

## **Civil Engineering**

**Overview** 

**Academics & Admissions** 

**Programs** 

**Courses** 

**Faculty** 

## **Courses**

- C E 101: Introduction to Civil Engineering I
- C E 102: Introduction to Civil Engineering II
- C E 103: Introduction to Civil Engineering Lab
- C E 205: Civil Engineering Laboratory I
- C E 206: Introduction to Surveying
- C E 207: Surveying
- C E 208: Civil Engineering Graphics I
- C E 301: Environmental and Water Resources Lab
- C E 302: Mechanics Laboratory
- C E 303: Materials Laboratory
- C E 305: Civil Engineering Laboratory II
- C E 310: Introduction to Structural Mechanics
- C E 311: Structural Analysis
- C E 315: Civil Engineering Materials
- <u>C E 325</u>: Intermediate Dynamics
- <u>C E 371: Intro to Environmental Engineering</u>
- <u>C E 401: Civil Engineering Fundamentals</u>
- C E 402: Soil Mechanics Laboratory
- C E 405: Civil Engineering Laboratory III
- <u>C E 412: Design of Concrete Structures</u>
- <u>C E 413: Steel Design</u>
- C E 414: Advanced Concrete Design
- C E 417: Construction Engineering and Management
- <u>C E 421: Matrix Analysis of Structures</u>
- C E 431: Soil Mechanics I
- <u>C E 433: Foundation Engineering</u>
- C E 435: Advanced Geotechnical Engineering
- C E 452: Civil Engineering Analysis
- C E 454: Engineering Design I
- C E 455: Civil Engineering Design I
- C E 456: Civil Engineering Design II
- C E 471: Environmental Engineering I
- C E 472: Water Resources Engineering
- C E 481: Transportation Engineering I
- C E 495: Geospatial Analysis for Engr & Vis Apps
- C E 497: Civil Engineering Projects
- C E 500: Geographic Information Systems Engr Sci
- <u>C E 511: Structural Dynamics</u>
- C E 513: Advanced Steel Design
- <u>C E 514</u>: <u>Pre-Stressed Concrete Design</u>
- C E 516: Bridge Engineering
- C E 521: Advanced Mechanics of Materials
- C E 531: Soil Mechanics II
- <u>C E 536</u>: <u>Designing with Geosynthetics</u>
- <u>C E 541: Flow in Open Channels</u>
- <u>C E 542: Flow in Porous Media</u>
- <u>C E 543: Sediment Transport</u>
- <u>C E 561: Civil Engineering Systems</u>
- <u>C E 570: Infrastructure Management</u>







- <u>C E 572: Stormwater Engineering and Management</u>
- <u>C E 574: Wastewater Engineering</u>
- <u>C E 575: Drinking Water Engineering</u>
- <u>C E 578: Agricultural Conservation for Eng & Sci</u>
- <u>C E 581: Transportation Engineering II</u>
- <u>C E 585: Highway Pavements</u>
- C E 590: Airport Planning and Design
- Engr 541: Foundations of Nano Engineering and Sci
- Engr 547: Characterization MethodsforNanomaterials

