

## **Department General Electives for MSCE and MSEnE**

### **Offered by Civil and Environmental Engineering Department:**

CE 506	Remote Sensing of Environment
CE 553	Design and Construction of Asphalt Pavements
CE 602	Geographic Information Systems
CE 606	Geospatial Data Applications
CE 614	Underground Construction
CE 615	Infrastructure and Facilities Remediation
CE 618	Applied Hydrogeology
CE 620	Open Channel Flow
CE 621	Hydrology
CE 637	Short Span Bridge Design
CE 641	Engineering Properties of Soils
CE 642	Foundation Engineering
CE 644	Geology in Engineering
CE 659	Flexible and Rigid Pavements
CE 702	Special Topics in Civil Engineering
CE 739	Structural Optimization
EnE 666	Analysis of Receiving Waters
EnE 671	Environmental Impact Analysis
EnE 700	Environmental Engineering Project
EnE 702	Special Topics in Environmental Engineering
TRAN 610	Transportation Economics
TRAN 705	Mass Transportation Systems
TRAN 755	Intelligent Transportation Systems
TRAN 765	Multi-modal Freight Transportation Systems Analysis
MECH 630	Theory of Elasticity

*Most electives are offered every other year however several are offered yearly.*

### **Offered by Other Programs:**

ARCH 662	Infrastructure Planning
EM 640	Business Logistics
MATH 611	Numerical Methods I
MATH 651	Applied Mathematics I

*Core Requirements and Specialty Electives from all specializations can be used as a general elective*