

# TRANSPORTATION

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## Interdepartmental Graduate Major

The Master of Science in transportation offers opportunities for research in such areas as modeling and performance of transportation systems, highway safety and information systems, remote sensing, environmental analysis, techniques for urban and regional transportation system planning, environmental and social policy analysis of transportation systems, transportation policy analysis, analysis of transportation technologies, commodity distribution, public administration of the transportation planning process, regional development and transportation system interrelationships, transportation economics and finance, and planning for logistics management.

Students majoring in transportation will develop a program of study under the guidance of a program of study committee selected by the student in consultation with and approved by the chair of the faculty supervisory committee. The student's home department will be the major professor's primary department.

A student must complete at least 34 credits of acceptable work including preparation of a 6 credit thesis or a 2-3 credit creative component. A structured minor requires 12 credits of approved transportation courses and a thesis or creative component on a transportation related topic.

A required core includes:

CE 5510	Urban Transportation Planning Models	3
CE 6910	Seminar in Transportation Planning	1
STAT 5870	Statistical Methods for Research Workers	4

Detailed requirements are available from the chair of the supervisory committee.

Graduate students pursuing a major in transportation are encouraged to consider a formal declared minor in transportation. Students considering a declared minor should consult with the chair of the supervisory committee about the requirements for it.

Students typically focus their program of study to support a career in one of five areas: transportation consulting, regional and statewide transportation planning, transportation service operations and management, transportation policy and economic analysis, and transportation planning and operation for local and state governments. Graduates will have specific knowledge in one or more of these focus areas and the skills to conduct research and analysis of transportation issues. These skills allow graduates to be productive immediately in positions related to a focus area or to continue in more advanced transportation graduate work.