

*Civil and Environmental Engineering and City and Regional Planning
in Urban Transportation Planning**

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1. Objectives

Planning is a process for influencing public and private policy decisions concerning investments in complex transportation systems. Systems serve urban, suburban, exurban, and rural areas of the country and include highways, railways, public transit, pedestrian, and bicycle facilities and other forms of transportation right-of-way. They serve airports, seaports, rail and truck terminals, bus stations, parking facilities, and other types of intermodal facilities. Planning is more than just differentiating between different modes of transportation, however. It also involves the need to focus on practical issues of project implementation. Students in Georgia Tech's graduate program in transportation planning will learn about these issues and how to respond to them. This education will assist students in their careers and enhance their opportunities for advancement in transportation planning and management.

2. Admission

Admission into the dual degree program implies acceptance of the program of study for the dual degree culminating in both the Master of City and Regional Planning and the Master of Science in Engineering degrees. The requirements for students enrolled in the dual degree program are different than those for students enrolled in the Master of City and Regional Planning or the Master of Science in Civil Engineering alone. The requirements reflect the faculty's expectation of work to be completed by the student in order to receive both degrees. Consequently, a student must completely fulfill the requirements of the dual degree program in order to receive either of the two degrees. **A student may not receive one degree prior to receiving the other degree under this program. A degree may only be awarded when a student has completed all work in the dual degree program.**

City and Regional Planning Dual Degree Admission Committee members are:

Prof. Catherine Ross
Prof. Cheryl Contant

Admission requires approval of the review committees of both the School of Civil and Environmental Engineering and the City and Regional Planning Program. Admission application materials must include the recommendation of at least one faculty member in each program. The admission decision is based on the criteria established in both programs for admission into a graduate program of study. If a student does not initially apply to both programs prior to enrollment in either program, the student must apply to the second program no later than the end of the first semester of enrollment in a graduate program. This timing allows the application to be reviewed appropriately and acted upon prior to the beginning of the second semester, so the student can enroll in dual degree program courses at that time.

Documentation and Process

Students will submit application for admission into the dual degree program to the Program Director in City and Regional Planning. After review by the admission committee, the applicant will be notified about his/her acceptance into the program. Admission into the program is heavily influenced by the committee's perception of the student's ability to successfully fulfill program requirements. Admission into either the City and Regional Planning Program or the Civil Engineering Program does not guarantee a student admission into the dual degree program. A student whose performance is judged to be inadequate after being admitted into the dual degree program may be dropped from the program on recommendation to the City and Regional Planning Dual Degree Admission Committee and its Civil Engineering counterpart.

A program of study that identifies those courses that will satisfy both program requirements should be submitted with the request for admission. This program of study should total 65 credit hours. A minimum of 30 course hours (plus the four-hour option paper requirement) must be from courses with a CP prefix.

The requirements for the dual degree program are to be taken as a whole. Suppose a dual degree candidate is unable to satisfy all requirements for both programs and chooses to drop one degree from the Institute petition; then subsequently decides to re-enroll and petition for the second degree. The student must be readmitted into either the Civil Engineering or the City and Regional Planning Program and be reconsidered by the City and Regional Planning/Civil Engineering Dual Degree Program Admission Committee to be eligible to complete the dual degree. Once a course has been applied toward one degree it cannot be used to satisfy a course requirement toward another degree.

Typical Program of Study

The scheduling for the dual degree in Transportation and City and Regional Planning has been carefully designed to allow students to complete the degree in two years of intensive coursework. That schedule is indicated on the next page. If a student chooses to slow down the pace of working toward the dual degree, s/he should contact the Program Director in City and Regional Planning and the coordinator of Transportation master's program to ensure that courses are taken in the proper sequence.

Dual Civil and Environmental Engineering and City and Regional Planning Degree in Transportation

Fall Semester - 2005	Course	Units	CP Requirement
History and Theory of Planning	CP6012	4	Core
Quantitative and Computer Methods	CP6019	3	Core
Special Topics: Lab for Quant Methods	CP8900LAB	1	Core
Transportation Statistics	CEE 6601**	4	Core (Substitution)
Urban Transportation Planning (cross-listed)	CEE 6602/CP6311	4	Specialization
Introduction to Fields of Planning	CP 6002	2	Core
<i>Semester Total</i>		<i>18</i>	

Spring Semester - 2006			
Growth Management Law and Implementation	CP6016	3	Core
Geometric Design of Transportation Facilities	CEE 6604	4	Specialization
Economic Analysis in Planning	CP6031	3	Core
Transportation Administration and Policy	CEE 6605/CP6361	3	Specialization
CEE Transportation Elective (graduate)	CEE 6xxx	3	
<i>Semester Total</i>		<i>16</i>	
Fall Semester - 2006			
Planning Studio	CP6052	4	Core
Option Paper (CP)	CP8990*	2	Option Paper
Option Paper (CEE)	CEE 8956*	2	Elective
Traffic Engineering	CEE 6603	3	Specialization
CEE Transportation Elective (graduate)	CEE 6xxx	3	Elective
Transportation Engineering Seminar	CEE 8800	1	Elective
<i>Semester Total</i>		<i>15</i>	
Spring Semester - 2007			
Option Paper (CP)	CP8990*	2	Option Paper
Option Paper (CEE)	CEE 8956*	2	Elective
Elective (graduate CP or CEE course)	CEE 6xxx/CP 6xxx	3	Elective
Transportation Planning Methods and Investment Decisions	CP6321	3	Specialization
Elective		3	Elective
Elective		3	Elective
<i>Semester Total</i>		<i>16</i>	
Total Units for Degree		65	
Option Paper Requirements			
*Option paper topic must be approved in writing during the first semester of the second year.			
*One advisor from each school must supervise option paper.			
*CEE Option paper units are for a letter grade; CP option paper units are pass/fail.			
*Committee must review and sign-off on option paper.			
** Students who do not get a C or better will be required to take CP6023 and its lab (CP8900MET).			

*Excerpted from 2005-2006 Student Manual for the Masters of City & Regional Planning Program.