LEADERS FOR GLOBAL OPERATIONS MBA AND SM IN ENGINEERING

Master of Business Administration (or Master of Science in Management) and Master of Science in Nuclear Science and Engineering

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

MBA Program Requirements

MBA Coursework

15.002 Leadership Challenges for an Inclusive World 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

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
15.761 Introduction to Operations Management 4
15.769 Operations Strategy 9
15.792 Global Operations Leadership Seminar 5
15.794 Research Project in Operations 6

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

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.

SM in Nuclear Science and Engineering Program Requirements

LGO Required Engineering Subjects

15.066 System Optimization and Analysis for Operations 12
15.087 Engineering Statistics and Data Science 12

One 3-unit subject in Python 1

NSE Required Subjects

Two specialized subjects in NSE 2

Select two of the following subjects:

22.11 Applied Nuclear Physics 12
22.12 Radiation Interactions, Control, and Measurement
22.13 Nuclear Energy Systems
22.14 Materials in Nuclear Engineering
22.15 Essential Numerical Methods
22.16 Nuclear Technology and Society

Engineering Electives

Any graduate subject in engineering 3, 4 6

Thesis (X.THG) 5 24

Total Units 90

1 This subject is taught at the undergraduate level and does not count toward the units required for the degree.
2 Recommended fields of specialization include nuclear reactor engineering, nuclear reactor physics, nuclear materials, fusion, nuclear security policy, and nuclear science and technology.
3 The number of units for Engineering Electives represents the minimum requirement. Actual units may be higher based on the subjects chosen.
4 Consult department for restrictions.
5 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.

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.