**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 ([https://catalog.mit.edu/interdisciplinary/graduate-programs/leaders-global-operations](https://catalog.mit.edu/interdisciplinary/graduate-programs/leaders-global-operations))

### MBA Program Requirements

<table>
<thead>
<tr>
<th>MBA Coursework</th>
<th>Description</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>15.002</td>
<td>Leadership Challenges for an Inclusive World</td>
<td>1</td>
</tr>
<tr>
<td>15.010</td>
<td>Economic Analysis for Business Decisions</td>
<td>9</td>
</tr>
<tr>
<td>15.280</td>
<td>Communication for Leaders</td>
<td>9</td>
</tr>
<tr>
<td>15.311</td>
<td>Organizational Processes</td>
<td>9</td>
</tr>
<tr>
<td>15.515</td>
<td>Financial Accounting</td>
<td>9</td>
</tr>
</tbody>
</table>

#### MBA Core Elective

Select one of the following subjects:

- 15.401 | Managerial Finance | 3
- 15.814 | Marketing Innovation | 3
- 15.900 | Competitive Strategy | 3

#### Leaders for Global Operations Content

- 15.086 | Engineering Probability | 3
- 15.316 | Building and Leading Effective Teams | 4
- 15.317 | Leadership and Organizational Change | 12
- 15.761 | Introduction to Operations Management | 9
- 15.769 | Operations Strategy | 9
- 15.794 | Research Project in Operations | 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.

### 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.

### SM in Nuclear Science and Engineering Program Requirements

#### LGO Required Engineering Subjects

<table>
<thead>
<tr>
<th>Subject</th>
<th>Description</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>15.066[J]</td>
<td>System Optimization and Analysis for Operations</td>
<td>12</td>
</tr>
<tr>
<td>15.087</td>
<td>Engineering Statistics and Data Science</td>
<td>12</td>
</tr>
</tbody>
</table>

One 3-unit subject in Python

### NSE Required Subjects

Two specialized subjects in NSE

Select two of the following subjects:

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

### Engineering Electives

Any graduate subject in engineering

### Thesis

Thesis (X.THG)

### 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.