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.)