Interdepartmental Doctoral Program in Transportation Approval Form
Form Completion Instructions

1. Student downloads form.
2. After completing form, student obtains the signature of their advisor. We recommend using http://docusign.mit.edu/ to obtain all signatures. Instructional video to be found here: https://bit.ly/cee-docusign
3. Student submits signed completed form through Jot Form here: https://form.jotform.com/201686539462059
Interdepartmental Doctoral Program in Transportation Approval Form

Candidate Name: ________________________________________________________________

Doctoral Core Program: Please select BASE + ONE of Five Areas of Focus

Base

  Transportation System Analysis: 1.200 + one of (1.202, 1.208, 1.260 and 11.478)

Five Areas of Focus

1. Demand: If 1.202 is NOT used in the TSA base: 1.202 and (1.205 or 14.382)
   If 1.202 is used in the TSA base: 1.205 and (14.382 or (14.380+14.381)
   Note for either selection (14.380+14.381) and 14.382 can be replaced with one of the following more advanced subjects: 14.384, 14.385, and 14.386
   a. 1.202 Demand Modeling
   b. 1.205 Advanced Demand Modeling
   c. 14.382 Econometrics
   e. 14.384 Time Series Analysis
   f. 14.385 Nonlinear Econometric Analysis
   g. 14.386 New Econometric Methods

2. Performance and Optimization: (1.203 or 6.262) and (15.093 or 15.081 or 6.246)
   b. 15.093 Optimization methods OR 15.081 Introduction to Math Programming OR 6.246 Reinforcement Learning: Foundations and Methods

2. Planning and Policy: two of 11.478, 11.526, 11.540 [written exam required for this area]
   a. 11.478 Behavioral Science and Urban Mobility
   b. 11.526 Comparative Land Use and Transportation Planning
   c. 11.540 Urban Transportation Planning

3. Networks: (1.208 or 6.268) and (15.083 or 15.094)
   a. 1.208 Resilient Networks or 6.268 Network Science and Models
   b. 15.083 Integer Programming and Combinatorial Optimization or 15.094/1.142J Robust Modeling, Optimization, and Computation

4. Logistics: If 1.260 is NOT used in the TSA base, 1.260 and (15.764 or (15.762 + 15.763)). If 1.260 is used in the TSA base, 15.764 and (15.762 + 15.763)
   a. 1.260 Logistics Systems
   b. 15.764 The Theory of Operations Management
   c. 15.762[J] Supply Chain Planning and 15.763[J] Manufacturing System and Supply Chain Design
## Proposed General Exam Subjects
(List all subjects, total units including General Exam should equal 120)

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<thead>
<tr>
<th>Subject Number</th>
<th>Subject Title</th>
<th>Term Taken</th>
<th>Units</th>
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<tbody>
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<td>Base 1.200</td>
<td>Transportation: Foundations and Methods</td>
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## Proposed Doctoral Program
(List all subjects, total units including General Exam should equal 120)

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**Total Units: __________________**

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**Candidate’s Signature**

**Date**

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**Faculty Advisor’s Signature**

**Date**

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**Professor Saurabh Amin**

**Date**

**Co-Chair of the Interdepartmental Program in Transportation**

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*Subjects taken for a Master of Science in Transportation at MIT will be counted towards the 120 unit requirement. Upon completion please submit form through Jot Form at [https://form.jotform.com/201686539462059](https://form.jotform.com/201686539462059)*