

Subject to Change

CEE Undergrad Courses: 2009-2010

As of 05/06/09

Cours	Title	Cr	CEE Program Reqmts	Prereq	AUT	WIN	SPR	SUM
100	21st Cent CEE	1	Gen elec cr only			WI10		
220	Intro to Mechanics of Materials	4		A A 210	AU09	WI10	SP10	SU10
250	Environmental Pollution	2	NW				SP010	
306	Constr Engr I	3			AU09			
316	Surveying Engr	4		MATH 126; Recommended: Statistics	AU09			
320	Transp Engr I	3		MATH 126; PHYS 121	AU09		SP10	
342	Fluid Mechanics	4		CEE 220; M E 230; PHYS 122	AU09	WI10		
345	Hydraulic Engr	4		CEE 342		WI10	SP10	
350	Envir Engr I	4		CHEM 142; MATH 126		WI10		
360	Sustainability in Civil Engineering	3		MATH 124, PHYS 121, CHEM 142			SP10	
363	Constr Materials	4		CEE 220	AU09		SP10	
366	Basic Soil Mechanics	4		CEE 220; CEE 342		WI10	SP10	
379	Elem Structures I	3		CEE 220	AU09	WI10		
380	Elem Structures II	4		CEE 379		WI10	SP10	
391	Graphics Comm & Computer-Aided	3		MATH 124		WI10	SP10	
392	Basic Civil Engr Computing (MatL)	1		CEE 220. Waived if AMATH 301 is taken.	AU09			
404	Infrastructure Constr	4	Construction Core	CEE 306		WI10		
410	Traffic Engr Fundamentals	3	Transportation Core	CEE 320		WI10		
412	Trans Data Mgmt	3	Transportation Core			WI10		
416	Urb Trans Planning Design	3	Transportation Core	CEE 320	AU09			
418	Computer-Aided Planning of Urban	3						
421	Pavement Design	3	Construction Core		AU09			
424	GIS for Civil Engrs	3		CEE 316	AU09			
425	Reinforced Concrete Constr	3	Construction Core				SP10	
428	Lightweight Cementitious Compos	2			AU09			
431	Seismology & Earthquake Engr	3		Either MATH 136 or both MATH 307 & 308			SP10	
436	Foundation Design	3	Geotechnical Core	CEE 366	AU09			
437	Engineering Geology	3	Geotechnical Core				SP10(funding?)	
440	Prof'l Practice Studio	2			AU09			
441	Transp & Constr Capstone	4	Capstone	CEE 320; 440 may be concurrent			SP10	
442	Structural Geotech Capstone Desi	4	Capstone	CEE 440; two courses from CEE 436, 451-454, or 457			SP10	
444	Water Resources Hydra Capstone Design (jt w/445)	4	Capstone	CEE 345, CEE 440, and one of CEE 475, 476, 482-484			SP10	
445	Environmental Capstone Design (jt w/444)	4	Capstone	CEE 345, CEE 440, and one of CEE 475, 476, 481-484			SP10	
451	Design of Metal Structures	3	Structural core	CEE 380; recommended CEE 457 or 458		WI10		

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452	Design Reinf Concrete Structures	3	Structural core	CEE 380	AU09			
453	Prestressed Concrete Design	3	Structural core	CEE 452		WI10		
454	Design Timber Structures	3	Structural core	CEE 380	AU09			
455	Struc Unit Masonry	3	Structural core	CEE 380			SP10	
457	Advanced Struc I	3	Structural core	CEE 379	AU09			
458	Advanced Structures II	3		CEE 457				
459	Adv Structural Mechanics	3		CEE 379				
462	Applied Limnology & Pollutant Effe	3	Environmental Core		AU09			
463	Limnology Lab	2			AU09			
472	Intro to Hydraulics in Water Resou	3		CEE 342, 345				
473	Coastal Engineering I	3		CEE 342				
474	Hydraulics of Sediment Transp	3	Water Core	CEE 345		WI10		
475	Analysis Techniques for Groundwa	3	Water Core	CEE 342		WI10		
476	Physical Hydrology	3	Water Core	CEE 345	AU09			
477	Open-Channel Engr	3	Water Core	CEE 345			SP10	
480	Air-Quality Modeling	3	Environmental Core			WI10		
481	Hydraulic Design for Env'l Engr	3	Environmental Core	CEE 345 and 350	AU09			
482	Wastewater Treatmt & Reuse	3	Environmental Core	CEE 350	AU09			
483	Drinking Water Treatmnt	3	Environmental Core	CEE 350		WI10		
484	Decentralized and On-Site Wastev	3	Environmental Core	CEE 350				
485	Env Engineering Chemistry	3						
486	Envir Analysis Lab	3						
487	Solid-Waste Disposal	3						
488	Hazardous Wastes Engr	3						
489	Water and Air Qality Sampling	2		CEE 462				
490	Air-Pollution Control	4	Environmental Core		AU09			
491	Deterministic Systems	3		CEE 390				
492	Stochastic Systems	3		CEE 491				
493	Air Pollution Source Testing & Equ	3						
494	Air Pollution Control Equip Design	3				WI10		
495	Sustainability & Design for Environ	3				WI10		
498	Special Topic: Leadership Semina	1					SP10	
498	Special Topic: Water Center (Steir	1			AU09	WI10	SP10	
498	Special Topic: Hazards (Berman o	3						
498	Special Topic: Intro to Environmen	3						
499	Special Projects	1-5, max 5			AU09	WI10	SP10	

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Summary of Changes (as of 5/6/09 from 4/9/09 version)								
410	Offer in WI10.							
412	Offer in WI10. Withdrawn from SP10.							
416	Withdrawn from WI10.							
424	Withdrawn from SP10.							
437	SP10 offering is pending funding.							
455	SP10 offering is pending funding.							
458	Withdrawn from WI10.							
475	Offer in WI10.							
480	Withdrawn from AU09. Offer in WI10.							
491	Withdrawn from AU09.							
493	Withdrawn from SP10.							