

# UNIVERSITY OF NEW MEXICO

Department of Civil Engineering

Course Requirements

for

Master of Science in Civil Engineering

## HYDRAULIC AND WATER RESOURCES ENGINEERING

### Required Courses

### Credit Hours

CE 541	Groundwater Engineering	3
CE 542	Intermediate Hydrology	3
CE 545	Open Channel Hydraulics	3
CE 547	GIS in Water Resources Engineering	3
CE 691	Seminar (taken twice, one credit each)	2

### Elective Courses

CE 531	Physical-Chemical Water & Wastewater Trmt.	3
CE 532	Adv. Phys-Chem Water & Wastewater Trmt.	3
CE 534	Environmental Engineering Chemistry	3
CE 536	Biological Wastewater Treatment	3
CE 538	Introduction to Hazardous Waste Management	3
CE 539	Radioactive Waste Management	3
CE 540	Design of Hydraulic Systems	3
CE 544	Water Resources Engineering	3
CE 546	Hydraulic Structures	3
CE 560	Advanced Soil Mechanics	3
CE 561L	Advanced Soil Mechanics Laboratory	2
CE 563	Earth Structures	3
CE 588 (Plan II)	Master's Project	3
CE 599 (Plan I)	Master's Thesis	6

Other elective courses may be approved by the major advisor:

CE 543	Groundwater and Contaminant Transport Modeling	3
CE 549	Vadose Zone Hydrology	3