

SPECIALIZATION IN TRANSPORTATION PLANNING

Electives	2-4
Total units	72

Program Learning Objectives

1. Identify and articulate the range of issues and problems associated with urban transportation.
2. Identify the primary analytic methods used in urban transportation planning.
3. Identify the ranges of solutions and policy options used to address the problems and issues associated with urban transportation.
4. Identify and articulate the key issues that drive transportation policy.
5. Understand driver behavior, traffic characteristics, traffic operations, highway capacity and level of service, and operational considerations for the design of traffic facilities.
6. Articulate the interdependency between transportation and land use.
7. Develop travel demand forecasts and analyze transportation models.
8. Estimate the impacts of changes in land use and transportation infrastructure in terms of various performance measures.
9. Formulate a plan to achieve sustainability goals through transportation system planning

Required Courses

First Year		
CRP 501	Foundations of Cities and Planning	4
CRP 504	Sustainable Communities	4
CRP 510	Planning Theory	4
CRP 512	Introduction to Visual Communication and GIS	4
CRP 513	Planning Research and Analysis	4
CRP 516	Demographic and Analytic Tools	4
CRP 525	Plan Implementation	4
CRP 553	Project Planning and Design Studio	4
Second Year		
CRP 518	Policy Development	4
CRP 530	Planning Agency Management	4
CRP 535	Land Use and Planning Law	4
CRP 552	Community and Regional Planning Studio I	4
CRP 554	Community and Regional Planning Studio II	4
Select one of the following options:		4-6
CRP 556	Community and Regional Planning Studio III (4)	
CRP 596	Professional Project (2, 2, 2)	
CRP 599	Thesis (2, 2, 2)	
Required Specialization Courses		
CRP 435	Transportation Theory	4
CE 527	Sustainable Mobility	4
CE 523	Transportation Systems Planning	4
or CE 421	Traffic Engineering	

Advisor Approved Electives