

MS in Civil and Environmental Engineering (Transportation Specialization)

A MS degree is comprised of 45 units of 400/500 level coursework. The following is a list of potential courses that can be taken to satisfy the unit requirements for students who want to specialize in transportation engineering.

Core Courses

- CE 421 Traffic Engineering (4)
- CE 422 Highway Geometrics and Design (4)
- CE 423 Intelligent Transportation Systems (4)
- CE 424 Public Transportation (4)
- CE 521 Airfield and Highway Pavement Designs (4)
- CE 522 Advanced Transportation Design (4)
- CE 523 Transportation Systems Planning (4)
- CE 524 Pavement Performance and Management Systems (4)
- CE 525 Airport Planning Design (4)
- CE 526 Transportation Safety (4)
- CE 527 Sustainable Mobility (4)
- CE 528 Transportation Analysis (4)
- CE 529 Modeling and Simulation of Transportation (4)

Related Courses

- CE 481 Shallow Foundation Design and Analysis (4)
- CE 584 Lateral Support Systems (4)
- CE 585 Slope Stability Analysis (4)
- STAT 513 Applied Experimental Design and Regression Models (4)
- STAT 530 Statistical Computing I: SAS (4)
- STAT 542 Statistical Methods for Engineers (4)
- EE 525 Stochastic Process for Engineers (4)
- CRP 513 Planning Research Methods (4)
- CRP 514 Computer Applications for MCRP (4)
- CRP 520 Feasibility Studies in Planning (4)