



Name: _____ Student ID: _____

Concentration: _____

The MS program in Sustainable Transportation and Logistics is a 30-credit, 3-semester program (if completed full-time) and requires a minimum GPA of 3.0 every semester. The degree culminates in one of three options:

- 1. Comprehensive Exam (0-credit exam, all-course option)
- 2. Master's Thesis (6 credit)
- 3. Master's Project (3 credits)

Students, with the approval of their permanent advisor, have the opportunity to choose which culminating experience they want to complete to fulfill degree requirements. By the end of the first semester, students should find a permanent major advisor and map out their intended coursework for the remainder of their program. This form should be fully completed and signed by both the student and advisor to confirm approval of courses indicated below for satisfying MS degree requirements, and that the culminating experience has also been selected.

Course # (ex STL 999)	Course Name (ex Intro to Sustainable Transportation)	Anticipated Term (Ex Fall 2019)

Culminating Experience (check one): Exam Thesis Project

Expected Graduation Date (check one) June 1 Aug 31 Feb 1

Advisor Name (print): _____

Advisor Signature: _____ **Date** _____

Student Signature: _____ **Date** _____

Core Courses: ALL 5 must be completed			
STL 501 (MGO 638)	Logistics and Distribution Management		Spring
IE 500	Optimization and Resource Planning		Fall
STL 503 (MGO 636)	Supply Chains: Design, Modeling and Optimization		Fall
STL 504	Transportation Analytics **		Fall
STL 505	Transportation Systems Modeling Fundamentals		Fall

Electives: Students will choose 3-5 (varies based on culminating experience)			
CIE 536	Traffic Operations and Design	Transportation Elective	Spring
CIE 537	Traffic Flow Theory	Transportation Elective	
CIE 538	Discrete Choice Modeling	Transportation Elective	Spring
CIE 576	Highway Geometric Design	Transportation Elective	Spring
CIE 631	Transportation Networking Analysis	Transportation Elective	Spring
CIE 632	Transportation Systems Management and Control	Transportation Elective	
IE 603	Location Theory	Transportation Elective	
E 573	Discrete Optimization	Transportation Elective	Spring
IE 575	Stochastic Methods	Transportation Elective	Fall
IE662	Queuing Theory	Transportation Elective	
IE 677	Network Optimization	Transportation Elective	Fall
MGO 615	Econometric Methods and Managerial Applications I	Logistics Elective	Fall
MGO 616	Econometric Methods and Managerial Applications II	Logistics Elective	Spring
MGO 617	Service Operations & Healthcare Supply Chains	Logistics Elective	Fall
MGO 619	Business Forecasting	Logistics Elective	Spring
MGO 631	Production and Inventory Planning	Logistics Elective	Fall
MGO 633	Supply Chain and Global Operations	Logistics Elective	Spring
MGO 637	Purchasing and Global Supply Chain Management	Logistics Elective	Spring
MGO 639	Sustainable Operations	Logistics Elective	Spring
IE 572	Linear Programming	Logistics Elective	Fall
IE 675	Game Theory	Logistics Elective	Fall
STL 520	Emerging Practices in Transportation	General Elective	Fall
IE 678	Urban Operations Research	General Elective	Spring
CSE 503	Computer Science for Non-Majors I	General Elective	Fall
CSE 504	Computer Science for Non-Majors II	General Elective	Fall
CSE 604	Data Mining and Bioinformatics	General Elective	Fall
CIE 633	Statistical & Econometric Methods **	General Elective	Fall

Culminating Experience: Choose 1			
STL 559	Master's Project	3-credits	Fall/Spring
STL 560	Master's Thesis	6-credits	Fall/Spring

Students can choose to take CIE 633 as a core place in place of STL 504, or take the course as a general elective that will count towards either concentration