BSCE CIVIL CURRICULUM FLOWCHART (2015-16) 130 credits

First Semester
- Engl 101 F/S Composition I (3cr)
- Chem 112 F/S General Chem I (3cr)
- Math 123 F/S Calculus I (4cr)
- Physics 211 F/S University Phys (3cr)

Second Semester
- Engl 279 F/S Technical Com I (3cr)
- Chem 114 F/S General Chem II (3cr)
- Math 125 F/S Calculus II (4cr)

Third Semester
- Engl 279 F/S Technical Com I (3cr)
- Math 225 F/S Calculus III (4cr)
- Phys 211 F/S University Phys (3cr)

Fourth Semester
- Math 321 F/S Differential Eq. (3cr)
- CEE 346/L F Geotechnical Engr I (3cr)
- CEE 326 F/S Environmental Engr I (3cr)

Fifth Semester
- CEE 284 F/S App. Numerical Methods (3cr)
- CEE 336/L F Hydro Sys Design (3cr)
- CEE 353 F Structural Theory (3cr)

Sixth Semester
- CEE 316/L F Construction Materials (3cr)
- CEE 456 F Concrete Thry & Design (3cr)
- CEE 347 F Geotechnical Engr II (3cr)

Seventh Semester
- CEE 325 F Concepts of Professional Practice (2cr)
- IEng 302 F/S Engineering Econ (3cr)
- Department F/S Approved Elective (3cr)

Eighth Semester
- CEE 463 F/S Constr. Engr & Mgmt (3cr)
- CEE 489 F/S Capstone Design (3cr)

Select Three of Four
- CEE 327/L S Environmental Engr II (3cr)
- CEE 337 S Engr Hydrology (3cr)
- CEE 474 S Construction Materials (3cr)
- CEE 345 F Intro to Sustain Design (3cr)
- CEE 348 F Intro to CEE (2cr)
- CEE 117 S Comp. Aided Design (2cr)
- CEE 206 F Engineering Surveys (3cr)
- CEE 130L F/S Intro to CEE (2cr)

Select One
- Geol 201 F/S Physical Geology (3cr)
- Math/Science Elective F/S (3cr) **
- Math 381 F/S Intro to Prob & Stats (3cr)
- Geology for Engineers (3cr)
- Math/Science Elective F/S (3cr) **

Notes: This worksheet is for planning information only and does not supersede requirements as stated in the university catalog.
Courses that are offered in Fall ONLY or Spring ONLY are indicated by F or S respectively. Courses indicated F/S are offered Fall and Spring Semesters
* Refer to the catalog for Humanities & Social Sciences courses needed to meet Goal 3 and 4 requirements.
** Basic science electives listed on back of sheet. A complete list of dept. approved electives is available at http://www.sdsmt.edu/Academics/Departments/Civil-and-Environmental-Engineering/Curriculum-and-Checklists/
Either GEOE 221/221L or GEOL 201 may be taken, but not both. GEOL 416 is not a basic science elective.