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 6510        Highway Design
- CVEEN 6530        Quantitative Methods in Transportation
- CVEEN 6560*       Transportation Planning
- CVEEN 6570        Pavement Design
- CVEEN 6920        Optimization in Transportation
- CVEEN 7545        Transportation Modeling
- CVEEN 7550        Transportation Infrastructure Maintenance
- CVEEN 7560        Advanced Construction Materials
- CVEEN 7920        Advanced Topics (in Transportation)

*All Transportation students shall take this course

### Elective Courses
- Any CVEEN 6000 or 7000 course approved by the Supervisory Committee
- CS 6140                Data Mining
- CS 6350                Machine Learning
- GEOG 6160          Spatial modeling with GIS
- GEOG 6180          Geoprocessing with Python

Note: Appropriate courses not listed can be approved by the student’s supervisory committee for Elective credit.