

(Updated April 2015)

	Number	Title		Credits	Fall 2015	Spring 2016	Fall 2016	Spring 2017
CAE General								
	CE 2070	Engineering Surveying		3	Rehwaldt	Rehwaldt	Rehwaldt	Rehwaldt
	CE 2100	Civil Engineering Systems		3	Kobbe		Discontinued	
	CE/ARE 3100	Civil and Architectural Engineering Practice		3		Kobbe		Staff
	CE 3900	Engineering Economics and Decision Making		3	Staff	Staff	Staff	Discont.?
	CAE 1000-01	VISTA Studio I		3	Kobbe			Staff
	CAE 1000-02	VISTA Studio I		3	Brant			Staff
	CAE 2000-01	VISTA Studio II	starts Fall '17	3				Staff
	CAE 2000-02	VISTA Studio II	starts Fall '17	3				Staff
	CAE 3000-01	VISTA Studio III	starts Fall '18	3				
	CAE 3000-02	VISTA Studio III	starts Fall '18	3				
	CE 1010	Civil Engineering Tools	Spring	3		Staff		Staff
	CE 3010	Civil Engineering Design	starts Spring '19	3				

ARE General

	Number	Title		Credits	Fall 2015	Spring 2016	Fall 2016	Spring 2017
	ARE 2100	Architectural Engineering Graphics		3		Now ARE 1600 (see below)		
	ARE 2200	Building Materials and Construction Methods		3		Now ARE 2600 (see below)		
	ARE 2410	Fundamentals of Building Performance		3	Gardz.	Gardz.		Gardz.
	ARE/ART 3030	History of Architecture	Fall	3	Denzer		Denzer	
	ARE 1600	Architectural Design Studio I	formerly ARE 2100	3	Gardz.	Gardz.	Gardz.	Gardz.
	ARE 2600	Architectural Design Studio II	formerly ARE 2200	3		Denzer	Denzer	
	ARE 3600	Architectural Design Studio III		3	Newman		Denz./Gardz.	
	ARE 4600	Architectural Design Studio IV		3	Gardz.	Gardz.		Denz./Gardz.
	ARE 5600	Collaborative BIM Design		3			Gardz.	

ARE Mechanical

	ARE 3300	Bldg Elec & Plumbing Systems	Spring	3		Kobbe		Kobbe
	ARE 3360	Transport Phenomena		3	ME Dept	ME Dept	ME Dept	ME Dept
	ARE 3400	HVAC of Buildings	Fall	3	Wang		Wang	
	ARE 4330	Building Electrical Systems	Fall	3	Tan		Tan	
	ARE 4390	Building Safety and Fire Protection		3				
	ARE 4430	HVAC Sys Analysis & Design	Spring even years	3		Wang		
	ARE 4490	Model Energy Syst	Spring odd years	3				Wang
	ARE 4740	Mech Sys Design	Spring	4		Tan		Tan
	ARE 5700	Arch Engr Problems		3	Wang		Wang	

Structures

	ARE/CE 3200	Structural Analysis I		3	Mukai	Barker	Staff	Barker
	ARE/CE 3210	Civil Engineering Materials		3	Tanner	Kobbe	Staff	Kobbe
	ARE/CE 4200	Structural Analysis II	Fall	3	Puckett		Puckett	
	ARE/CE 4250	Structural Steel Design	Fall	3	Judd		Judd	
	ARE/CE 4260	Structural Concrete Design		3		Tanner		Tanner
	ARE/CE 4280	Reinforced Masonry Design		3			Tanner	
	ARE/CE 4295	Structural Timber Design		3		Judd		
	ARE 4720	Structural Sys Design Project	Spring	4		Staff		Staff
	CE 4900	CDE in Structural Engineering		3		Mukai		Staff
	CE 5010	Adv Mechanics of Materials		3	Mukai			
	CE 5040	Finite Element Analysis (ME)		3	ME Dept		ME Dept	
	CE 5200	Advanced Structural Analysis		3		Puckett		
	CE 5220	Structural Dynamics		3			Tanner	
	CE 5255	Advanced Steel Design		3		Barker		
	CE 5260	Prestressed Concrete Design		3	Tanner			Tanner
	CE 5270	Highway Bridge Engineering		3			Puckett	

