

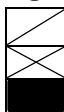
University of Mississippi
School of Engineering
Department of Civil Engineering
Requirements for the Bachelor of Science Degree in Civil Engineering (BSCE)
Effective Summer 2023 (129 hrs) Updated 3-7-2023

Student NAME: _____ Student ID: _____

Freshma				31	hrs			
Fall		Grade		Spring		Grade		
Writ 101	First-Year Writing I	3	<input type="text"/>	Writ 102	First-Year Writing II	3	<input type="text"/>	
Math 261	Calculus I	3	<input type="text"/>	Math 262	Calculus II	3	<input type="text"/>	
Chem	Chemistry I	3	<input type="text"/>	Phys 211	Physics I	3	<input type="text"/>	
Chem	Chemistry Lab I	1	<input type="text"/>	Phys 221	Physics Lab I	1	<input type="text"/>	
C E 101	Introduction to CE I	1	<input type="text"/>	Csci 256/251	Programming	3	<input type="text"/>	
	SS Elective ^{1,2}	3	<input type="text"/>	C E 102	Introduction to CE II	1	<input type="text"/>	
					Hum. Elective ^{1,2}	3	<input type="text"/>	
Total		14		Total		17		
Sophomo				34	hrs			
Fall		Grade		Spring		Grade		
Math 263	Calculus III	3	<input type="text"/>	Math 264	Calculus IV	3	<input type="text"/>	
Phys 212	Physics II	3	<input type="text"/>	Math 353	Differential Equations	3	<input type="text"/>	
Phys 222	Physics Lab II	1	<input type="text"/>	Engr 312	Mechanics of Materials	3	<input type="text"/>	
Engr 309	Statics	3	<input type="text"/>	C E 371	Environmental Engr. I	3	<input type="text"/>	
C E 207	Surveying	2	<input type="text"/>	Spch 10X	Speech Elective	3	<input type="text"/>	
CE 208	CE Graphics I	1	<input type="text"/>		Hum/FA/Mod Lang ^{1,2}	3	<input type="text"/>	
	FA Elective ^{1,2}	3	<input type="text"/>					
Total		16		Total		18		
Junior				32	hrs			
Fall		Grade		Spring		Grade		
C E 205	CE Lab I	1	<input type="text"/>	C E 305	CE Lab II	1	<input type="text"/>	
C E 311	Structural Analysis	3	<input type="text"/>	C E 315	CE Materials	3	<input type="text"/>	
C E 481	Transportation Engr. I	3	<input type="text"/>	C E 413	Steel Design	3	<input type="text"/>	
Engr 323	Fluid Mechanics	3	<input type="text"/>	C E 417	Construction Mgmt	3	<input type="text"/>	
C E 412	Concrete Design	3	<input type="text"/>	C E 431	Soil Mechanics I	3	<input type="text"/>	
Engr 310	Engineering Analysis I	3	<input type="text"/>		Technical Elective A or B ¹	3	<input type="text"/>	
Total		16		Total		16		
Senior				32	hrs			
Fall		Grade		Spring		Grade		
C E 401	CE Fundamentals	1	<input type="text"/>	Econ 310	Engineering Economy	3	<input type="text"/>	
C E 405	CE Lab III	1	<input type="text"/>	C E 456	CE Design II	3	<input type="text"/>	
C E 433	Foundations	3	<input type="text"/>		Basic Science Elective ^{1,2}	3	<input type="text"/>	
C E 455	CE Design I	2	<input type="text"/>		Technical Elective A ¹	3	<input type="text"/>	
C E 472	Water Resources Engr.	3	<input type="text"/>		Technical Elective A or B ¹	3	<input type="text"/>	
Engr 400	Leadership & Profess.	1	<input type="text"/>					
	Technical Elective A ¹	3	<input type="text"/>					
	Technical Elective A or B ¹	3	<input type="text"/>					
Total		17		Total		15		

An anchor means a course is only taught in the designated Fall/Spring semester.

Symbols Registered
 In progress
 Completed



¹See Page 2 for further information.

²Can switch time slot with SS/H/FA elective or other

General Education Electives (SS/Hum/Fine Art Requirements) Page 2 of 3

SS	ECON 310	3		Hum: Humanities Elective	3	
SS	Social Sci. Elective	3		FA: Fine Arts Elective	3	
Spch	Speech Elective	3		Hum/FA/Modern Language Elective	3	

Social Sci: anthropology (ANTH), economics (ECON), political science (POL), psychology (PSY), sociology (SOC), Liba 203, 313, or HON 101, 102 (if not being used to fulfill composition requirements).

Humanities: African American studies (AAS 201, 202); classical civilization (CLC); environmental studies (ENVS 101); gender studies (G ST 201, 202); history (HST); LIBA 202, 312, 305; literature (ENG 103, 220-226); philosophy (PHIL); religion (REL); Southern studies 100-level; or HON 101, 102 (if not being used to fulfill composition requirements). Beyond 3 hrs of the above, up to 3 hrs language (modern or Greek or Latin) with a grade of C or better.

Fine Arts: any Art History (AH); Liba 130, 204, 314; Mus 101, 102, 103, 104, 105; Danc 200; Thea 201, 202. Students who have completed 30 semester hours of undergraduate course work may fulfill the requirement with a 300- or 400-level art history course.

