

UNIVERSITY OF NEW MEXICO

Department of Civil Engineering Course Requirements for Master of Science in Civil Engineering

TRANSPORTATION AND TRAFFIC ENGINEERING

<u>Required Courses</u>		<u>Credit Hours</u>
CE 580	Highway Traffic Design	3
CE 581	Urban Transportation Planning	3
CE 582	Highway and Traffic Engineering	3
CE 583	Traffic Engineering Studies and Characteristics	3
CE 584	Transportation of Hazardous Materials	3
CE 691	Seminar (must be taken twice, one credit each)	2
<u>Elective Courses</u>		
CE 455**	Engineering Project Management	3
CE 474*	Written Construction Documents	3
CE 554	Probability and Statistics for Civil Engineers	3
CE 560	Advanced Soil Mechanics	3
CE 562	Foundation Engineering I	3
CE 566	Highway and Airport Pavements	3
CE 570	Construction Methods and Equipment	3
CE 575	Construction Safety	3
CE 588	Project	3-6
<i>or</i>		
CE 599	Thesis	6
CRP 511	Analytical Methods for Planning	4
CRP 512	Planning Analysis and Forecasting	3
CRP 543	Seminar on Transportation Planning	3
CRP 583	Introduction to Geographic Information Systems (GIS)	3
GEOG 483	Image Processing	3
GEOG 484	Applied Remote Sensing	3
GEOG 381	Introduction to GIS	4
GEOG 488	Advanced GIS	3
STAT 427	Advanced Data Analysis I	3
STAT 428	Advanced Data Analysis II	3
PUB AD 523	Administration of State & Local Government	3
PUB AD 540	Administration of State Governments	3

Other elective courses may be approved by the major advisor.

*Course allowed for graduate credit to students enrolled in a graduate program. Normally a graduate student enrolled in a starred course number below 500 is required to do extra work. You must submit a Graduate Credit Authorization card to the Records Office.

**Available for graduate credit except for graduate majors in the department. You must submit a Graduate Credit Authorization card to the Records Office.

