Civil Engineering Curriculum - Flowchart based on 2015-2016 degree check sheet.

**Freshman**

**FALL**
- ENGR 1410 ¹
  - Freshman Engineering Orientation
- ENGL 1113
  - Engl. Comp.
- CEES 1112
  - Intro. to CEES
- MATH 1914
  - Differential & Integral Calc. I
- HIST 1483
  - US 1493 or HIST 1493

**SPRING**
- CHEM 1315
  - Gen. Chem. I
- CHEM 1415
  - Gen. Chem. II

**Sophomore**

**FALL**
- CEES 1000 ²
  - Seminar
- ENGL 1213
  - Engl. Comp. or EXPO 1213
- CEES 2223
  - Fluid Mechanics
- MATH 2924
  - Differential & Integral Calc. II
- CHEM 1415
  - Gen. Chem. II

**SPRING**
- PHYS 2514
  - Physics I
- PHYS 2524
  - Physics II

**Junior**

**FALL**
- CEES 1000 ²
  - Seminar
- ENGR 2431 ⁴
  - Electrical Circuits
- CEES 2213
  - Water Resources Engineering
- CEES 3263
  - Intro. to Dynamics for ArchE and CE
- CEES 3663
  - Structural Design Steel I or Professional Elective
- CEES 4453 ⁶
  - Geomatics Engineering

**SPRING**
- P SC 1113
  - Amer. Fed. Govt.
- ANTH 4623
  - Cross-Cult. Hum. Prob. or Approved Substitute Core IV – Non-West Civ.

**Senior**

**FALL**
- CEES 1000 ²
  - Seminar
- ENGL 3153 ⁶
  - Technical Writing
- CEES 3243
  - Water and Waste Treatment Design
- CEES 3673
  - Structural Design Concrete I or Professional Elective
- CEES 4903 ⁹
  - Capstone
  - Civil Engr. Capstone

**SPRING**
- Approved Elective
  - Core IV – Social Science
- Approved Elective
  - Core IV – Artistic Forms

**NOTE:** Pre-requisite must be taken first. Co-requisite must be taken as a pre-requisite or in the same semester.

1. Transfer students are required to take ENGR 3410 instead of ENGR 1410
2. CEES1000 – must take 4 of 6 offered
3. CEES 2213 prerequisite sophomore level standing in CEES
4. ENGR 2431 prerequisite MATH 2924 and PHYS 2524 or concurrent enrollment
5. ENGR 3401 prerequisite MATH 1823 or 1914
6. ENGL 3153 must be taken with either CEES 3364 or 3403
7. CEES 4803 prerequisite senor standing in Architectural or Civil Engineering
8. CEES 4453 prerequisite CEES 1213 and MATH 2433 or 2934
9. CEES 4903 prerequisites CEES 3213, 3364, 3663 or 3673, and 4803

**Modified 02-17-15 126 credit hr**