

Name
Student #
Admitted Quarter / Year
Faculty Advisor

***Civil & Environmental Engineering***  
**Thesis Option—Master's Degree Requirements (2016)**  
***Transportation***

**Program Plan**

Autumn Qtr	Credits	Winter Qtr	Credits	Spring Qtr	Credits	Summer Qtr	Credits
<b>QTR CREDITS =</b>		<b>QTR CREDITS =</b>		<b>QTR CREDITS =</b>		<b>QTR CREDITS =</b>	

Use a second sheet  
if additional  
quarters are  
needed.

**TOTAL CREDITS = \_\_\_\_\_**

\_\_\_\_\_  
Student Date

\_\_\_\_\_  
Faculty Date

*Submit your approved Program Plan to the Graduate Advising Office, 201 More Hall, by the end of your first quarter. Updates may be made as needed.*

*Students are responsible for insuring all degree requirements are met. The Advising Office does not conduct a degree audit until you have applied to graduate.*

## MASTER'S THESIS OPTION

- ☐ 30 credits of course work
- ☐ 3 credits CEE 500 Seminar (see below for details)
- ☐ 9 credits of CEE 700, Master's Thesis  
(thesis credits from another department do not count)

### 42 Total Credits Required

#### REQUIRED COURSES

- ☐ IND E 315 or STAT 390 (or equivalent), 3/4 CR (AUT, WIN, SPR)
- ☐ CEE 327 Introduction to Transportation (WIN, SPR) (or equivalent), is required, which can be completed concurrently while in the program. This course does not count toward a graduate degree.
- ☐ CEE 500 Seminar, 3 CR to include:  
2 credits CEE 500 Transportation Seminar (Aut & Win) and  
1 credit CEE 500 Departmental Seminar
- ☐ CEE 584—Analytical Methods in Transportation I (WIN) is required. This requirement may be satisfied by an alternative quantitative course, approved by the transportation faculty listed below:
  - ☐ ECON 482 Econometric Theory and Practice
  - ☐ GEOG 426 Advanced Quantitative Methods
  - ☐ INDE 424 Simulation
  - ☐ INDE 521 Quality Control in Manufacturing
  - ☐ STAT 421 Applied Statistics and Experimental Design
  - ☐ STAT 423 Applied Regression and Analysis of Variance
  - ☐ STAT 486 Experimental Design

#### Minimum one course from each of the following key areas:

- ☐ Planning: CEE 580 Urban Transportation Planning & Design (AUT/SPR) or  
CEE 581 Travel Demand Forecasting (SPR)
- ☐ Operations and ITS: CEE 590 Traffic Systems Operations (AUT) or  
CEE 599 Transportation Data Management and Analysis (WIN)
- ☐ Freight and Logistics: CEE 591 Freight Transportation (AUT) or  
CEE 587 Freight Transportation and Logistics (SPR)

Refer to the Transportation Area Requirements form for more detailed information: <http://www.ce.washington.edu/students/masters.html>

## Civil & Environmental Engineering Thesis Option—Master's Degree Requirements (2016) Transportation Engineering

#### ADDITIONAL REQUIREMENTS

- ☐ 18 credits of 500 level coursework (not counting seminars)
- ☐ Minimum 18 credits 400-500 level coursework taken for a numeric grade
- ☐ All CEE classes (except Seminars) taken for a numeric grade
- ☐ 3 credits of CEE 600 Independent Study does not count
- ☐ Minimum 3 coursework credits outside CEE (IND E 315 or STAT 390 can fulfill this requirement)
- ☐ 499 credits do not count toward a graduate degree
- ☐ 3.0 minimum cumulative GPA
- ☐ 2.7 minimum grade for a class to count

Students may choose from the following list of electives and may also take classes outside the CEE department as long as they meet the degree requirements, and the program plan has been approved by their faculty advisor.

#### OPTIONAL COURSES

- ☐ CEE 404 Infrastructure Construction, 4 CR (WIN)
- ☐ CEE 410 Traffic Engineering Fundamentals, 3 CR (WIN)
- ☐ CEE 421 Pavement Design, 3 CR (SPR)
- ☐ CEE 424 GIS for Civil Engineers, 3 CR (AUT)
- ☐ CEE 441 Transportation & Construction Capstone, 4 CR (SPR)
- ☐ CEE 498 Roadway Geometric Design, 4CR (WIN)
- ☐ CEE 498 Traffic Simulation, 3CR (SPR)
- ☐ CEE 582 Intelligent Transportation Systems, 3 CR (AUT)
- ☐ CEE 583 Transportation Energy and Sustainability, 3 CR (SPR)
- ☐ CEE 586 Pedestrian Travel, Land Use and Urban Form, 3 CR (SPR)
- ☐ CEE 588 Energy Infrastructure & the Environment, 3 CR (AUT)
- ☐ CEE 589 Transit Systems Planning, 3 CR (SPR)
- ☐ CEE 599 Travel Survey Methods, 3 CR (SPR)
- ☐ CEE 585 Analytical Methods in Transportation II, 3 CR (Not offered 2016-2017)

This course list is subject to change. Please refer to the UW Time Schedule as it becomes available for up-to-date information.

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**Transportation Engineering**

## Checklist

### *First Quarter:*

- ☐ Submit your approved program plan to the Graduate Advising Office, 201 More Hall by the end of your first quarter.

### *Final Quarter:*

- ☐ Read Graduate School master's degree requirements and policies at:  
<http://grad.uw.edu/policies-procedures/masters-degree-policies/>
- ☐ Register for a minimum of 2 credits. Maintain registration through the end of the graduation quarter.
- ☐ Review Graduate School Dates and Deadlines:  
<http://grad.uw.edu/for-students-and-post-docs/dates-and-deadlines/>
- ☐ Submit *Master's Degree Request* by deadline at:  
<http://grad.uw.edu/for-students-and-post-docs/mygrad-program/>
- ☐ Read procedures regarding electronic thesis submission:  
<http://grad.uw.edu/for-students-and-post-docs/thesisdissertation/>
- ☐ In conjunction with your committee, arrange for your master's defense and notify Graduate Advisor of details, sending abstract to them at least one week before defense date. Deadline for defense is 5:00 PM the last day of the quarter.
- ☐ Electronically submit your thesis and approval form to the Graduate School by 11:59 pm the last day of the quarter. Note: If you have some minor formatting changes and are unable to submit your thesis by the deadline, you may be eligible to pay the \$250 Registration Waiver Fee for a two week extension. However, your degree would not be conferred until the end of the following quarter. For more information go to:  
<https://grad.uw.edu/policies-procedures/general-graduate-student-policies/graduate-registration-waiver-fee/>
- ☐ If you will not be continuing on to the PhD, submit the **CEE Final Check-out form** to the Graduate Advising Office and the **CEE Exit Survey** prior to exiting the department. The forms are available on the department website, at  
<http://www.ce.washington.edu/students/masters.html>