

## Master of Science in Civil Engineering/PhD Engineering

### Area of Emphasis – Environmental Engineering

#### Course Requirements

Bachelor of Science in Civil Engineering or must take sequence of required undergraduate courses first.

Required for Degree: 32 credits total – 24 credits coursework, 6 credits thesis, 2 credits seminar.

#### Suggested Courses:

Course Number	Course Name	Credits
CE 531	Physical-Chemical Water & Wastewater Treatment	3
CE 534	Environmental Engineering Chemistry	3
CE 536	Biological Wastewater Treatment	3
CE691	Graduate Seminar (2 semesters, 1 credit each)	2
CE599	Thesis – Major Advisor	6

#### Environmental Engineering Electives:

Course Number	Course Name	Credits
CE 533	Environmental Microbiology	3
CE 538	Sustainable Engineering	3
CE 539	Radioactive Waste Management	3
CE 540	Design of Hydraulic Systems	3
CE 541	Hydrogeology	3
CE 542	Intermediate Hydrology	3
CE 545	Open Channel Hydraulics	3
CE 547	GIS in Water Resources Engineering	3
CE 549	Vadose Zone Hydrology	3
CHEM 301	Organic Chemistry	3

Students must work with their faculty advisor to identify appropriate elective courses for this degree program.

Note: Course offerings are subject to change each semester based on enrollment and instructor availability.

Revised July 2015