MASTER OF SCIENCE IN TRANSPORTATION

Master of Science in Transportation Program Description (*http://catalog.mit.edu/interdisciplinary/graduate-programs/transportation*)

Core Subjects		
1.200[J]	Transportation: Foundations and Methods	12
11.251	Frontier of Transportation Research	3
Select one of the following:		12
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:		12
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 [1]	
15.071	The Analytics Edge	
15.072	Advanced Analytics Edge	
Policy, Technology, and Society [2, 3]		
Select one subject from the list below.		6-12
Transportation Subject Electives		
Select a minimum of 24 units of transportation related electives in consultation with advisor.		24
Thesis		
Students must complete a research-based thesis on a topic of their choice that has been approved by the thesis advisor.		
1.THG	Graduate Thesis	24
Total Units		**93-99**

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.*

Policy, Technology, and Society Subjects

2.65[J]	Sustainable Energy	12
2.810	Manufacturing Processes and Systems	12
6.7260	Network Science and Models	12
10.805[J]	Technology, Law, and the Working Environment	9
11.255	Negotiation and Dispute Resolution in the Public Sector	12
11.478	Behavioral Science, AI, and Urban Mobility	12
11.526[J]	Comparative Land Use and Transportation Planning	12
11.540	Urban Transportation Planning and Policy	12
15.020	Economics of Energy, Innovation, and Sustainability	12
15.038[J]	Energy Economics and Policy	12
15.230	Public Policy and the Private Sector	9
15.655[J]	Law, Technology, and Public Policy	12
16.422	Human Supervisory Control of Automated Systems	12
16.453[J]	Human Systems Engineering	12
16.71[J]	The Airline Industry	12
16.72	Air Traffic Control	12
16.89[J]	Space Systems Engineering	12
MAS.552[J]	City Science	12
MAS.750	Human-Robot Interaction	9
MAS.836	Sensor Technologies for Interactive Environments	12
MAS.859	Space Technology for the Development Leader	6
IDS.333[J]	Risk and Decision Analysis	6
IDS.410	Modeling and Assessment for Policy	9
IDS.411	Concepts and Research in Technology and Policy	9
IDS.412[J]	Science, Technology, and Public Policy	12
IDS.521[J]	Energy Systems for Climate Change Mitigation	12
IDS.522	Mapping and Evaluating New Energy Technologies	12
IDS.526[J]	Sustainability Science and Engineering	9
STS.477[J]	Writing: Science, Technology, and Society	12
STS.487	Foundations of Information Policy	12