

Name:	Student ID Number:
Qtr./Year Expected to Adv. Candidacy:	Email Address:
Qtr./Year Expected to Graduate:	GPA:
Thesis or Non-Thesis Option:	Thesis Advisor:

Course Title	Course Number	Units	Grade	Qt/Yr	Non-thesis (48 units total)	Thesis (48 units total)
Travel Demand Analysis I	CEE 220A	4			<p><u>Core Courses</u> 28 out of 48 units Students must fulfill a minimum of <b>28</b> units comprised of the core courses listed to the left and below:</p> <p>Students must complete all four courses to the left, and at least 3 of the following courses:            CEE 224A ← Data Analysis            CEE 226A or 226B (not both) ← Traffic Flow            CEE 229A or 229B (not both) ← Traffic Control            CEE 283** ← Engineering Math            **Not required for students who earned at least a B- (or equivalent) in Differential Equations AND Linear Algebra on prior transcript(s).</p>	
Transportation Systems Analysis I	CEE 221A	4				
Urban Transportation Networks I	CEE 228A	4				
Transportation Systems Planning	CEE 223	4				
Total Units for <b>THIS SECTION:</b>						
Course Title	Course Number	Units	Grade	Qt/Yr	Electives 12 out of 48 units Students must fulfill a minimum of <b>12</b> elective units from graduate courses listed on page 2.	MS Thesis Research 10 out of 48 units Students can fulfill a maximum of <b>10</b> units of <u>CEE 296: MS Thesis Research</u> .
Total Units for <b>THIS SECTION:</b>						
Course Title	Course Number	Units	Grade	Qt/Yr	Seminars/Other 8 out of 48 units <b>Required: 3</b> units of <u>CEE 295: Seminars in CEE</u> . <b>Max. of 3</b> units apply to degree requirements.  Options for the remaining <b>5</b> units: • Approved graduate-level courses <i>see page 2</i> • <u>CEE 299 Individual Research</u> units • Approved upper-division undergraduate units. <b>10 units max</b>	Seminars/Other 10 out of 48 units <b>Required: 3</b> units of <u>CEE 295: Seminars in CEE</u> . <b>Max. of 3</b> units apply to degree requirements.  Options for the remaining <b>7</b> units: • Approved graduate-level courses <i>see page 2</i> • <u>CEE 299 Individual Research</u> units • Approved upper-division undergraduate units. <b>10 units max</b>
Total Units for <b>THIS SECTION:</b>						
Total Units for <b>ALL SECTIONS:</b>						

**SIGNATURES:**

**MS THESIS COMMITTEE MEMBERS:**

STUDENT:	DATE:	CHAIR:
TRANSPORTATION FOCUS AREA ADVISOR:	DATE:	MEMBER:
CEE GRADUATE ADVISOR:	DATE:	MEMBER:



This form must be submitted to the Grad. Coordinator by the end of the **FIRST** quarter of enrollment. Changes to this form **MUST** be approved by the Transportation Focus Area Advisor, Professor Michael Hyland, [hylandm@uci.edu](mailto:hylandm@uci.edu)

CEE Courses:	<b>Non-CEE Courses (Electives Cont.):</b> Please check individual Department schedules to confirm course offerings.
ENGRCEE 214 GIS for CEE (F) <sup>1</sup> ENGRCEE 220A Travel Demand Analysis I (F) ENGRCEE 220B Travel Demand Analysis II (W) ENGRCEE 220C Travel Demand Analysis III (*) ENGRCEE 221A Transportation Systems Analysis I (F) ENGRCEE 221B Transportation Systems Analysis II (W) ENGRCEE 221C Transportation Systems Analysis III (S) ENGRCEE 222 Transit Systems Planning (*) ENGRCEE 223 Transportation Systems Planning (S) ENGRCEE 224A Transportation Data Analysis I (W) ENGRCEE 225A Transportation Planning Models I (*) ENGRCEE 225B Transportation Planning Models II (*) ENGRCEE 226A Traffic Flow Theory I (F) ENGRCEE 226B Traffic Flow Theory II (*) ENGRCEE 228A Urban Transportation Networks I (S) ENGRCEE 228B Urban Transportation Networks II (*) ENGRCEE 229A Traffic Systems Operations & Control I (W) ENGRCEE 229B Traffic Systems Operations & Control II (*) ENGRCEE 283 Mathematical Methods in Eng. Analysis (F) ENGRCEE 296 MS Thesis Research (F, W, S) ENGRCEE 298 Infrastructure Eqty (*) ENGRCEE 298 Energy Data & Model (*) ENGRCEE 298 Trans Data Anlys II (F) ENGRCEE 298 Innovation in Transportation (*) ENGRCEE 298 Traffic Flow III (S) ENGRCEE 299 Individual Research (F, W, S)	ECON 243A Game Theory ECON 243B Advanced Game Theory ECON 281A Urban Economics ECON 281B Urban Economics II ECON 282A Transportation Economics I ECON 282B Transportation Economics II (S18) EECS 215 Design and Analysis of Algorithms EECS 227 Cyber-Physical System Design EECS 240 Random Processes EECS 242 Information Theory EECS 260A Linear Systems I ENGR 280 Entrepreneurship for Scientists and Engineers MGMTMBA 208 Operations Management MGMTMBA 285 Supply Chain Management MGMTPHD 297Q Game-Theoretic Models for Mgmt. Res. MGMTPHD 297T Decision Theory MATH 225B Intro to Numerical Anal. & Scientific Computing ENGRMAE 206 Nonlinear Optimization Methods ENGRMAE 214A Fuel Cell Fundamentals and Technologies UPPP 202 History of Urban Planning UPPP 207 Land-Use Law UPPP 231 Transportation and Environmental Health UPPP 235 GIS Problem Solving in Planning <sup>1</sup> UPPP 244 Land-Use Policy PUBHLTH 260 Human Exposure Modeling SOCECOL 272A Structural Equation Modeling I STATS 245 Time Series Analysis STATS 260 Inference with Missing Data STATS 262 Theory and Practice of Sample Surveys STATS 270 Stochastic Processes
<b>Non-CEE Courses (Electives):</b> Please check individual Department schedules to confirm course offerings.	
CRM/LAW C207 Land Use Law BANA 212 Data and Programming for Analytics BANA 295 Big Data Management Systems COMPSCI 206 Principles of Scientific Computing COMPSCI 244P Introduction to the Internet of Things COMPSCI 261 Data Structures COMPSCI 268 Introduction to Optimization Modeling COMPSCI 273A Machine Learning COMPSCI 274C Neural Networks and Deep Learning EARTHSS 212 Geoscience Modeling and Data Analysis	

(F): Fall Quarter; (W): Winter Quarter; (S): Spring Quarter; (\*): Not offered in 2025-2026

<sup>1</sup>: Students can count either CEE 214 (GIS) or UPPP 235 (GIS) toward degree requirement, **BUT NOT BOTH.**

The following can **ONLY** be included with **prior** approval of the Transportation Focus Area Advisor, Professor Michael Hyland: [hylandm@uci.edu](mailto:hylandm@uci.edu)

- Upper-division undergraduate courses and/or non-CEE graduate courses (outside of those listed above). Include a description of the course in your email request to Professor Michael Hyland.
- MS Thesis Research units can be extended to 16 units. You must email your request to Professor Michael Hyland.