Transportation Courses

The following is the potential courses that could be taken to meet the Department’s requirements. Before taking a course you should discuss with your advisor to see if they meet your curriculum plan. If a student's advisor and supervisory committee wishes to vary from the course requirements a formal petition must be submitted to the Graduate Studies Committee.

Core Courses
CVEEN 6110 Geographic Information Systems (GIS)
CVEEN 6510 Highway Design
CVEEN 6525 Highway and Traffic Engineering
CVEEN 6530 Quantitative Methods in Transportation
CVEEN 6560 Transportation Planning *
CVEEN 6570 Pavement Design
CVEEN 7520 Transportation Safety
CVEEN 7540 Intelligent Transportation Systems
CVEEN 7545 Transportation Modeling
CVEEN 7550 Transportation Infrastructure Maintenance
CVEEN 7560 Advanced Construction Materials
CVEEN 7570 Pavement Maintenance and Rehabilitation
CVEEN 7590 Public Transportation Systems
CVEEN 7920 Advanced Topics (in Transportation)
*All Transportation students shall take this course

Elective Courses
CVEEN 6260 Applied Probability and Statistics
CVEEN 6340 Advanced Geotechnical Testing
CVEEN 6350 Soil Improvement and Stabilization
CVEEN 6410 Water Resource Engineering
CVEEN 6810 Cost Engineering and Proposal Writing
CVEEN 6820 Project Scheduling
CVEEN 6830 Project Management and Contract Administration
CVEEN 6850 Engineering Law & Project Management
CVEEN 6920 Advanced Topics (in Transportation)
CVEEN 6930 Independent Study
CVEEN 7930 Advanced Independent Study
ACCTG 6000 Financial Accounting
ACCTG 6001 Managerial Accounting
ACCTG 6101 Managerial Accounting

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CMP 5710       Transportation Facilities Planning
CMP 6270       Metropolitan Regional Planning
CMP 6720       Land Use and Transportation Planning
ECON 6300      Public Finance: Public Expenditures and Cost-Benefit Analysis
ECON 7590      Econometrics
ECON 7800      Econometrics I
ECON 7810      Econometrics II
FINAN 6020     Financial Management
FINAN 6210     Cases in Financial Strategy
GEOG 5375      Sustainable Transportation
GEOG 5385      Environmental Assessment and Impact Analysis
GEOG 6000      Spatial Statistics
GEOG 6140      Methods in Geographic Information Systems
GEOG 6150      Spatial Database Design for GIS
GEOG 6180      Advanced Applications in GIS
GEOG 6220      Land Use Planning
GEOG 6530      Time Geography and Mobility Science
H EDU 6080     Strategic Planning and Social Marketing in Health Promotion
ME EN 6300     Advanced Strength of Materials
MET E 6250     Fundamentals of Engineering Analysis
MGT 6051       Managing and Leading in Organizations
MGT 6052       Business Communication
MGT 6310       Business Law
MKTG 6090      Marketing Management
MKTG 6300      Marketing in the Information Age
POL S 6290     Applied Quantitative Methods in Public Administration
PSY 6500       Quantitative Methods I
PSY 6510       Quantitative Methods II
PSY 6530       Intermediate Analysis of Variance
PSY 6540       Multivariate Statistics
PSY 6550       Structural Modeling
PSY 6556       Analysis of Temporal Data
PSY 6590       Secondary Analysis
SOC 6120       Statistics I
SOC 7130       Statistics II
WRTG 6000      Writing for Publication

^Graduate business courses have an additional fee, please see the tuition rate schedule for more information.
Other courses may be adopted by petitioning, in writing, to the Transportation faculty for course credit.