BS in Geological Engineering Curriculum Flowchart

Freshman Fall
- ENGL 101 Composition I (3-0)
- CHEM 112 General Chem. I (3-0)
- MATH 123 Calculus I (4-0)
- GEOE 110L Intro. to Geo. Eng. (0-1)
- GOAL 3* Soc. Sci. Elective (3 credits)
- GOAL 4* Humanities Elect. (3 credits)

Freshman Spring
- CHEM 114 General Chem. II (3-0)
- CHEM 112L Gen. Chem. I Lab (0-1)
- MATH 125 Calculus II (4-0)
- PHYS 211 Univ. Physics I (0-1)
- CEE 117 Intro. to CADD (1-1)
- GOAL 3* Soc. Sci. Elective (3 credits)
- GOAL 4* Soc. Sci. Elective (3 credits)

Sophomore Fall
- EM 214 Eng. Mechanics (3-0)
- MATH 225 Calculus III (4-0)
- PHYS 213 Univ. Physics II (0-1)
- MEM 201L Surv. for Min. Eng. (2-1)
- GOAL 3* Soc. Sci. Elective (3 credits)
- GOAL 4* Soc. Sci. Elective (3 credits)

Sophomore Spring
- ENGL 279 Tech. Comm. I (3-0)
- EM 321 Mech. of Materials (3-0)
- MATH 321 Differential EQ (3-0)
- GEOL 212 Min. and Chrys. (2-1)
- GEOL 212 Min. and Chrys. (2-1)

Junior Fall
- ENGL 289 Tech. Comm. II (3-0)
- GEOL 331 Strat. and Sed. (2-1)
- GEOL 331 Strat. and Sed. (2-1)
- CEE 346 Geotech. Eng. (2-1)
- MET 320 Met. Thermo. (4-0)

Junior Spring
- GEOL 322 Structural Geology (2-1)
- GEOL 324 Eng. Geophys. I (2-1)
- EM 331 Eng. Field Geol. (0-6)
- GEOL 416 Intro. to GIS (2-1)
- MEM 302 Min. Econ. & Fin. (3-0)

Junior Summer
- GEOE 410 Geol. Eng. Design I (0-6)
- GEOE 466 Eng. and Env. Geol. (2-1)
- GEOF 475 Ground Water (2-1)
- MEM 304 Rock Mechanics (2-1)
- MEM 305 Rock Mechanics (2-1)

Senior Fall
- GEOE 464 Geol. Eng. Design II (3-0)
- GEOE 465 Geol. Eng. Design II (3-0)
- 300/400 Hum./S.S. Elective (3 credits)
- Approved GEOE Elective** (3 credits)
- Approved GEOE Elective** (3 credits)

Senior Spring
- MEM 304 Rock Mechanics (2-1)
- GEOE 466 Eng. and Env. Geol. (2-1)
- GEOE 475 Ground Water (2-1)
- GEOE 464 Geol. Eng. Design II (3-0)
- GEOE 465 Geol. Eng. Design II (3-0)
- 300/400 Hum./S.S. Elective (3 credits)
- Approved GEOE Elective** (3 credits)
- Approved GEOE Elective** (3 credits)

*Please see the General Education Requirements Checklist for applicable courses.
** Please consult the GEOE Electives Guidelines document for guidance with Approved and Professional electives.