

**NORTH DAKOTA STATE UNIVERSITY
CONSTRUCTION ENGINEERING TECHNICAL ELECTIVES OFFERED**

Highly Recommended Electives

Course No.	Title	Cred	Prerequisites
CM&E 431	Sustainable Design and Construction	3	CM&E Program/Junior Standing
CE 404	Reinforced 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

New Elective offered in Fall 2023

Course No.	Title	Credits	Prerequisites
CM&E 499	System Dynamics Modeling and Analysis for Engineers	3	Junior Standing

Recommend Electives

Course No.	Title	Credits	Prerequisites
CM&E 465 or	Bridge Engineering and Management	3	CM&E Program/Senior Standing
CE 425	Bridge Evaluation and Rehabilitation	3	CE 404 and CE 343
CM&E 475	Design of Site Erosion Control	3	CE 309
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 461	Foundation Engineering	3	CE 316
CE 462	Designing with Geosynthetics	2	CE 316

Updated: 03/20/2023