

Advising Sheet: B.S. Geological Engineering

(Revised April 2020)

Name: _____

ID: _____

| Fall | | | | | Spring | | | | |
|--------------------------------|-----|-------|-----|--|--------|----------------------------------|-------|-----|---|
| Freshman: | Hrs | Grade | Sem | Prereq/Coreq | | Hrs | Grade | Sem | Prereq/Coreq |
| Geol 103 Earth Dyn. | (4) | | | Geology and GE majors only | | Geol 106 Earth History | (2) | | Geol 103 |
| Writ 101 | (3) | | | | | Writ 102 | (3) | | Writ 101 or Hon 101 |
| Math 261 Calc I | (3) | | | Math ACT 24, or a B in Math 125 or Bs in both Math 121 and 123 | | Math 262 Calc II | (3) | | Math 261 (min C) |
| Chem 105 | (3) | | | Math ACT 25 (SAT 580), or Math 125 (min B), or Chem 101, or Bs in Math 121 and 123 | | Chem 106 | (1) | | Chem 105 (min C) |
| Chem 115 | (1) | | | Chem 105 | | Chem 116 | (3) | | Chem 106 |
| | | | | | | SS Elective | (3) | | |
| Sophomore: | | | | | | | | | |
| Geol 225 Min.-Pet. | (5) | | | Geol 103 (min C), Chem 105 | | Geol 314 Sed.-Strat. | (4) | | Geol 103 (min C) |
| Engr 309 Statics | (3) | | | Math 263 / Phys 211 | | Engr 340 Engr. Geology | (3) | | Chem 105 (min C) / Math 262, Phys 211 or 213 |
| Phys 211 | (3) | | | Math 262 | | Phys 212 | (3) | | Phys 211 |
| Phys 221 | (1) | | | Phys 211 | | Phys 222 | (1) | | Phys 212 |
| Math 263 Calc III | (3) | | | Math 262 (min C) | | Math 264 Calc. IV | (3) | | Math 263 (min C) |
| | | | | | | Engr 312 Mech. Of Materials | (3) | | Engr 309 |
| | | | | Summer | | GE 301 Field Camp I | (3) | | Geol 225 (min C), Geol 314 |
| Junior: | | | | | | | | | |
| Geol 305 Geomorph. | (3) | | | Geol 103 (min C) | | Geol 303 Struct. and Tectonics | (3) | | Geol 225 (min C) (not recommended without Geol 305 first) |
| GE 470 G.I.S. | (3) | | | | | GE 405 (not 577) Engr. Geophys. | (3) | | Math 262, Engr 340 (min C), Phys 212 or 214 |
| Math 353 El. Diff. Eq. | (3) | | | Math 263 | | GE 540 Rock Mechanics | (4) | | Engr 309, Engr 340 (min C) |
| CSCI 251 Programming for Engr. | (3) | | | Math 261 | | Engr 323 Fluid Mechanics | (3) | | Phys 211 / Math 264, Engr 309 |
| Engr 310 Engr. Analysis | (3) | | | Math 262 | | EST: Engr 321 Thermodynamics | (3) | | Chem 105, Math 262 |
| FA Elective | (3) | | | | | | | | |
| | | | | Summer | | GE 401 Field Camp II | (3) | | GE 301, Geol 303 (min C), Geol 305, Engr 340 (min C) |
| Senior: | | | | | | | | | |
| GE 450 Hydrogeol. | (4) | | | Math 262 | | GE 421 Geol. Engr. Design | (4) | | GE 420 (min C) / GE 540, or CE 431 |
| EST: CE 472 Water Res. Engr. | (3) | | | Engr 323 | | CE 431 Soil Mechanics | (3) | | Engr 312 |
| GE 420 Subsurface Site Char. | (4) | | | GE 301, Geol 303 (min C), Engr 340 (min C) / Geol 305, GE 450 | | GE Tech Elective | (3) | | |
| Hum Elective | (3) | | | | | Econ 310 Engr. Econom. | (3) | | |
| Hum/FA Elective | (3) | | | | | SS/Hum/FA/other Elective | (3) | | |

GE Tech Electives – choose one among the following: GE 415, GE 460, GE 490, GE 503, GE 507, GE 510, GE 511, GE 513; CE 325, CE 471; Engr 313.

EST (Engineer Science Elective) – choose 2 among the following: Engr 321, Engr 360; CE 472

For **Gen.Ed. courses** see: <https://catalog.olemiss.edu/engineering/academics>

| Social Sciences (6 hrs) | Hum (3 hrs) | Fine Arts (3 hrs) | Hum/FA (3 hrs) | SS/Hum/FA/Gen.Ed. (3 hrs) |
|-------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|
| Econ 310 (required) | | | | |
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An anchor means a course is only taught in a designated semester. However, the class may be taught in Summer session(s).

TOTAL = 134 HOURS