

CITY AND REGIONAL PLANNING AND CIVIL ENGINEERING (CONCURRENT CRP/CE)

Offered at: San Luis Obispo Campus

The Concurrent CE-MS/MCRP with Specialization in Transportation Planning (<https://ceenve.calpoly.edu/graduate-programs/>) is a joint interdisciplinary program between the Civil and Environmental Engineering Department in the College of Engineering and the City and Regional Planning Department in the College of Architecture and Environmental Design. Participation in the program requires enrollment in both Colleges. Participants successfully completing the program are awarded both the Master of Science in Civil and Environmental Engineering (CE-MS) and the Master of City and Regional Planning (MCRP) with a Specialization in Transportation Planning.

Requirements for Admission

Students must meet the requirements for admission for both the Master of Science in Civil and Environmental Engineering (<https://catalog.calpoly.edu/engineering/civil-environmental/civil-environmental-engineering-ms/>) (CE-MS) and the Master of City and Regional Planning (<https://catalog.calpoly.edu/architecture-environmental-design/city-regional-planning/city-regional-planning-mcrp/>) (MCRP) with a Specialization in Transportation Planning programs.

Application due date: Please see Graduate Student Dates and Deadlines (<https://www.calpoly.edu/admissions/graduate-student/dates-and-deadlines/>) for application deadlines. Students begin the program Fall semester.

Advancement to Candidacy

Completion of at least 6 units of graduate coursework with cumulative and higher ed GPA of 3.0 or higher and an approved culminating experience proposal.

Culminating Experience

The degree culminates in a thesis (CE 5599 or CRP 5599), professional project (CRP 5596), or a studio project (CRP 5598).

Program Learning Objectives

1. Describe the foundational concepts, theories, and methods of critical, humanistic, and social scientific approaches to studying communication.
2. Analyze mediated and non-mediated communication practices, messages, and effects considering the culture and context in which they occur.
3. Practice self-reflexivity about one's own communication practices.
4. Develop a critical framework for making ethical and inclusive communication choices.
5. Select appropriate modalities and technologies to accomplish communication goals.
6. Apply communication concepts, theories, and methods to real-world events, issues, and problems.
7. Produce effective and ethical communication based on awareness of diverse perspectives, contexts, and social identities.

Code	Title	Units
REQUIRED COURSES		
CRP 4435	Advancing the Transportation Revolution	4
CRP 5101	Homes, Health, and Social Justice	4
CRP 5103	Creating Sustainable and Resilient Communities	4
CRP 5104	Technology and Urban Planning	4
CRP 5504	Foundations of Planning	4
CRP 5512	Urban Data Analysis	4
CRP 5553	Project Planning and Design Studio	4
CRP 5554	Community Planning Studio	4
Select from the following:		4-6
CRP 5596	Project - Professional	
CRP 5598	Project - Studio	
CRP 5599	Thesis	
CE 5599	Thesis	
Specialization Required Courses		
CRP 4455	Transportation Policy and Planning	3
CE 5523 or CE 4421	Transportation Systems Planning Traffic Engineering	3-4

CE 5527	Sustainable Mobility	3
Concurrent MS Civil Engineering		
CE 5526	Transportation Safety	4
CE 5529	Modeling and Simulation in Transportation	4
CE 5575	Engineering Project Management	4
CE 5591	Graduate Seminar I	1
CE 5592	Graduate Seminar II	1
Select from the following:		6-7
CE 4423	Intelligent Transportation Systems	
CE 4424	Public Transportation	
CE 5525	Airport Planning and Design	
CE 5528	Transportation Economics and Analysis	
CE 5529	Modeling and Simulation in Transportation	
Total Units		65-69