Bachelor of Science in Civil Engineering (Standard Option B190)
Summer 2018 through Spring 2019 – Total Credit Hours: 126

This flowchart is not an official check sheet of degree requirements. It is meant to be used as a supplemental visual guide to be used along with the official University of Oklahoma degree check sheet.

- **FRESHMAN**
  - Fall: 17 Hours
    - MATH 1914 Calculus I
  - Spring: 16 Hours
    - MATH 2942 Calculus II

- **SOPHOMORE**
  - Fall: 17 Hours
    - MATH 2934 Calculus III
    - PHYS 2511 General Physics for Engr & Science Majors
  - Spring: 18 Hours
    - MATH 3113 Intro to Ordinary Differential Equations
    - PHYS 2521 General Physics for Engr & Science Majors
    - CEES 2223 Fluid Mechanics
    - CEES 2213 Statics
      - Prereq: MATH 2934/2433
  - Fall: 14 Hours
    - CEES 3213 Water Resources Engineering
      - Prereq: CEES 2153
  - Spring: 15 Hours
    - CEES 3363 Soil Mechanics
    - CEES 3361 Soil Mechanics Lab
    - CEES 3413 Structural Analysis
    - CEES 3263 Intro to Dynamics
      - Prereq: MATH 3113
    - ENGR 2002 Professional Development
      - Additional Prereq: Soph standing

- **JUNIOR**
  - Fall: 14 Hours
    - CEES 3663 Water and Waste Treatment Design
  - Spring: 15 Hours
    - CEES 3636 Structural Design
      - Concrete I
      - Prereq: CEES 2153
    - CEES 3403 Materials
      - Prereq: CEES 2153
    - ENGR 3401 Engineering Economics
      - Prereq: MATH 1914/1823 & CEES 2153
    - ENGR 3152 Technical Writing
      - Prereq: ENGR 1213 & Concurrent 3000+ CEES w/ lab
    - ENGL 3153 English Composition
      - Prereq: ENGL 1213 & Concurrent 3000+ CEES w/ lab

- **SENIOR**
  - Fall: 14 Hours
    - CEES 4901 Intro to CE Capstone
      - Prereq: Senior in curriculum
    - ENGR 3401 Engineering Economics
      - Prereq: MATH 2924/2423 & PHYS 2524/2424
    - CEES 3653 Soil Mechanics Lab
    - CADD Fundamentals
      - Prereq: Soph & CEES majors
    - CEES 3253 Structural Design
      - Concrete II
      - Professional Elective
    - CEES 3673 Structural Design
      - Professional Elective

- **Approval Electives**
  - Social Science
  - Non-Western Culture
  - Artistic Forms

- **Professional Electives**
  - Approvals from the following:
    - Approved Elective
    - Approved Elective
    - Approved Elective

- **CEES 1112 Intro to CEES**
  - Freshmen only

- **CEES 1000 Seminar**
  - only 4 of 6 required
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- **CEES 1000 Seminar**
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- **CEES 3213 Water Resources Engineering**
  - Prereq: CEES 2153

- **CEES 3663 Water and Waste Treatment Design**
  - Professional Elective

- **CEES 3636 Structural Design**
  - Concrete I
  - Prereq: CEES 2153

- **CEES 3663 Soil Mechanics Lab**
  - Prereq: MATH 2934/2433

- **CEES 3263 Intro to Dynamics**
  - Prereq: MATH 3113

- **ENGR 2002 Professional Development**
  - Additional Prereq: Soph standing

- **ENGL 3153 English Composition**
  - Prereq: ENGR 1213 & Concurrent 3000+ CEES w/ lab

- **CHEM 1315 General Chemistry**
  - Prereq: MATH 1503

- **CHEM 1415 General Chemistry**
  - Prereq: MATH 1503

- **ENGL 1213 or EXPO 1213 English Comp or Expository Writing**

- **CHEM 1315 General Chemistry**
  - Prereq: MATH 1503

- **CHEM 1415 General Chemistry**
  - Prereq: MATH 1503

- **Co-requisite**

- **Prerequisite**

- **Shaded courses offered once per year.**

- **HS History Deficiency**

- **At least one of these Gen. Ed. courses must be 3000-4000 level.**

- **Foreign Language:** 2 semesters college level or 2 years of high school.

Professional Electives and Flowcharts can be found here: www.ou.edu/content/coe/academics_flowcharts.html

Note: Utilize flowcharts as a supplemental guide to OU Official check sheet http://checksheets.ou.edu