

Capstone and Core Courses  
2007-08

As of May 2007

Course	Title	Cr	Prereq	AU07	WI08	SP08
<b>Capstone</b>						
441	Transp & Constr Capstone	4	CEE 320; 440 may be concurrent			SP08
442	Structural Geotech Design Project	4	CEE 440; two courses from CEE 436, 451-454, or 457			SP08
445	Combined Water/Environmental	4	CEE 345, CEE 440, and one of CEE 475, 476, 482, 484, or 484			SP08

**Construction Core**

404	Infrastructure Constr	4	CEE 306		WI08	
421	Pavement Design	3		AU07		
425	Reinforced Concrete Constr	3				SP08

**Transportation Core**

410	Traffic Engr Fundamentals	3	CEE 320		WI08	
412	Trans Data Mgmt	3			WI08	
416	Urb Trans Planning Design	3	CEE 320	AU07		

**Geotechnical Core**

436	Foundation Design	3		AU07		
437	Engineering Geology	3				SP08

**Structural core**

451	Design of Metal Structures	3	CEE 380	AU07		
452	Design Reinf Concrete Structures	3	CEE 380	AU07	WI08	
453	Prestressed Concrete Design	3			WI08	
454	Design Timber Structures	3			WI08	
455	Struc Unit Masonry	3	CEE 380			SP08
457	Advanced Struc I	3	CEE 380	AU07		

**Water Core**

474	Hydraulics of Sediment Transp	3	CEE 345		WI08	
476	Physical Hydrology	3		AU07		
477	Open-Channel Engr	3	CEE 345			SP08

**Environmental Core**

481	Hydraulic Design for Env'l Engr	3	CEE 345 and 350		WI08	
482	Wastewater Treatmt & Reuse	3	CEE 350	AU07		
483	Drinking Water Treatmnt	3	CEE 350		WI08	
490	Air-Pollution Control	4		AU07		