BSCE CIVIL EMPHASIS CURRICULUM FLOWCHART (2013-14) – 130 credits

First Semester 16
- Engl 101 Composition I (3cr)
- Chem 112 General Chem I (3cr)
- Math 123 Calculus I (4cr)
- Phys 211 University Phys (3cr)

Second Semester 18
- Engl 279 Technical Com I (3cr)
- Chem 114 General Chem II (3cr)
- Math 125 Calculus II (4cr)

Third Semester 16
- CEE 214 Statics (3cr)
- EM 331 Fluid Mechanics (3cr)
- Math 225 Calculus III (4cr)

Fourth Semester 18
- CEE 326 Enve Engr I (3cr)
- EM 321 Mech of Mtrls (3cr)
- ME 221 Dynamics (3cr) (Structures/Geotech)

Fifth Semester 15
- CEE 346 Geotech Engr I (3cr)
- ME 211 Thermodynamics (3cr) (EnvE/Wwr)
- CEE 316 Construction Materials (3cr)

Sixth Semester 15
- CEE 336 Hydro Sys Design (3cr)
- CEE 353 Theory of Structures (3cr)
- CEE 327 Enve Engr II (3cr)

Seventh Semester 15
- CEE 337 Engr Hydrology (3cr)
- CEE 357 Design of Mtl Struc. (3cr)
- CEE 347 Geotech Engr II (3cr)

Eighth Semester 17
- Select Three of Four
- CEE 325 Intro to Sust. Design (3cr)
- CEE 327 Enve Engr II (3cr)
- CEE 337 Engr Hydrology (3cr)
- CEE 347 Geotech Engr II (3cr)

Notes: This worksheet is for planning information only and does not supersede requirements as stated in the university catalog.
Classes required for the Environmental Engineering Minor are CBE 217, CEE 326, CEE 327, ENVE 421, BIOL 341, and one of the following:
- CBE 455, CHEM 326, CHEM 482, GEOE 475/575/L, IENG 331 or MEM 405.
* 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.
GEOE 221/221L or GEOL 201 may be taken, but not both. GEOL 416 cannot be used as a basic science elective.

2/12/2015
The BSCE curriculum includes 12 credit hours (15 for environmental emphasis students – see EnvE emphasis flow chart) of Department Approved Electives that students may use to broaden their education in civil and environmental engineering areas, gain knowledge and skills in a specialized area or create a knowledge base tailored to their individual career goals. Department Approved Electives include the following:

- **At least 6 credits of CEE 400-level coursework not applied to another CEE graduation requirement.**
- Up to 6 credit hours of CEE 498 (Undergraduate Research/Scholarship), CEE 491 (Independent Study) or CP 497 (Cooperative Education); not more than 3 credits may be CEE 491 or CP 497.
- Up to 6 credit hours of 300 or 400-level courses in engineering, science, math or computer science not applied to another CEE graduation requirement (9 credits for environmental engineering emphasis students). Accelerated masters students may take 500 and 600-level courses. Complete list of basic science and department approved electives available at [http://www.sdsmt.edu/Academics/Departments/Civil-and-Environmental-Engineering/Roadmap-To-Success/](http://www.sdsmt.edu/Academics/Departments/Civil-and-Environmental-Engineering/Roadmap-To-Success/).