

UAHuntsville

Professional Master's Degree in Civil Engineering (33 credit hours)

All courses are taught via IITS
Effective summer 2010

Objective

To attract engineers from ALDOT to pursue Master's Degree in CE

Admission Requirement

- Minimum GPA 2.5
- Received a bachelor's degree from an engineering accredited program
- 1 year work experience in civil engineering and passed the FE
- Conditional admission may be granted. To continue graduate study, a student admitted conditionally is required to maintain at least a B average in the first 12 semester hours of graduate coursework and to remove any other conditions imposed at the time of initial enrollment.

List of Courses

Transportation Area

Traffic Flow Theory (CE659)
Urban Transportation Planning (CE520)
Advanced Traffic Engineering Design (CE622)
Pavement Design (CE659)

Structural Area

Advanced Concrete Design (CE683)
Bridge Design (CE587)
Wood Design (CE659)

Geotechnical Engineering

Advanced Geotechnical Engineering

Environmental Engineering

Sustainability Design (CE658)
Environmental Impact Analysis (CE650)
Hydrology (CE541)
Advanced Hydrology (CE657)
Open Channel Hydrology (CE541)

Required Courses

Minor: Statistics (ISE690)
 Design of Experiments (ISE526)
Research Project: Master's project (CE697)

Transferred Courses

Transfer courses must be approved by the student's department and the Graduate Dean