ISU Civil Engineering Program Flowchart - Effective Fall 2019

1st Yr Fall
- MATH 1147 Calculus I
- MATH 1170 Calculus II
- PHYS 2211 Engineering Physics I
- MATH 2240 Linear Algebra
- CE 1105 Engineering Graphics
- COMM 1101 Oral Communication
- CHEM 1111 and CHEM 1111 Lab
- ENGL 1101 Reading and Writing

1st Yr Spr
- CS 1181 Computer Programming
- MATH 3352 Probability
- MATH 2220 ENGR Tools
- PHYS 2211 Engineering Physics I
- MATH 2240 Linear Algebra
- COMM 1101 Oral Communication
- CHEM 1111 and CHEM 1111 Lab
- ENGL 1101 Reading and Writing

2nd Yr
- CE 2200 ENGR Tools
- MATH 3360 Differential Equations
- MATH 3332 Basic Geotechnics
- CE 3337 Geotech Lab
- MATH 3360 Differential Equations
- MATH 3332 Basic Geotechnics
- CE 3337 Geotech Lab
- MATH 3360 Differential Equations
- MATH 3332 Basic Geotechnics
- CE 3337 Geotech Lab

2nd Yr Fall
- CE 2200 ENGR Tools
- MATH 3360 Differential Equations
- MATH 3332 Basic Geotechnics
- CE 3337 Geotech Lab
- MATH 3360 Differential Equations
- MATH 3332 Basic Geotechnics
- CE 3337 Geotech Lab
- MATH 3360 Differential Equations
- MATH 3332 Basic Geotechnics
- CE 3337 Geotech Lab

2nd Yr Spring
- CE 2200 ENGR Tools
- MATH 3360 Differential Equations
- MATH 3332 Basic Geotechnics
- CE 3337 Geotech Lab
- MATH 3360 Differential Equations
- MATH 3332 Basic Geotechnics
- CE 3337 Geotech Lab
- MATH 3360 Differential Equations
- MATH 3332 Basic Geotechnics
- CE 3337 Geotech Lab

3rd Yr Fall
- List of Pre-requisites:
  - COMM 1101, CE 3301, CE 3332, CE 3337, CE 3341, CE 3361, CE 3362, CE 3366, CE 3367 and one of the following:
    - CE 3351 Engineering Hydrology
    - CE 4436 Transport
    - ENVE 4408 Water & Wastewater Quality

3rd Yr Spring
- CE 4435 Hydraulic Design
- CE 4464 Concrete Design
- ENVE 4410 Environmental Engineering
- Objective 4 Course
- CE 44xx Technical Elective

4th Yr Fall
- CE 4496A Senior Design I
- Objective 4 Course
- CE 44xx Technical Elective

4th Yr Spring
- CE 4496A Senior Design II