



**Structures/Geotechnical/Construction Electives\***

- CCE 4001 Heavy Construction
- CEG 4012 Geotechnical Engineering II
- CEG 4126 Fundamentals of Pavement Design
- CES 3580 Hurricane Engineering and Global Sustainability (GL)
- CES 4605 Steel Design
- CES 4711 Intro to Prestressed Concrete Structures
- CGN 4510 Sustainable Building Engineering
- CGN 4930 Spec. Topics: Intro. to Construction Management
- CGN 4930 Spec. Topics: Numerical Methods
- EGN 4XXX Introduction to the Finite Element Method

**Transportation Electives\***

- CEG 4126 Fundamentals of Pavement Design
- CGN 4321 GIS Applications in Civil and Env. Eng.
- TTE 4102 Urban Transportation Planning
- TTE 4202 Traffic Engineering
- TTE 4203 Highway Capacity Analysis
- TTE 4804 Geometric Design of Highways

**Environmental and Water Resources Electives\***

- CGN 4321 GIS Applications in Civil and Env. Eng.
- CWR 4204 Hydraulic Engineering
- CWR 4620C Ecohydrological Engineering
- CWR 4530 Modeling Appl. In Water Resources Eng.
- EGN 4070 Engineering for Global Sustainability and Environmental Protection (GL)
- ENV 4024 Bioremediation Engineering
- ENV 4101 Fundamentals of Air Pollution Engineering
- ENV 4330 Hazardous Waste Assessment & Remediation
- ENV 4351 Solid and Hazardous Waste Management
- ENV 4401 Water Supply Engineering
- ENV 4513 Chemistry for Environmental Engineers
- ENV 4551 Wastewater Treatment Engineering
- ENV 4560 Reactor Design

\*If 3 electives are taken in 1 area, student will receive a certificate.

(GL) indicates Global Learning course. Students are required to take 2 GL courses, and at least 1 must be discipline-specific.

GL Foundations _____	GRW-1 _____	FLENT/FLEX _____
GL Discipline _____	GRW-2 _____	Summer Req. _____