Transportation Studies, Graduate Certificate

The graduate Certificate in Transportation Studies requires 18 s.h. of graduate credit. Students may earn the certificate in conjunction with an M.S. or Ph.D. in civil and environmental engineering or with an M.A. or M.S. in urban and regional planning.

Individuals working toward degrees in other transportation-related disciplines are encouraged to apply to the Transportation Studies Program. Depending on a student's background, additional course work in statistics, computer programming, simulation, mathematics, and operations research may be required for the certificate. Credit earned in these courses may not be applicable to a student’s degree program.

Students enrolled in the certificate program may wish to participate in faculty-led transportation research, which may explore topics such as system planning, traffic operations and engineering, spatial data systems and analysis, simulation applications, and policy issues.

Certificate with M.S. or Ph.D. in Civil and Environmental Engineering

Students working toward a Master of Science or a Doctor of Philosophy in civil and environmental engineering may earn the Certificate in Transportation Studies by completing a total of 18 s.h. from the courses listed below. Not all courses are offered every semester; view MyUI to determine when specific courses are offered.

**Fall Semester**
- CEE:4762 Design of Transportation Systems 3
- CEE:4763 Traffic Engineering 3
- CEE:4764 Winter Highway Maintenance 3
- CEE:5678 Application Simulation to Transportation 3
- URP:6266 Transportation and Land Use Planning 3

**Spring Semester**
- CEE:4160 Introduction to Bridge Engineering 3
- CEE:4167 Public Transit Operations and Planning 3
- CEE:4176 Transportation Demand Analysis 3

Engineering students may apply to the certificate program through the Graduate College and the Department of Civil and Environmental Engineering. See Civil and Environmental Engineering (College of Engineering) for information about graduate study and degree requirements in that department.

Certificate with M.A. or M.S. in Urban and Regional Planning

Students working toward a Master of Arts or Master of Science in urban and regional planning may earn the Certificate in Transportation Studies by completing a total of 18 s.h. from the courses listed below. Not all courses are offered every semester; view MyUI to determine when specific courses are offered.

**Fall Semester**
- URP:6265 Planning Sustainable Transportation 3
- URP:6266 Transportation and Land Use Planning 3
- URP:6268 Freight Transportation Planning 3
- URP:6269 Transportation Program Seminar 1
- URP:6290 Economic Impact Assessment 3

**Spring Semester**
- URP:3360 Urban Transportation arr.
- URP:4195 Public Transit Operations and Planning 3
- URP:4262 Transportation Demand Analysis 3
- URP:6233 Financing Local Government 3
- URP:6260 Transportation Policy and Planning 3
- URP:6264 Transportation Planning Process 2-3

Urban and regional planning students may apply to the certificate program through the Graduate College and the School of Urban and Regional Planning. See Urban and Regional Planning (Graduate College) for information about graduate study and degree requirements in the school.