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, 6.7260 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 6.7710) and (15.093 or 15.081 or 6.7950)
   b. 15.093 Optimization methods OR 15.081 Introduction to Math Programming OR 6.7950 Advanced Topics in Control (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 6.7260) and (15.083 or 15.094)
   a. 1.208 Resilient Networks or 6.7260 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
Fill in the selected subjects from your BASE + Area of Focus

**Proposed General Exam Subjects** (List all subjects, total units including General Exam should equal 120)

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<tr>
<th>Subject Number</th>
<th>Subject Title</th>
<th>Term Taken</th>
<th>Units</th>
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<td>Base</td>
<td>1.200 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: __________________

______________________________________________________________

Candidate’s Signature  
Date

Faculty Advisor’s Signature  
Date

Transportation Director’s Signature  
Date

*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://cee.mit.edu/resources/](https://cee.mit.edu/resources/)*