

Civil Engineering Flow Chart (Sustainable Engineering Concentration) 12-13

Name: _____

Student ID No.: _____

Term	Course					Hours	Semester	Hours	Offered	Number	Title	Pre-Requisites						
	1	2	3	4	5													
Term 1	CHM 114	FSE 100	ENG 101	MAT 265	HU/SB	16	2	F,S	FSE 100	Intro Civ Eng	CEE Student							
	Gen Chem	Intro to CE	Fr. Comp.	Calc. I	Elective							ASU 101						
												ASU Exp						
	4	2	3	3	3							1						
Term 2	MAT 242	ENG 102	MAT 266	PHY121/122	CEE 181	15	3	F, S	CEE 181	Tech, Society & Sust.	CEE 100, MAT 266 (or 271), PHY 121/122							
	Lin Alg	Fr. Comp	Calc. II	Physics I	Tech/Soc/Sust													
	2	3	3	3+1	3													
	Term 3	CEE 210	MAT 267	PHY131/32	MAT 275							ECN	16	3	F, S, SU	CEE 210	Statics	CEE 210/211, MAT 275
		Statics	Calculus III	Physic II	Mod Diff Q							201/211/212						
3		3	3+1	3	3													
Term 4		Basic Sci	CEE 213	CEE 212	MAE 240	IEE 380	16	3	F, S	CEE 213	Def Solids	Dynamic						
		Elective	Def Solids	Dynamics	Thermo	Prob/Stats												
	3	3	3	4	3													
	Term 5	CEE 384	CEE 353	CEE 341	CEE 361								14	3	F, S, SU	CEE 353	CE Mat	Fluid Mech
		Num Meth	CE Mat	Fluid Mech	Environ Eng													
3		3	4	4														
Term 6		CEE 300	CEE 372	CEE 321	CEE 351		15	3	F, S, SU	CEE 300	Eng Bus	Trans Eng						
		Eng Bus	Trans Eng	Struc Dsgn	Geo Eng													
	3	4	4	4														
	Term 7	CEE 400	Design	SOS 300	CEE 494	Design							15	3	F, S, SU	PHY 121	Erth sys	Elective
		Erth sys	Elective	Adv Con Sus	Eng & Mat	Elective												
3		3	3	3	3													
Term 8		SB	Tech	CEE485	CEE 486		13	4	F, S, SU	CHM 114	Elective	Elect						
		Elective	Elect	Sust CE	Int Design													
	3	3	3	4														
	TOTAL 120																	

General Studies 15 hrs (5 classes)

HU	CEE 400
HU	CEE 181
SB	ECN
SB	
UD	CEE 400
C	
G	
H	CEE 400

DESIGN ELECTIVES

CEE 412, 420, 421, 441, 452, 462, 466, 475

TECH ELECTIVES

CEE 281, 412, 420, 421, 452, 474, 475, 481, 483, BIO 320, BCH 361, CHM 302, 341, PUP 442, 485

Recommended Basic Science: GLG 101

Recommended SB: GCU 141, 361, 362, 442

Recommended HU: CON 101, APH 100, PUP 200

Notes

F-Fall, S-Spring, SU-Summer

All pre-reqs are with a C min. unless otherwise specified

 Critical courses used for transfer students

3 (D)