



Electives for BSCE – General Program
(Effective Fall 2016)

Basic BSCE Science Electives

CODE	COURSE #	TITLE	SEMESTER	PREREQUISITES
GG	4153	Engineering Geology	As Available	Waived for CEE Students with EM 2413
GG	4433	Subsurface Methods	As Available	Waived for CEE Students with EM 2413
GG	4503	Geomorphology	As Available	Waived for CEE Students with EM 2413

CE Electives

CODE	COURSE #	TITLE	SEMESTER	PREREQUISITES
CE	4000	Directed Individual Study	Fall-Spring	Consent of Instructor
CE	4103	Pavement Mat & Des	Fall	C or better in CE 3313
CE	4133	Geo Design Of Hwys	Fall	C or better in CE 3113
CE	4143	Traffic Engineering	Spring	C or better in CE 3113 and ST 3123
CE	4153	Freight Transport Sys Analysis	As Available	C or better in CE 3113
CE	4163	Urban Transportation Planning	Fall	C or better in CE 3113
CE	4183	Water Transportation	As Available	C or better in CE 3113
CE	4313	Advanced Concrete Mat'ls	As Available	C or better in CE 3313
CE	4433	Foundations	Spring	C or better in CE 3413
CE	4513	Engineering Hydrology	Spring	C or better in CE 3823
CE	4523	Open Chan Hydraulics	Fall	C or better in CE 3503
CE	4533	Comp Water Res	Fall	C or better in CE 3503
CE	4563	Sedimentation Engineering	As Available	C or better in CE 4523
CE	4583	Stream Reconnaissance	As Available	Consent of Instructor
CE	4703	Constr Eng Management	Fall	Within 30 CE hours of graduation
CE	4733	Const Eng Equipt & Mthds	As Available	Consent of Instructor
CE	4743	Analysis and Mitigation of C2D	As Available	Consent of Instructor
CE	4843	Environ Engineering Chemistry	As Available	C or better in CE 3823 & CE 3503
CE	4863	Water and Wastewater Engrg	Spring	C or better in CE 3823
CE	4883	Engineered Environ. Systems	Fall	C or better in CE 3823 & CE 3503
CE	4893	Hazardous Waste Management	As Available	Consent of Instructor
CE	4913	Matrix Analysis of Structures I	As Available	C or better in CE 3603
CE	4923	Structural Dynamics	Fall	C or better in CE 3603
CE	4963	Steel Structures I	Fall	C or better in CE 3603
CE	4973	Concrete Structures I	Spring	C or better in CE 3603
CE	4983	Wood Structures	As Available	C or better in CE 3603
CE	4993	Pre-stressed Concrete Structures	As Available	C or better in CE 4973
CE	4990	Special Topic In CE	As Available	Consent of Instructor
CE	4990	Special Topic	As Available	Consent of Instructor