

Advising Sheet: B.S. Geological Engineering
(Revised July 2024)

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 24 (SAT 580), or Math 125 (min B), or Chem 101, or Bs in Math 121 and 123		Chem 106 ⚓	(3)		Chem 105 (min C)	
Chem 115	(1)			Chem 105		Chem 116 ⚓	(1)		Chem 106	
						Elective Hum	(3)			
Sophomore:										
Geol 225 ⚓ Min.-Pet.	(5)			Geol 103 (min C), Chem 105		Geol 314 ⚓ Sed.-Strat.	(4)		Geol 103 (min C)	
Engr 340 ⚓ Engr. Geology	(4)			Chem 105 (min C) / Math 262, Phys 211 or 213		Engr 309 Statics	(3)		Math 263 / Phys 211	
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)	
						Elective FA	(3)			
				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	(4)		Geol 225 (min C) (not recommended without Geol 305 first)	
Engr 312 Mech. Of Materials	(3)			Engr 309		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 305 (3cr) or GE 540 (4cr) ⚓ Geomechanics or Rock Mechanics	(3 or 4)		For GE 305: Engr 312 For GE 540: Engr 309, Engr 340 (min C)	
CSCI 256 or 251	(3)			ACT 22, ALEKS 61, or Math 121+		Engr 323 Fluid Mechanics	(3)		Phys 211 / Math 264, Engr 309	
Engr 310 Engr. Analysis	(3)			Math 262		Engr 321 Thermodynamics	(3)		Chem 105, Math 262	
GE 470 or CE 500 G.I.S.	(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 or GE 440	
ES Tech Elective	(3)			For CE 431 (⚓ Spring): Engr 312 For CE 472 (⚓ Fall): Engr 323 For Engr 360: Math 262/ Phys 212		GE/ES Tech Elective	(3)			
GE 420 ⚓ Subsurface Site Char.	(4)			GE 301, Geol 303 (min C), Engr 340 (min C) / Geol 305, GE 450		Econ 310 Engr. Econom.	(3)			
Elective SS	(3)					Elective Hum/FA	(3)			
SS/Hum/FA/Gen Ed	(3)									
GE Tech Electives : GE 415, GE 460, GE 490, GE 503, GE 507, GE 510, GE 511, GE 513; CE 325, CE 471; Engr 313 ES Tech (Engineer Science Elective) – choose at least one among the following: Engr 360; CE 472; CE 431 For Gen.Ed. courses see: https://catalog.olemiss.edu/engineering/academics										
Social Sciences (6 hrs)		Hum (3 hrs)			Fine Arts (3 hrs)			Hum/FA/Ln (3 hrs)		SS/Hum/FA/Ln/Gen.Ed. (3)
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).

TAL = 132/133 HOURS