Environmental

	CE 3400	Intro Environmental Engineering		3	Colberg	Brant	Brant	Urynowicz
	CE 4400	Design Water Treatment Facilities		3				Brant
	CE 4410	Design Wastewater Treatment Facilities		3		Colberg		Not offered
	CE 4440	Solid Waste Engineering		3				Urynowicz
	CE 4900	CDE - Envr Engineering		3	Bellamy + Brant		Bellamy + Urynowicz	
	CE 5400	Advanced Water Treatment		3	Not offered	Brant		
	CE/CHE 5410	Adv Biol Wastewater Treatment		3				Bagley
	CE 5425	Envr Engineering Microbiology		3	Colberg			
	CE 5430	Envr Engineering Chemistry		3				Urynowicz
	CE 5435	Envr Transport Processes		3			Urynowicz	
	CE 5445	Hazardous Waste Site Remediation		3				Not offered
	CE/ENVE 5450	Adv Phys Chemical Treatment		3			Brant	
	CE 5700	Sustainability in the Built Environment		3		Bellamy		Bellamy

Geotechnical

	CE 3600	Soil Mechanics I		3	Ng	staff	staff	staff
	CE 4610	Foundation Engineering		3	Ng			
	CE 4620	Soil and Rock Slope Engineering		3		Ng		
	CE 4630	Geotechnical Engineering		3				
	CE 4820	Groundwater and Drainage (see water schedule)		3			TBD	TBD
	CE 5620	Design of Earth Retaining Structures		3				
	CE 5810	Groundwater Hydrology (see water schedule)		3				
	CE 5820	Small Earth Dams		3				
	CE 5830	Porous Media		3				

Transportation

	CE 3500	Transportation Engineering	Fall	3	Kladianos		Ahmed	
	CE 4510	Pavement Design		3		Ksaibati		
	CE 5510							
	CE 4530	Traffic Operations		3	Ahmed			Ahmed
	CE 5530							
	CE 4555	Geometric Design		3			Kladianos	
	CE 5555							
	CE 4900	CDE Transportation				Ahmed (1 Credit)	Ahmed (2 credits)	Kladianos (1 Credit)
	CE 5560	Traffic Safety		3		Ahmed		
	CE 5570	Transportation Planning		3				
	CE 5590	Pavement Materials		3			Ksaibati	
	CE 5575	Intelligent Transportation Systems		3	Ahmed			
	CE 5585	Pavement Management Systems		3	Ksaibati			Ksaibati
	CE 5700	Traffic Simulation		3				
	CE 5700	TLN Course		1	Ksaibati	Ksaibati	Ksaibati	Ksaibati

Water

	CE 3300	Hydraulics Engineering		3	Zhu	Ohara	Ogden	Ettema
	CE 4350	Design of Hydraulic Engineering Systems					Ettema	
	CE 4800	Hydrology		3		Zhu		
	CE 4820	Groundwater and Drainage Engineering		3	Ohara			Ohara
	CE 4900	CDE Water Res		3		Ettema		Ogden
	CE 5300	Open Channel Hydraulics		3				Ohara
	CE 5700	Hydroinformatics		3				
	CE 5700	Remote Sensing in Hydrology		3	Ohara			
	CE 5810	Groundwater Hydrology		3			Zhu	
	CE 5830	Porous Media		3				Zhu
	CE 5850	Advanced Subsurface Hydrology		3	Zhu			
	CE 5865	Deterministic Hydrology		3				
	CE 5870	Water Resources Engineering		3	Ettema			
	CE 5875	Probabilistic Hydrology		3		Ohara		
	CE 5880	Advanced Hydrology		3			Ohara	
	CE 5885	Hydrometeorology		3			Ogden	
	ENR 5890	Western Water Issues		3				