



The University of Mississippi Department of Civil Engineering

Master Degree in Environmental Engineering DeSoto and Tupelo Campuses

Opportunity in Environmental Engineering Degree

To meet the increasing demand for practicing environmental engineers in the growing communities of northern Mississippi, the Department of Civil Engineering at the University of Mississippi is offering Master degree in environmental engineering. The program is designed for practicing professionals and classes are offered in the evening at the two off-campus sites: University of Mississippi DeSoto and Tupelo Centers. Classes are taught by the full time and adjunct faculty of the Civil Engineering Department encompassing a spectrum of electives. Off-campus students meet the same requirements and receive the same Master degree as the main campus students. Mississippi residents have the benefit of the low in-state tuition. Scholarship is available for out-of-state students with good academic records.



DeSoto Campus



Tupelo Campus

Degree Name

Master of Engineering Science with Emphasis in Environmental Engineering.

Degree Requirements[§]

Non-Thesis Option: 27 hours of course work plus 3 hours of project. Minimum one course in each of the following categories: mathematics, numerical method, and mechanics. Two online elective courses can be counted toward the degree requirements.

Admission Requirements[¶]

A B.S. degree in Civil, Environmental, or related Engineering fields, with 3.0 minimum GPA. GRE scores and two letters of recommendation are needed.

Contacts for admission application:

Dr. Bonnie Buntin, DeSoto Administration Director, 1-888-343-4765, bbuntin@olemiss.edu

Dr. Eric Jao, Director, Off-Campus Engineering Programs, 1-662-915-5368, shjao@olemiss.edu

or visit:

<http://www.outreach.olemiss.edu/southaven/Admissions/>

<http://www.outreach.olemiss.edu/tupelo/Admissions/>

Faculty

Eric Jao, Associate Professor, Director of Off-Campus Engineering Programs, Ph.D. (M.I.T.)
Garey Fox, Assistant Professor, Ph.D. (Colorado State)
Shyam Prasad, Professor, Ph.D. (Northwestern)
Waheed Uddin, Associate Professor, Ph.D. (Texas-Austin)
Patrick Deliman, Adjunct Professor, US Army Engineer Research & Development Center, Ph.D. (Texas A&M)
Kenneth Griffin, Adjunct Professor, Pearl River Valley Water Supply District, Ph.D. (Mississippi)
John Huey, Adjunct Professor, Mississippi Department of Environmental Quality, Ph.D. (Iowa)
Ron Rychlaks, Mississippi Defense Lawyers Association Professor of Law and Associate Dean for Academic Affairs
Nolan Aughenbaugh, Professor, Ph.D. (Purdue)

Course Offering*

Mathematics

ENGR591 Engineering Analysis I
ENGR597 Engineering Mathematics
ENGR597 Engineering Statistics

Numerical Method

ENGR590 Finite Element Analysis I
ENGR598 Numerical Methods
ENGR648 Numerical Modeling in Geosciences and Engineering

Mechanics

Courses marked with †

Electives

ENGR537	Environmental Engineering II
ENGR572	Advanced Sanitary Analysis
ENGR630/631	Unit Process & Operations in Environmental Engineering I & II
GE560	Waste Disposal
ENGR597	Land Treatment of Hazardous Waste
ENGR597	Air Quality Management
ENGR651	Groundwater Hydrology
ENGR616	Isotope Hydrogeology
ENGR637	Groundwater Modeling †
ENGR645	Contaminant Transport †
CE542	Flow in Porous Media †
CE543	Sediment Transport †
GE530	Advanced Geomechanics †
GE503	Environmental Geochemistry
GE510	Remote Sensing
ENGR597	Soil Physics
ENGR597	Climatology for Engineers
LAW581	Environmental Law
ENGR597	Leadership and Strategic Planning
Online 1	Remote Sensing and the Environment
Online 2	Introduction to Geospatial Information Technology
Online 3	Water Resources Monitoring and Management
Online 4	Ecosystems Modeling Applications
Online 5	Landuse and Landcover Applications

§ For non-engineering degree holders, environmental engineering graduate certificate is available.

¶ For non-engineering degrees, pre-requisites of 3 calculus courses, differential equation, physics with lab, chemistry with lab, and fluid mechanics are needed. Students can be conditionally admitted with deficiencies.

* Not all courses will be offered all semesters.