Civil Engineering

Courses By Area: Transportation & Materials

The following is the listing of 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		Historical Offering Pattern
CVEEN 6510	Highway Design	Every Spring.
CVEEN 6530	Quantitative Methods in Transportation Operations	Sporadic offering.
CVEEN 6560 #	Transportation Planning	Every Spring.
CVEEN 6570	Pavement Design	Every Spring.
CVEEN 6920	Optimization in Transportation	Sporadic offering.
CVEEN 7545	Traffic Operations Analysis and Simulation	Fall Even Yrs.
CVEEN 7560	Advanced Construction Materials	Rare offering.
CVEEN 7920	Advanced Topics in Transportation	Rare offering.
Elective Courses		
Any CVEEN 6000 or 7000 course approved by the Supervisory Committee		
CS 6140	Data Mining	Every Spring.
CS 6350	Machine Learning	Every Fall.
GEOG 6160	Spatial Modeling with GIS	Every Spring.
GEOG 6180	Geoprocessing with Python	Every Fall.
Appropriate courses not listed can be approved by the student's supervisory committee for Elective credit.		
# Required for all transportation students.		

(Reviewed by Advisor July 1, 2024.)