

Department of Construction Management and Engineering
North Dakota State University

Technical Electives for BS in Construction Engineering Program

Course No.	Title	Credits	Prerequisites
Highly Recommended Electives			
CM&E 465	Bridge Engineering & Management	3	Senior standing
CM&E 475	Design of Site Erosion Control	3	Senior standing
CE 404	Reinforce Concrete	3	CE 343
CE 419	Pavement Design	3	CE 303
CE 430	Timber and Form Design	3	ME 223
CE 444	Structural Steel Design	3	CE 343
Recommended Electives			
CE 408	Water Resources and Supply	3	CE 309
CE 411	Design of Pre-stressed Concrete	2	CE 404
CE 417	Slope Stability and Retaining Walls	3	CE 316
CE 421	Open Channel Flow	3	CE 309
CE 441	Finite Element Analysis	3	CE343
CE 461	Foundation Engineering	3	CE 316
CE 462	Designing with Geosynthetics	2	CE 316