



New Mexico State University
 Civil Engineering Department
 BSCE Program, 2016-2017 Catalog, 127 credits

Recommended four year plan							Offered			
Sem	Dept	No.	Title	Credits	Co-Req	Pre-Req	Fa	Sp	Su	
1	CHEM	111	Chemistry 1	4	15		B in HS Chemistry	x	x	x
	ENGL	111	English Composition	4			Engl ACT≥16	x	x	x
	ENGR	100	Intro to Engineering	3		≥ MATH 121		x	x	
	MATH	191	Calculus 1	4			Math Placement Exam	x	x	x
2	CE	151	Intro to CE, Tech Graphics	3	17		ENGR 100	x	x	
	ENGL	218	Technical Writing	3			ENGL 111	x	x	x
	Gen	101	General Ed Area V	3				x	x	x
	MATH	192	Calculus 2	4			MATH 191	x	x	x
	PHYS	215	Physics 1 for Engineers	3			MATH 191	x	x	x
	PHYS	215L	Physics 1 for Engineers Lab	1			PHYS 215	x	x	x
3	CE	233	Statics	3	17		PHYS 215, MATH 192	x	x	x
	CE	256	Environmental Science	3			CHEM 111, MATH 191	x	x	
	CE	256L	Environmental Science Lab	1			CE 256	x	x	
	COMM	265	Princ. Of Communication	3				x	x	x
	MATH	291	Calculus 3	3			MATH 192	x	x	x
	PHYS	216	Eng. Physics II	3			PHYS 215	x	x	x
	PHYS	216	PHYS 216 LAB	1			PHYS 216	x	x	x
4	CE	234	Dynamics	3	16		CE 233	x	x	
	CE	301	Mechanics of Materials	3			CE 233	x	x	x
	GEOL	111	Geology for Engineers	4				x	x	
	MATH	392	Differential Equations	3			MATH 192	x	x	x
	SUR	222	Surveying	3			MATH 190	x	x	
5	CE	311	Civil Engineering Materials	3	17		CE 301	x	x	
	CE	315	Structural Analysis	4			CE 301	x	x	
	CE	331	Fluid Mech and Hydraulics	4			CE 233	x	x	
	CE	357	Soil Mechanics	3			CE 301, GEOL 111	x	x	
	STAT	371	Statistics for Engineers & Sci.	3			MATH 192	x	x	x
6	CE	356	Environmental Engineering	3	15		CE 256	x	x	
	CE	382	Hydraulic and Hydrologic Eng.	3			CE 331	x	x	
	CE	457	Foundation Design	3			CE 357		x	
	CE	471	Transportation Engineering	3			MATH 291		x	
	ECON	251/2	Gen Ed IV/ECON 251/252	3				x	x	x
7	CE	445	Concrete Design	3	15	CE 311	CE 315	x	x	
	CE	477	Engr Econ and Construction	3			STAT 371, CE 357	x		x
	CE	4??	CE Option Elective	3			Varies - See catalog	x	x	
	Gen	102	General Ed Area IV	3				x	x	x
	VWW	301	Viewing a Wider World	3				x	x	x
8	CE	4??	CE Option Elective	3	15		Varies - See catalog	x	x	
	CE	4??	Capstone Design	3			Senior standing, varies - see catalog	x	x	
	Gen	103	General Ed Area V	3				x	x	x
	Gen	104	General Ed Area VI or V	3				x	x	x
	VWW	302	Viewing a Wider World	3				x	x	x