# Master of Science in Transportation

**Program Description**
[http://catalog.mit.edu/interdisciplinary/graduate-programs/transportation](http://catalog.mit.edu/interdisciplinary/graduate-programs/transportation)

## Core Subjects

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>11.251</td>
<td>Frontier of Transportation Research</td>
<td>3</td>
</tr>
</tbody>
</table>

Select one of the following:
- 1.202: Demand Modeling
- 1.208: Resilient Networks
- 1.260[J]: Logistics Systems
- 11.478: Behavioral Science, AI, and Urban Mobility

## Computation/Analytics

Select one of the following:
- 6.3732[J]: Statistics, Computation and Applications
- 6.7900: Machine Learning
- 6.7910[J]: Statistical Learning Theory and Applications
- 6.C51: Modeling with Machine Learning: from Algorithms to Applications
- 15.071: The Analytics Edge
- 15.072: Advanced Analytics Edge

## Policy, Technology, and Society

Select one subject from the list below.

Select a minimum of 24 units of transportation related electives in consultation with advisor.

## Thesis

Students must complete a research-based thesis on a topic of their choice that has been approved by the thesis advisor.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.THG</td>
<td>Graduate Thesis</td>
<td>24</td>
</tr>
</tbody>
</table>

## Total Units

93-99

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1 Credit cannot be earned unless 6.C51 and 1.C51 are completed at the same time.

2 Special subjects offered by the Department of Urban Studies and Planning (Course 11) may satisfy this requirement if content satisfies MST criteria. Contact program office for available offerings.

3 Requests to waive this requirement based on prior coursework must be submitted in writing to the Transportation Education Committee (TEC) executive director.