UNIVERSITY OF SOUTH FLORIDA
COLLEGE OF ENGINEERING

Apex - Academic and Professional Engineering Excellence
Spring 2008 Schedule for Environmental/Water Resources Track
http://apex.eng.usf.edu/academics/CIVMasters.htm

The Department of Civil and Environmental Engineering at the University of South Florida supports Master's programs in the following areas:

Structural Engineering
Environmental/Water Resources Engineering
Transportation Engineering

A Master's degree can be obtained in as little time as one year. Major area courses, technical electives, and professional development

Online Environmental/Water Resources Course Offerings in Spring 2008

ENV 6519 Physical & Chemical Processes - Theory and design of physicochemical operations and processes in engineered and natural systems. Analysis of unit operations and process used in water and wastewater treatment.

ENV 6666 Aquatic Chemistry - Concepts of equilibrium as it relates to water chemistry. Emphasis will be placed on solving problems that involve: acid-base equilibrium, heterogeneous equilibria, co-ordination chemistry, and redox reactions.

ENV 6667 Biological Processes of Environmental Engineering - Theory and applications of environmental biotechnology pertaining primarily to biological wastewater treatment processes and bioremediation.

CGN 6209 Hydrodynamic Models - St. Venant Equations for unsteady flow in open channels; implicit and explicit solution techniques. The use of hydrodynamic modeling for storm water planning and design. Transport-diffusion equations and finite difference solutions. (Dept. approval required for non-majors)

The Department of Civil and Environmental Engineering at the University of South Florida is pleased to offer its Master of Civil Engineering [MCE] programs designed for engineers working full time.

- **A Master's degree is recommended by the American Society of Civil Engineers [ASCE]**
- **Professional registration bodies are considering requiring beginning in 2015 a Master's Degree or 30 hours of graduate coursework for licensure as a Professional Engineer [PE]**
- **Tuition costs are in many cases covered by employers**

Admissions Procedure

Prospective students are judged on performance in the following areas:

Minimum Requirements	MCE
With Undergraduate degree in Civil Engineering from an ABET accredited program	3.0 in major/ 2.75 overall GPA minimum
GRE	Minimum of 1050 Verbal + Quantitative
TOEFL [international applicants]	213 550 paper version

Requirements to Complete Degree

Prospective students are judged on performance in the following areas:

Requirements	MCE
Total Credit Hours Required	30 [minimum]
6000 level courses	16 credits [minimum]
Formal, Regularly Scheduled Course Work	20 [10 at 6000 level]

Steps for Enrolling in the Masters of Civil Engineering [MCE] degree program

To apply for acceptance into the program, fill out the Graduate Application for Admission and mail to:
University of South Florida
Office of Graduate Admissions
4202 E. Fowler Ave. FAO 174
Tampa, FL 33620
Codes: College: EN Degree: MCE Degree Code CEE [no concentration]

* For detailed admissions information and downloadable applications, please see our website **(http://www.grad.usf.edu/newsite/main.asp)**.
  Applications can be submitted online.
* Visit the APEX website **(http://apex.eng.usf.edu/)**.
  for information on distance learning options.
* International applicants **(http://web.usf.edu/iac/admissions/grad_requirements.html).**

Steps Toward Completion of a Master of Civil Engineering [MCE] Degree

* Begin earning credit hours required with guidance from a Department of Civil Engineering graduate coordinator.
* Choose an option track.
* Prepare and submit a plan of study by beginning of the second semester.
* Execute plan of study




University of South Florida
4202 East Fowler Ave. ENB 118
Tampa, FL 33620-5350
Location: ENG 320
Phone: 813-974-2275
Fax: 813-974-2957

Civil & Environmental Engineering

Web:
http://cee.eng.usf.edu/
General Inquiries E-mail:
cee_grad@eng.usf.edu
For more information please contact:
Dr. Mahmoud Nachabe
Phone: 813-974-5837
E-mail: **nachabe@eng.usf.edu**