(Courses emphasizing the enhancement of skills and performance are NOT acceptable)

Speech Electives (Advisor Note: Recommend Spch 105)

Spch 105	Business Prof Speech	3	Spch 102	Fund of Public Speaking	3
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Basic Science Electives

Geol 101	Physical Geology	3	Geol 105	Env Geology-Resources	3
Geol 102	Historical Geology	3	Bisc 102	Inq Life: Human Biology	3
Geol 103	Earth Dynamics	5	Bisc 104	Inq Life: Environment	3
Geol 104	Env Geology-Hazards	3	Bisc 160/161	Biol Sci I + Lab	4

Technical Electives

Category A: (At least two courses from this list)

C E 414	Adv. Concrete Design	3	C E 514	Prestressed Concrete	3
C E 500	Geospatial Analysis	3	C E 435	Adv. Geotechnical Engineering	3
C E 572	Stormwater Engr & Mgmt	3	Engr 573	Environ Remediation	3
C E 574	Wastewater Engineering	3	Others upon approval by the Department Chair		
C E 575	Drinking Water Engineering	3			

Category B:

Category B.I: Any course from Category B.I list: (others may be added on a semester-by-semester basis)

C E 511	Structural Dynamics	3	Engr 321	Thermodynamics	3
C E 521	Adv. Mech of Materials	3	Engr 360	Electric Circuits	3
C E 531	Soil Mechanics II	3	Engr 590	Finite Element Analysis I	3
C E 581	Transportation Eng II	3	Engr 591	Engineering Analysis I	3
C E 585	Highway Pavement	3	Engr 593	Approximate Methods	3
Engr 546	Micro/Nanoscale Fabrication	3	G E 440	Rock Mechanics	3
Others upon approval by the Department Chair			G E 450	Hydrogeology	3
			M E 325	Dynamics	3

Category B.II: No more than one course from an approved minor, such as Business, ROTC, NROTC, Math, Environmental Studies.

Category B.III: Other courses may be used to fulfill the Category B requirements, with the approval of the advisor and the Department Chair, including any relevant independent study or special topics course (**Example: Hon 401, C OP 301, C OP 302, CE 497, Engr 596, Engr 597 & Engr 598**).

Course Substitution and Justification (Subject to review and approval by Department Chair)

<u>Course in program</u>	<u>Substitution</u>	<u>Justification</u>	<u>Advisor Signature</u>	<u>Date</u>

	Course	Pre-Requisite	Co-Requisite
Freshman Year	Writ 101: First-Year Writing I	–	–
	Chem 105: General Chemistry I	Math ACT 24, or B in Chem 101, or B in Math 121 & 123, or B Math 125	–
	Chem 115: General Chemistry Lab I	Math ACT 24, or B in Chem 101, or B in Math 121 & 123, or B Math 125	Chem 105
	Math 261: Calculus I	Math ACT 24, or B in Math 121 & 123, or B in Math 125	–
	C E 101: Introduction to C E I	–	–
	Writ 102: First-Year writing II	Writ 101	–
	Phys 211: Physics I	–	Phys 221, Math 262
	Phys 221: Physics Lab I	–	Phys 211
	Math 262: Calculus II	Math 261 (grade C or above)	–
	Csci 256 (or 251) Programming	ACT 22, ALEKS 61, or Math 121 or higher	–
Sophomore Year	C E 102: Introduction to C E II	–	–
	Math 263: Calculus III	Math 262 (grade C or above)	–
	Phys 212: Physics II	Phys 211	Phys 222, Math 262
	Phys 222: Physics Lab II	Phys 221	Phys 212
	CE 208: CE Graphics I	–	CE 207
	C E 207: Surveying	–	Engr 207 or CE 208
	Engr 309: Statics	–	Math 263, Phys 211
	Math 264: Calculus IV	Math 263 (grade C or above)	–
	Math 353: Differential Equations	Math 263 (grade C or above)	–
	Engr 312: Mechanics of Materials	Engr 309	–
Junior Year	C E 371: Environmental Engr I	Chem 105 & Chem 115; Engr 322 or Engr 323	–
	C E 205: C E Lab I	–	Engr 312, Engr 323
	C E 311: Structural Analysis	Engr 312, CE 310	–
	C E 481: Transportation Eng I	CE 207, CE 208	–
	Engr 323: Fluid Mechanics	Phys 211	Math 264, Engr 309
	C E 412: Concrete Design	–	CE 311
	Engr 310: Engineering Analysis I	Math 262	–
	C E 305: CE Lab II	–	C E 431
	C E 315: CE Materials	–	C E 431
	C E 413: Steel Design	C E 311	–
Senior Year	C E 431: Soil Mechanics I	Engr 312	–
	C E 417: Construction Mgmt	–	C E 315
	C E 401: CE Fundamentals	Senior standing in CE	CE 455
	C E 405: CE Lab III	–	CE 472, CE 3/471, CE 315, CE 205
	C E 433: Foundations	C E 431	–
	C E 455: CE Design I	–	CE 481, CE 472, CE 433, CE 412
	C E 472: Water Resources Eng	–	Engr 323
	Engr 400: Leadership & Profess.	–	–
	Econ 310: Engineering Economy	--	--
	C E 456: CE Design II	C E 455	–