Civil Engineering MS and MCE Recommended Course of Study

Technical Area: Transportation Engineering

Required Core Civil Engineering Courses:

- CE 5043 Advanced Civil Engineering Statistics or STA 5103 Applied Statistics or ES 5023 Environmental Statistics
- CE 5143 Numerical Methods
- If MS, CE 5983 Master’s Thesis (6 credits)
- If MCE, CE 5991 Graduate Seminar (1 credit)

Recommended Elective Courses:

- CE 5023 Finite Element Analysis
- CE 5443 Pavement Management
- CE 5403 Adv. Characterization of Highway Materials
- CE 5423 Adv. Pavement Analysis/Design (take after CE 5403)
- CE 5723 Sustainable Pavement Construction Technology
- CE 5463 Foundation Engineering
- CE 5013 CE Systems Analysis
- CE 5433 Advanced Geometric Design
- CE 5453 Transportation Engineering