

	Semester Course Hours						Semester Hours	Semester Offered	Course Number	Title	Pre-Requisites
Term 1	CHM 114	FSE 100	ENG 101	MAT 265	HU/SB	ASU 101	2	F, S	FSE 100	Intro to Civil Engineering	CEE student
	Gen Chem	Intro to CE	Fr Comp	Calc I	Elective	ASU Exp	3	F, S	CEE 181	Tech, Society & Sustain Systems	none
							3	F, S, SU	CEE 210	Statics	FSE 100, MAT 266, PHY 121/122
	4	2	3	3	3	1	16	3	F, S, SU	CEE 212	Dynamics
Term 2	MAT 242	ENG 102	MAT 266	PHY121/122	CEE 181		3	F, S	CEE 300	Engineering Business Practice	junior/senior standing, MAT 267
	Lin Alg	Fr Comp	Calc II	Physics I	Tech/Soc/Sust		4	F, S	CEE 321	Structural Analysis & Design	CEE 212, CEE 213, pre/co-req CEE 384
							4	F, S	CEE 341	Fluid Mechanics	CEE 212, CEE 213, pre/co-req CEE 384
	2	3	3	3+1	3		15	4	F, S, SU	CEE 351	Geotechnical Engineering
Term 3	CEE 210	MAT 267	PHY131/132	MAT 275	ECN		3	F, S, SU	CEE 353	Civil Engineering Materials	CEE 213
	Statics	Calc III	Physics II	Mod Diff Q	201/211/212		4	F, S, SU	CEE 361	Intro to Envrn Engineering	CEE 213, CHM 114 or CHM 116 (D), pre/co-req IEE 380 (D)
							4	F, S, SU	CEE 372	Transportation Engineering	CEE 213, pre/co req IEE 380 (D)
	3	3	3+1	3	3		16	3	F, S	CEE 384	Numerical Methods
Term 4	Basic Sci	CEE 213	CEE 212	MAE 240	IEE 380		3	F, S	CEE 400	Earth Systems Eng Mgt	CEE 300
	Elective	Def Solids	Dynamics	Thermo	Prob/Stats		3	S	CEE 485	Sustain Civil & Envrn Eng	CEE 300, MAT 242
							3	F, S	CEE 486	Integrated Civil Engineering Design	last semester and department consent
	3	3	3	4	3		16	3	S	CEE 494	Sustainable Energy & Materials
Term 5	CEE 384	CEE 353	CEE 341	CEE 361			4	F, S	MAE 240	Thermofluids I	CEE 212
	Num Meth	CE Mat	Fluid Mech	Env Eng			3	F, S, SU	IEE 380	Prob Stats Eng Prob Solving	MAT 266
							3	F, S, SU	MAT 242	Elementary Linear Algebra	MAT 265
	3	3	4	4			14	3	F, S, SU	MAT 265	Calculus for Engineers I
Term 6	CEE 300	CEE 372	CEE 321	CEE 351			3	F, S, SU	MAT 266	Calculus for Engineers II	MAT 265
	Eng Bus	Trans Eng	Struct Analys	Geo Eng			3	F, S, SU	MAT 267	Calculus for Engineers III	MAT 266
							3	F, S, SU	MAT 275	Modern Differential Equations	MAT 266
	3	4	4	4			15	3	F, S, SU	PHY 121	Univ Physics I: Mechanics
Term 7	CEE 400	Design	SOS 300	CEE 494	Design		1	F, S, SU	PHY 122	Univ Physics Lab I	pre/co-req PHY 121
	Erth Sys	Elective	Adv Con/Aprrch	Energy & Mat	Elective		3	F, S, SU	PHY 131	Univ Physics II: Elect & Mag	MAT 266, PHY 121, pre/co-req MAT 267
							1	S, SU	PHY 132	Univ Physics Lab II	pre/co-req PHY 131
	3	3	3	3	3		15	4	F, S, SU	CHM 114	General Chemistry
Term 8	SB	Tech	CEE485	CEE 486							
	Elective	Elective	Sust CE	Int Design							
	3	3	3	4							

General Studies - 15 hours (5 classes)

TOTAL: 120

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

TECHNICAL ELECTIVES

CEE 281, 412, 420, 421, 452, 474, 475, 481, 483, CON 453, BIO 320, BCH 361, CHM 302, 341, PUP 442, 485, CON 453

ENERGY ELECTIVE

SOS 494, CEE 494, MAE 494, MSE494, EGR 476

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 require a "C" minimum, unless otherwise specified

Technical and design electives can be replaced by independent study CEE 499 or 500-level courses for seniors with a GPA of 3.0 or better and an approved petition