Professors of Practice:** Tiffany A. Bortz, Alexander Edsel, Rajiv Shah, Keith Thurgood

**Associate Professors of Practice:** Richard Bowen, Jackie Kimzey, Margaret Smallwood, Steven Solcher, Kathy Zolton
Assistant Professors of Practice: Edward Meda, Timothy Stephens

Senior Lecturers: Semiramis Amirpour, Thomas (Tom) Henderson, Joseph Mauriello, Prithi Narasimhan, Matt Polze, Robert Wright

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.

Students of the MS in Healthcare Leadership and Management Program gain a comprehensive understanding of healthcare organization and delivery through (9) healthcare-specific core courses (27 semester credit hours). Students have the option to focus in on a specific area based on their interests and obtain an in-depth knowledge in a specific industry domain through the remaining (3) elective courses (9 semester credit hours). 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).

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 and Operations 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

Students may choose any course with an HMGT prefix, excluding HMGT core courses, or any course from one or more concentrations in the following areas to obtain in-depth knowledge. Students may also take nine semester credit hours of master's-level courses from any unrestricted course/prefix offered within JSOM.

Areas of Concentration (Optional)

Healthcare Informatics (9 semester credit hours)

Students desiring a strong background in the application of IT in the healthcare field should consider the following courses:

- **HMGT 6327** Electronic Health Records Applications
- **HMGT 6334** Healthcare Analytics
  - or **MIS 6324** Business Analytics with SAS
- **OPRE 6301** Statistics and Data Analysis

Healthcare Internal Auditing (9 semester credit hours)

Students desiring an internal auditing career with a healthcare provider organization should consider the following courses:

- **HMGT 6336** Information Technology Audit and Risk Management
- **HMGT 6380** Internal Audit
- **HMGT 6393** Advanced Auditing

Quality Improvement (up to 9 semester credit hours)

Students desiring a career in quality improvement in healthcare systems should consider the following courses:

- **HMGT 6332** Quality Improvement in Healthcare: Six Sigma and Beyond
- **OPRE 6332** Spreadsheet Modeling and Analytics

Supply Chain Management (up to 9 semester credit hours)

For students desiring a career in supply chain management.

- **OPRE 6301** Statistics and Data Analysis
- **OPRE 6332** Spreadsheet Modeling and Analytics
- **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 is a collection of concepts that have evolved over many decades but was formally named (as Lean) only in the 1990s. Six Sigma was introduced in the mid-1980s. Both approaches were originally applied to improve manufacturing processes but have become popular in service industries. The two frameworks complement each other and are jointly referred to as Lean Six Sigma. In recent years, Lean Six Sigma and continuous improvement concepts have been applied to healthcare processes in both clinical and administrative areas with to improve patient safety, enhance the quality of care, 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 is a collection of concepts that have evolved over many decades but was formally named (as Lean) only in the 1990s. Six Sigma was introduced in the mid-1980s. Both approaches were originally applied to improve manufacturing processes but have become popular in service industries. The two frameworks complement each other and are jointly referred to as Lean Six Sigma. In recent years, Lean Six Sigma and continuous improvement concepts have been applied to healthcare processes in both clinical and administrative areas with to improve patient safety, enhance the quality of care, 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 Lean Six Sigma Green Belt in Healthcare Quality. Requirements include:

- Completion of **HMGT 6332** Quality Improvement in Healthcare: Six Sigma and Beyond with a grade of B or higher
- Payment of a fee (outside of standard tuition/fees)
- Completion of a practical project supervised by faculty

Required Project

Students will work in teams to complete a project under the guidance of a coach to address a quality improvement issue at a healthcare or healthcare-related organization for the Lean Six Sigma Green Belt in Healthcare Quality

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](https://catalog.utdallas.edu/2021/graduate/programs/jsom/healthcare-management). Failure to register in advance and on-time results in a late fee. Students may contact the JSOM advising office for details.

Please be aware that the opportunity to earn a GB certificate is not a guarantee as it is determined by the faculty securing a project within a healthcare setting. If we do not get a project, the ability to earn GB Certificate may not be available during the period of time the student is actively enrolled in the program.

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.

1. Students enrolled in the MS HCLM Program who have previously completed the MBA Program or are currently pursuing the MBA Program alongside the MS HCLM, may choose to substitute the following courses to fulfill the double degree plan: FIN 6301 in place of HMGT 6311 and MECO 6303 in place of HMGT 6331.

2. Students completing HMGT 6323, HMGT 6327, and HMGT 6334 may qualify for a Graduate Certificate in Healthcare Information Technology. See criteria and requirements to earn a graduate certificate.

3. Pursuit of Six Sigma Green Belt Project is recommended. See information and requirements of Green Belt Certificate Program.

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