

# Env Engr (ENVE)

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## Courses

***ENVE 4404 Environmental Risk Assessment: 3 semester hours.***

Quantitative and qualitative approaches to characterizing and controlling contaminant pathways. Risk assessment requirements and implications in superfund projects for engineers working on remediation. PREREQ: Permission of major advisor. F

***ENVE 4408 Water and Waste Water Quality: 3 semester hours.***

Principles of chemistry in application to water and wastewater treatment systems for water quality control and reuse. PREREQ: Minimum grade of C- in CHEM 1111 and CHEM 1111L or equivalent. S, D

***ENVE 4409 Water and Waste Water Lab: 1 semester hour.***

Fundamental analytical procedures for measurement of water and waste water quality. Introduction to materials and protocols associated with general environmental analytical techniques. COREQ or PREREQ: ENVE 4408. D

***ENVE 4410 Introduction to Environmental Engineering: 3 semester hours.***

Introduction to physical, chemical, and biological principles of solid and hazardous waste management, water and wastewater treatment, air pollution control and national environmental regulation. PREREQ: ENVE 4408 or equivalent. F

***ENVE 4430 Air Pollution and Solid Waste: 3 semester hours.***

Sources, characteristics, regulations, and effects of air pollution and solid waste on environmental quality; analysis and design of control systems, including the recovery of resources from solid waste. PREREQ: Senior standing in Engineering or permission of instructor. D

***ENVE 4499 Experimental Course: 1-6 semester hours.***

The content of this course is not described in the catalog. Title and number of credits are announced in the Class Schedule. Experimental courses may be offered no more than three times with the same title and content. May be repeated.