

CE Advanced Design Options (Replaces CE 486 for 2009-11)

Students graduating under any catalog before 2012-13 that have not yet taken CE 486 will replace it with one of these courses in order to graduate. Any course chosen to satisfy this requirement, or as a replacement for CE 486, may not also be used to satisfy engineering topics elective requirements. The student is responsible for making sure the appropriate course prerequisites have been met for any course(s) attempted. The 2012-13 catalog introduces a “civil engineering design elective” in place of one of the senior design courses required by prior catalogs. Students on this catalog may choose from the list below to satisfy the CE design elective. CE 485, taken along with construction engineering students in ConE 487, will remain as the only senior design or “capstone” course in the civil engineering program and is expected to be taken in the student’s final semester.

A E 466. Multidisciplinary Engineering Design.

AER E 466. Multidisciplinary Engineering Design.

C E 428. Water and Wastewater Treatment Plant Design. (General Option Only)

C E 436. Masonry and Timber Design.

C E 446. Bridge Design.

C E 448. Building Design.

C E 453. Highway Design. (Environmental Option Only)

C E 460. Foundation Engineering.

C E 467. Geomaterials Stabilization.

C E 483. Pavement Analysis and Design.

C E 484. Advanced Design of Concretes.

C E 505. Design of Construction Systems.

C E 533. Structural Steel Design II.

C E 534. Reinforced Concrete Design II.

C E 535. Prestressed Concrete Structures.

C E 536. Masonry and Timber Design.

C E 545. Seismic Design.

C E 546. Bridge Design.

C E 548. Building Design.

C E 570. Applied Hydraulic Design.

C E 583. Pavement Analysis and Design.

C E 584. Advanced Design of Concretes.

CPR E 466. Multidisciplinary Engineering Design.

E E 467. Multidisciplinary Engineering Design II.

ENGR 466. Multidisciplinary Engineering Design.

I E 466. Multidisciplinary Engineering Design.

M E 466. Multidisciplinary Engineering Design.

MAT E 466. Multidisciplinary Engineering Design.