

### Core Courses

Course No.	Title	Semester Hrs
CIV 561	Chemistry for Environmental Engineering	3
CIV 562	Hazardous Waste Engineering	3
CIV 660	Physiochemical Processes in Water and Wastewater	3
CIV 661	Biological Processes in Wastewater Engineering	3

### Elective Courses

CIV 520 Advanced Engineering Analysis I. (3 Hours)  
CIV 521 Advanced Engineering Analysis II. (3 Hours)  
CIV 550 Engineering Hydrology (3 Hours)  
CIV 551 Advanced Fluid Mechanics (3 Hours)  
CIV 552 GIS Applications in Civil and Environmental Engineering (3 Hours)  
CIV 560 Environmental Engineering II (3 Hours)  
CIV 563 Microbiology for Environmental Engineering (3 Hours)  
CIV 564 Surface Water (3 Hours)  
CIV 565 Wetland Management for Environmental Engineering (3 Hours)  
CIV 566 Air Pollution and Control (3 Hours)  
CIV 567 Environmental Remediation (3 hours)  
CIV 568 Land Disposal of Waste (3 Hours)  
CIV 569 Environmental Systems Modeling (3 Hours)  
CIV 571 Principles of Geoenvironmental Engineering (3 Hours)  
CIV 573 Environmental Geology for Engineers. (3 Hours)  
CIV 574 Engineering Hydrogeology. (3 Hours)  
CIV 575 Applied Geological Engineering. (3 Hours)  
CIV 631 Linear Theory of Ocean Waves. (3 Hours)  
CIV 631L Linear Theory of Ocean Waves' Laboratory. (1 Hour)  
CIV 632 Tides and Long Waves. (3 Hours)  
CIV 650 Small Watershed Hydrology (3 Hours)  
CIV 652 Hydraulic Engineering Design (3 Hours)  
CIV 653 Advanced Design of Hydraulic Structures (3 Hours)  
CIV 663 Design of Environmental Engineering Facilities (3 hours)  
CIV 664 Limnology for Environmental Engineering (3 Hours)  
CIV 665 Environmental Law (3 Hours)  
CIV 666 Advanced Waste Treatment Processes in Environmental Engineering (3 Hours)  
CIV 667 Biological Process Engineering (3 Hours)  
CIV 668 Bioenvironmental Engineering (3 Hours)  
CIV 669 Advanced Topics in Environmental Engineering (Variable 1-4 Hours)  
CIV 695 Scientific Writing Seminar (1 Hour)  
CIV 696 Seminar (1 Hour)  
CIV 697 Internship (Variable 1-3 Hours)  
CIV 698 Independent Study (Variable 1-3 Hours)  
CIV 699 Thesis Research (Variable 1-6 Hours)