

## Typical Schedule for MSCE in Transportation Materials

This schedule assumes that an entering student has background in

- Civil Engineering Materials (CE3101 or equivalent),
- Transportation Engineering (CE3401 or equivalent),
- Soil Mechanics for Engineers (CE3810 or equivalent),

Actual schedules are agreed upon by the student and advisor.

### Requirements: 30 credits total for MSCE

- 21 to 24 credits – course work
- 6 to 10 credits – research (report or thesis)

Course list (3 credits each):

1. MA 3730 – Statistical Methods II (Fall)
2. MA 4710 – Regression Analysis (Spring)
3. CE 5101 – Advanced Bituminous Materials (Fall)
4. CE 5102 – Advanced Concrete Materials (Spring)
5. CE 5401 – Advanced Pavement Design (Spring)
6. Senior level courses (3 credits each):
  - a. CE 4401 – Pavement Design (Fall)
  - b. CE 4402 – Traffic Engineering (Fall)
  - c. CM 4650 – Polymer Rheology (Spring)
7. Graduate level courses (3 credits each):
  - a. CE 5402 – Highway Design (Spring)
  - b. CE 5403 – Pavement Management Systems (Spring)
  - c. CE 5406 – Airport Planning and Design (Spring)
  - d. CE 5810 - Advanced Soil Mechanics (Fall)
  - e. CE 5820 - Geotechnical Engineering Laboratory (Fall)
  - f. CE 5860 – Fundamentals of Soil Behavior (Fall)
8. CE 5990 – Graduate Seminar (Fall, Spring)