

MS IN LEAN SYSTEMS

Lean thinking has emerged as a powerful approach for enhancing efficiency, reducing waste, and achieving operational excellence in both manufacturing and service industries. While other Lean programs focus primarily on manufacturing, the Master of Science in Lean Systems (MSLS) provides the knowledge and tools necessary to understand, implement, and lead Lean practices in a variety of organizational settings.

The Master of Science in Lean Systems (MSLS) provides students with a deep understanding of Lean principles, systems thinking, and their application across diverse industries. The program combines the core tenets of Lean methodology with cutting-edge systems engineering concepts to produce graduates who are adept at optimizing complex systems, driving operational excellence, and leading transformative change within organizations.

Program Structure: The MSLS program is typically structured over a span of two academic years and comprises a blend of core courses, elective courses, and a culminating capstone experience.

Code	Title	Credit Hours
MFGO-610	Foundations of Lean Organizations	4
MFGO-619	Six Sigma: Introduction to DMAIC	4
MFGO-633	Lean Production Systems	4
MFGO-635	Work Analysis for Lean Production Application	4
MFGO-639	Quality Assurance and Reliability	4
MFGO-649	Metrics for Lean Production Improvement	4
MFGO-659	Integrative Capstone Project	4
Total Credit Hours		28

Plus, one of the three-course graduate certificates listed below:

- Global Leadership
- Operations Management
- Lean Principles in Healthcare
- Management and Leadership
- Supply Chain Level I
- Supply Chain Level II