M.S. in Environmental Engineering

Degree Requirements

Students who lack appropriate background are asked to make up deficiencies by taking a program of bridge courses, including any prerequisites, that is designed in consultation with graduate advisors. See the **undergraduate catalog** for description of bridge courses.

The program comprises 30 credits of required and elective courses. The student consults the graduate advisor to plan and maintain an individualized and cohesive sequence of courses.

Students receiving financial aid at any point in their studies must complete 6 credits of ENE 701 . Any students are able to substitute Master's thesis in their program.

M.S. in Environmental Engineering

Code	Title	Credits
Bridge Courses		
CE 320	Fluid Mechanics	3
CE 321	Water Resources Engineering	3
CE 322	Hydraulic Engineering	3
CE 501	Introduction to Soil Behavior	3
CHEM 126	General Chemistry II	3
CS 101	Computer Programming and Problem Solving	3
MATH 222	Differential Equations	4
MECH 234	Engineering Mechanics	2
MECH 236	Dynamics	2
Total Credits		**26**

Code	Title	Credits
Required Courses		
ENE 663	Water Chemistry	3
ENE 660	Introduction to Solid and Hazardous Waste Problems	3
ENE 661	Environmental Microbiology	3
Graduate mathematics or computer science course approved by graduate advisor		3
Electives		
Select six of the following:		18
CE 602	Geographic Information System	
CE 605	Research Methods in Remote Sensing	
CE 618	Applied Hydrogeology	
CE 620	Open Channel Flow	
CE 621	Hydrology	
CE 623	Groundwater Hydrology	
CE 647	Geotechnical Aspects of Solid Waste	
CE 702	Special Topics in Civil Engineering	
ENE 662	Site Remediation	
ENE 664	Physical and Chemical Treatment	
ENE 665	Biological Treatment	
ENE 666	Analysis of Receiving Waters	
ENE 671	Environmental Impact Analysis	
ENE 672	Stormwater Management	
ENE 700		
ENE 702	Special Topics in Environmental Engineering	
ENE 720	Environmental Chemodynamics	
Total Credits		**30**