

## Construction Engineering Flow Chart 13-14

	Semester Hours	Course Offered	Number	Title	Pre-Requisites
Term 1	4	CHM 114 Gen Chem			
	2	FSE 100 Intr Civ Engr			
	3	ENG 101 Fr. Comp.			
	3	MAT 265 Calc. I			
	3	HU/SB Elective			
	1	ASU 101 ASU Exp			
	16				
Term 2	2	MAT 242 Lin Alg			
	3	ENG 102 Fresh Comp			
	3	MAT 266 Calc. II			
	3+1	PHY121/122 Physics I			
	3	CON 101 Con Cult			
	15				
Term 3	3	CNE 210 Statics			
	3	MAT 267 Calculus III			
	3+1	PHY131/32 Physic II			
	3	MAT 275 Mod Diff O			
	3	ECN 211/212/201			
	16				
Term 4	3	CNE 243 Hvy Cn Eq			
	3	CNE 213 Def Solids			
	3	CNE 212 Dynamics			
	4	EEE 202 or MAE 240			
	3	CNE 271 Con Safety			
	16				
Term 5	4	CNE 383 Con Est			
	3	Basic Sci Elective			
	3	CNE 353 CE Materials			
	4	CNE 351 Geo Tech M			
	3	CON 389 Acc/Fin			
	17				
Term 6	4	CEE 321 Stuc Anal			
	3	CNE 241 Surveying			
	3	IEE 380 Prob & Stats			
	3	HU/SB Elective			
	13				
Summer	1	CON 484 Internship			
	1				
Term 7	3	CON 455 Proj Mgt II			
	3	Dsign Elect 420/421/452			
	4	Tech Elect			
	3	CON 495 Plan/Sched			
	13				
Term 8	3	Dsign Elect 420/421/452			
	3	CNE 496 CC Admin			
	3	CNE 400 Earth Syst			
	4	CNE 486 Int Design			
	13				
<p>General Studies 15 hrs 5 total classes)</p> <p>HU      CEE 400</p> <p>HU      CON 101</p> <p>SB      ECN</p> <p>SB</p> <p>UD      CEE 400</p> <p>C</p> <p>G      CON 101</p> <p>H      CEE 400</p>					
<b>TOTAL</b>		<b>120</b>			
<p><b>DESIGN ELECTIVES</b></p> <p>3 F, S, SU CEE 420 Steel Structures CEE 321</p> <p>3 S CEE 421 Concrete Structures CEE 321</p> <p>3 F, S, CEE 452 Foundations CEE 351</p> <p>4 F, S, SU EEE 202 Circuits MAT 274</p> <p>4 F, S, SU MAE 240 Thermofluids I CEE 212</p> <p>3 F, S, SU IEE 380 Prob Stats Engr Prob Solv MAT 266 or Mat 271</p> <p>3 F, S, SU MAT 265 Calc Analyt Geom I Grade of "C" or better in MAT 170 or equiv</p> <p>3 F, S, SU MAT 266 Calc Analyt Geom II MAT 265 w/grade of "C" or better</p> <p>3 F, S, SU MAT 267 Calc Analyt Geom III MAT 266 w/grade of "C" or better</p> <p>3 F, S, SU MAT 275 Elem Diff Equns MAT 267</p> <p>3 F, S, SU MAT 242 Elem Linear Algebra MAT 265 or MAT 270</p> <p>3 F, S, SU PHY 121 Univ Physics I: Mech MAT 265</p> <p>1 F, S, SU PHY 122 Univ Physics I Lab Pre or co-req PHY 121</p> <p>3 F, S, SU PHY 131 Univ Phys II: Elec Mag PHY 121; MAT 251; co-req MAT 252</p> <p>1 F, S, SU PHY 132 Univ Physics II Lab pre-or co-req PHY 131</p> <p>4 F, S, SU CHM 114 General Chemistry 1 year high school chemistry</p>					
<p><b>Basic Scienc Elective (3 hours)</b> GLG 101 recommended</p> <p><b>Technical Electives (4 hours)</b> CEE 372, CON 310, CON 345 (4 hours) *CEE 281, 412, 420, 421, 423, 440, 441, 452, 462, 466, 467, 474, 475, 483 (3 hours) *CON 494 Trenchless Construction(3) CON 296 Internship, CEE 494 Concrete Canoe, CEE 494 Steel Bridge (1 hour)</p> <p style="text-align: center;">Notation: F-Fall, S-Spring, SU-Summer</p> <p style="text-align: center;"><b>**All pre-reqs are with a C min. unless otherwise specified</b></p>					