

Civil & Environmental Engineering



Ready to start your graduate degree?

University of South Florida's Department of Civil and Environmental Engineering is pleased to offer several graduate degrees that fit your busy lifestyle.

These degrees will further your knowledge and skills in the fields of Civil and Environmental Engineering while allowing you to work on a thesis or choose from advanced coursework.

Degrees:

- Thesis:
 - *Master of Science in Civil Engineering (MSCE)
 - Master of Science in Environmental Engineering (MSEV)
- Coursework only:
 - *Master of Civil Engineering (MCE)
 - *Master of Environmental Engineering (MEVE)
- The Department also offers a nine-month program which allows you to continue your education while working around your schedule.

Students can specialize in:

- Structural
- Engineering Mechanics
- Materials
- Environmental
- Water Resources
- Transportation
- Geotechnical

Sample Courses:

- Design Structures to Resist Natural Hazards: Study of natural hazards and their interaction with structures.
- Applied Finite Element Method: This course focuses on applying the finite element method to types of problems encountered in various fields of Engineering.
- Soil Dynamics: Fundamentals of vibrations, wave propagation, design of foundations, retaining walls and slopes to resist vibrations, liquefaction of soils.
- Air Pollution Control: Behavior and effects of atmospheric contaminants and the principles of making measurements in the air environment.
- Coastal and Estuary Modeling: Digital modeling of coastal and estuary systems, currents tide heights, sediment transport, erosion, data collection, etc.
- Traffic Systems Engineering: Traffic models, intersection analysis, capacity analysis, data methods collection, parking, etc.
- Transportation Planning and Economics: Fundamentals of urban transportation planning--trip generation, trip distribution, modal split, traffic assignment.

- Structural Life Prediction: Concentration on predicting durability of systems with steel in contact with cementitious materials (e.g. reinforced concrete, post-tensioned tendons) in service environments prone to corrosion damage.

What You Need to Apply:

- Completed application
- Official transcripts
- Letters of recommendation
- Resume or C.V.
- GRE score of at least 1050
- Overall GPA of 2.75
*(3.0 in Engineering)

Our graduate program can conveniently fit in anyone's schedule.

Apply online at <http://www.grad.usf.edu>
Contact the Department of Civil and Environmental Engineering at 813-974-2275 or visit <http://cee.eng.usf.edu>

