LEADERS FOR GLOBAL OPERATIONS MBA AND SM IN ENGINEERING

Master of Business Administration (or Master of Science in Management) and Master of Science in Operations Research

Leaders for Global Operations (*https://catalog.mit.edu/ interdisciplinary/graduate-programs/leaders-global-operations*)

MBA Program Requirements

MBA Coursework [1]

15.002	Leadership Challenges for an Inclusive World [2]	1
15.010	Economic Analysis for Business Decisions	9
15.280	Communication for Leaders	9
15.311	Organizational Processes	9
15.515	Financial Accounting	9
MBA Core Elective		**9**
Select one of the following subjects:		
15.401	Managerial Finance	
15.814	Marketing Innovation	
15.900	Competitive Strategy	
Leaders for Global Operations Content		
15.086	Engineering Probability	3
15.316	Building and Leading Effective Teams	4
15.317	Leadership and Organizational Change [3]	12
15.761	Introduction to Operations Management [4]	9
15.769	Operations Strategy	9
15.792[J]	Global Operations Leadership Seminar [5]	4
15.794	Research Project in Operations [6]	18
One 3-unit subject in lean operations		3
One 3-unit practical leadership subject		3
One 6-unit plant tour and partner integration subject		6
Unrestricted Electives		
Select at least 40 units of graduate-level subjects. No more than three subjects can be taken in departments other than Management. [7]		40
Total Units		**157**

[1] LGO students do not take 15.060 Data, Models, and Decisions in the MBA core.

[2] LGO students must complete Ethics Module only of MBA Core LEAD Requirement.

[3] Taken during the first summer and final spring for 6 units each, with deliverables during LGO internship on-site period.

[4] For Operations Research students, this subject is usually approved as an OR Elective.

[5] This 2-unit subject is taken twice during the program.

[6] Taken over multiple terms for a total of 18 units.

[7] Operations Research students must take 15.066[J] System Optimization and Analysis for Operations and 15.087 Engineering Statistics and Data Science as part of their electives.

SM in Operations Research Program Requirements

Operations Research Required Subjects

15.095	Machine Learning Under a Modern Optimization Lens [1]	12
6.3702	Introduction to Probability	12
or 6.7700[J]	Fundamentals of Probability	
15.C57[J]	Optimization Methods	12
or 6.7210[J]	Introduction to Mathematical Programming	
Operations Research Electives [2]		**30**
Four OR-focused graduate subjects, chosen in consultation with advisor		
Thesis		
Thesis (X.THG) [3]		24
Total Units		**90**

[1] This subject can be substituted with another suitable statistics subject (e.g., 6.7900 Machine Learning, 6.7910[J] Statistical Learning Theory and Applications, 14.382 Econometrics) with approval of advisor.

[2] The number of units for Operations Research Electives represents the minimum requirement. Actual units may be higher based on the subjects chosen. Generally includes 15.761 of the LGO required curriculum.

[3] All LGO students must fulfill the 24#unit minimum dual-degree thesis requirement based on the internship. By incorporating management and engineering content from the respective specialty, students fulfill the thesis requirement for the Master of Business Administration (or Master of Science in Management) and the Master of Science in the engineering specialty. The thesis units are applied to the home department (through which the student applied to LGO) and the thesis subject number registration depends on the student's primary department. Consult the LGO program guide or program officer prior to thesis registration.