Civil & Environmental Engineering Non-Thesis Master's Degree Requirements (2016) Transportation Engineering

Students may choose from this list of courses 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.			
This course list is subject to change. Please refer to the UW Time Schedule as it becomes available for up-to-date information.			
REQUIRED COURSES			
☐ IND E 315 or STAT 390 (or equivalent), 3/4 CR (AUT, WIN, SPR)			
☐ 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 (WIN) is required. This			
requirement may be satisfied by an alternative quantitative course, approved by the transportation faculty listed below:			
O ECON 482 Econometric Theory and Practice			
O GEOG 426 Advanced Quantitative Methods			
O INDE 424 Simulation			
O INDE 521 Quality Control in Manufacturing			
O STAT 421 Applied Statistics and Experimental Design			
O STAT 423 Applied Regression and Analysis of Variance O STAT 486 Experimental Design			
CEE 600 Independent Study (Research Report), 3 CR (AUT, WIN, SPR)			
☐ CEE 601 Internship, 6 CR total (AUT, WIN, SPR) - PacTrans Interns only			
CEE 601 Internship, 6 CR total (A01, WIN, SPR) - Pactrans interns only			
One course from each of the following key areas:			
Planning: 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)			

VETAILED DEGREE REQUIREMENTS (See Transportation Master's Degree Requirements orm for more details)				
Non-Thesis Track 36 coursework credits 3 credits CEE 600 (Research Report) 3 credits CEE 500 Seminar			PacTrans Internship Track 30 coursework credits 3 credits CEE 600 (Research) 3 credits CEE 500 Seminar	
42 TOTAL CREDITS REQUIRED				
ADDITIONAL REQUIREMENTS				
		18 credits of 500 level coursework (not counting seminars)	
		Minimum 18 credits 400-500 level of	oursework taken for a numeric grade	
		All CEE classes (except Seminars) ta	ken for a numeric grade	
		3 credits of CEE 600 Independent St	udy (3 credits maximum)	
		3.0 minimum grade for research rep	port (CEE 600)	
		Minimum 3 coursework credits outs requirement)	side CEE (IND E 315 or STAT 390 can meet this	
499 credits do not count toward a graduate degree			raduate degree	
	3.0 minimum cumulative GPA			
	2.7 minimum grade for a class to count			
OPTIONAL COURSES (Course list subject to change, refer to the UW Time Schedule				
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		CEE 410 Traffic Engineering Fundaments, 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 (SPF		
		CEE 580 Urban Transportation Planr		
		CEE 582 Intelligent Transportation S	,	
		☐ CEE 585 Analytical Methods in Transportation II, 3 CR (SPR)		
	_	CEE 586 Pedestrian Travel, Land Use		
	_	CEE 588 Energy Infrastructure & the		
	Ц	CEE 589 Transit Systems Planning, 3	CK (SPK)	

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