

Environmental Engineering 2016-2017

Term	Course	Semester Offered	Course Number	Title	Pre-Requisites
Term 1	CHM 114 Gen Chem	F, S	FSE 100	Intro Environmental Engineering	CEE student
	FSE 100 Intro to EVE	F, S	EVE 214	Environmental Mechanics	MAT 266, PHY 121/122
	ENG 101 Fr Comp	F, S	EVE 261	Environmental Process	FSE 100??
Term 2	MAT 242 Lin Alg	F, S, SU	CEE 300	Engineering Business Practice	Jr or Sr: MAT 267 with a C or better
	ENG 102 Fr Comp	F, S	EVE 302	Environmental Process II	EVE 261
	MAT 266 Calc II	F, S, SU	CEE 341	Fluid Mechanics	CEE 212, CEE 213, pre/co-req CEE 384
Term 3	EVE 214 Env Mech	F, S, SU	CEE 351	Geotechnical Engineering	CEE 213
	MAT 267 Calc III	F, S, SU	CEE 361	Intro to Envrn Engineering	CEE 213, CHM 114 or CHM 116 (D), pre/co-req IEE 380 (D)
	PHY131/132 Physics II	F, S, SU	CEE 384	Numerical Methods	MAT 242, MAT 275, pre/co-req MAT 267
Term 4	CHE 211 Chem Proc	F, S, SU	CEE 400	Earth Systems Eng Mgt	CEE 300
	EVE 261 Env Proc I	F	CEE 440	Hydrology	CEE 341 or MAE 340
	HU/SB Elective	S	CEE 441	Water Resource Engineering	CEE 341
Term 5	EVE 302 Env Proc II	S	CEE 462	Unit Operations	CEE 361
	CEE 351 Geo Eng	F	CEE 466	Urban Water System Design	CEE 341, CEE 361
	CEE 341 Fluid Mech	F	CEE 467	Environmental Microbiology	CEE 361 or MIC 220
Term 6	EVE 484 Environmental Practicum	F, S	EVE 486	Integrated Environment Eng Design	last semester and department consent
	CEE 384 Num Meth	SU	EVE 484	Internship	Senior in EVE??
	EVE 303 Materials	F, S, SU	IEE 380	Prob Stats Eng Prob Solving	MAT 266
Term 7	CHE 469 Air Qlty	S	ERM 401	Hazardous Waste Management	Chem 116
	CEE 440/444 Hydro	F, S	CHE 211	Intro to Chemical Processing	CHM 116, MAT 266
	CEE 466/470 Urb Water	S	CHE 342	Intro To Applied Chem Thermo	CHE 211
Term 8	ERM 401 Haz Waste	F	CHE 469	Air Quality	CHE 342 or CEE 361
	Tech Elec	F, S, SU	MAT 242	Elementary Linear Algebra	MAT 265
	CEE 462 Unit Op	F, S, SU	MAT 265	Calculus for Engineers I	MAT 170 or equiv
General Studies - 15 hours (5 classes)					
HU	CEE 400				
SB	ECN				
UD	CEE 400				
C					
G					
H	CEE 400				
TECHNICAL ELECTIVES					
CEE 281, 412, 420, 421, 452, 474, 481, 483, 493, 495, BIO 320, BCH 361, CHM 302, 341, PUP 442, 475					
Recommended Basic Science: CHGLG 101, CHM 231					
Recommended SB: COM 100, 110, 320, GCU 141, 361, 442					
Recommended HU: CEE 181, CON 101, APH 100, PUP 100, 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					

TOTAL: 120