

CE curriculum linkages to student outcomes

Semester	Course	Outcomes	1	2	3	4	5	6	7
Freshman Fall	English 100						3		2
	Math 241		3						
	Chem 161 & 161L		3			2			
	FG Global and Multicultural Perspectives								3
Freshman Spring	Math 242		3						
	Phys 170 & 170L		3			3			
	Chem 162		3						
	EE 160 or EE 110 or ICS 111		3	1					1
Sophomore Fall	CEE 270		3		1				1
	Math 243		3						
	Phys 272 & 272L		3	1		3			
	FG Global and Multicultural Perspectives								3
	DH Hum. Div. Req. or DL Lit. Div. Req.								3
Sophomore Spring	CEE 271 or ME 271		3						1
	Math 244		3						
	CEE 370 & 370L		3	1	1	3	3	1	1
	Biological Science Elective (BSE) (DB)		1	1					2
	COMG 251 (DA)						3		2
Junior Fall	CEE 305		3	1		1			1
	CEE 320		3		1	3	3	2	1
	CEE 361		3		1		1		1
	Soc. Sci. Div. Req. Elect. (DS) Econ 120, 130 or 131			1		1			1
	Math Elective – Math 302 or EARTH312		3						
Junior Spring	CEE 330		3	1		2	1	1	2
	CEE 355		3		1	3	2	3	1
	CEE 375		1	2	2	3	2	1	1
	CEE 381		3		1				
	Social Science Diversification Req. (DS)								3
Senior Fall	CEE 431 (General and Sustainability tracks)		3	2	2	2			2
	CEE 461 (General track),		3	1	2	1	2	3	2
	CEE 462 (General. and Sustainability Tracks) or		1		3	1	2	2	1
	CEE 464 (General. and Sustainability Tracks)		2		3	1		3	3
	CEE 471 (General and Structures tracks), or		1		1				1
	CEE 472 (General and Structures tracks)		1		1			1	1
	CEE 485 (General and Structures tracks), or		3		2	3			1
	CEE 486 (General and Structures tracks)		3		2				1
	CEE 484 (Structures track)		2	2	2				1
	Structural Math Elective (SME) ME 360; Phys 305; Math 307; Math 311 (Structures track)		3						
	CEE 444 (Sustainability track)		2	3	2		3	2	
	CEE 449 or 499 (Sustainability Track)		2			2		1	
	CEE 489B		1					1	1
CEE 489C								3	
Senior Spring	CEE 421 (General and Structures tracks)		3	3	2	2	1	1	2
	CEE 455 (General and Structures tracks)		3	2	1	1			1
	CEE 490		3	3	2		3	3	3
	CEE 440 (Sustainability track)		3	2				1	
	CEE 441 (Sustainability track)		2		2	1		2	
	Technical Elective Focus on Sustainability		See below ^{2,3}						
	Technical Elective		See below ^{2,3}						
PROGRAM OUTCOME SUM TOTAL ⁴			78	18	16	28	22	13	41

Notes:

1. “blank” = no emphasis; 1 = some emphasis; 2 = moderate emphasis; 3 significant emphasis
2. A list of technical electives (not included in the previous table) and their curriculum linkages to program outcomes are provided below in the table titled “Technical Electives”.
3. Three of the technical electives with focus on sustainability were listed before for the sustainability track. The table titled “Technical Electives with Focus on Sustainability” lists two additional technical electives with that focus and their curriculum linkages to program outcomes.
4. When calculating the program outcome sum total, the columns are summed using the lowest possible weighting scale for each track if students have a choice among courses (e.g., for outcome 1, CEE 462 has the lowest weighting scale among the CEE 46X courses; thus, it is used to compute the sum.) A generally slightly different number is obtained for each track. The reported value is the minimum for all the tracks.

Technical Electives

Course \ Outcomes	1	2	3	4	5	6	7
CEE 424	3	2	2	2	2	3	2
CEE 432	3	1	2	1	1	2	1
CEE 473	1	1	1	1	1		1
CEE 474	1	2	2	2	2		2
CEE 476	1	2		2			2
CEE 601, CEE 602, CEE 604, CEE 606, CEE 614, CEE 620, CEE 660, CEE 672, or CEE 688	2	1	1	1	1	1	2

Note: The emphases listed for CEE 6XX classes represent average values expected in these courses.

Technical Electives with Focus on Sustainability

Course \ Outcomes	1	2	3	4	5	6	7
BE 410	2	2		2			1
CEE 440	3	2				1	
CEE 441	2		2	1		2	
CEE 444	2	3	2		3	2	
GEOG 410	1	2		2			1
ME 453	1	2	1	1			1
OCN 435	2	2	1	2			2