

# CONSTRUCTION ENGINEERING

Curriculum Guide ~ **Effective Fall 2023** ~ North Dakota State University

(F) Fall only classes - (S) Spring only classes

Minimum 2.50 CGPA required (external/internal transfer students)

Name: \_\_\_\_\_ ID #: \_\_\_\_\_ Adviser: \_\_\_\_\_

FALL SEMESTER					SPRING SEMESTER					General Education (Gen Ed) Requirements			
Course	Gen Ed	Title	Crdt	Gr	Course	Gen Ed	Title	Crdt	Gr	Category	Gen Ed	Crdt	
CM&E 111 (F)		Intro to CM&E	1		CM&E 212		Const Graphic Comm	3		<b>A Humanities/ Fine Arts (6 credits)</b>			
CM&E 200		Const Doc & Codes	3		MATH 166		Calculus II	4			A&D	3	
MATH 165	R	Calculus I	4		ENGL 120	C	College Comp II	3			A	3	
ENGL 110	C	College Comp I	3		CHEM 122	S	Gen Chemistry II	3		<b>B Social/ Behavior Sciences (6 credits)</b>			
CHEM 121	S	Gen Chemistry I	3		ME 221		Engr Mechanics I	3		ECON105/201/202	B/G	3	
CHEM 121 L	S	Chem I Lab	1		ECON105/201/202	B/G	Economics	3			B	3	
Semester Total					Semester Total					<b>D Cultural Diversity</b>			
15					19								
CM&E 204 (F)		Constr Surveying	3		CM&E 240 (S)		Constr Fin/Cost	3		<b>G Global Perspectives</b>			
Soc. Behav. Elect**	B		3		PHYS 252		Univ Physics II	4		ECON**	G		
MATH 128		Intro Linear Algebra	1		COMM 110	C	Fund Public Speak	3		<b>W - Wellness</b>			
MATH 259		Multivariate Calculus	3		MATH 266		Diff Equations	3			L	2	
ME 222		Eng Mechanics II	3		ME 223		Mech of Materials	3		<b>KEY</b>			
GEOL 105(F)/106(S)	S	Geology	3		Wellness	W		2		<b>General Education Categories:</b>			
Semester Total					Semester Total					A - Humanities/ Fine Arts			
16					18					B - Social/ Behavioral Sciences			
CM&E 305 (F)		Pre-Construct. Mgmt.	3		CM&E 301 (S)		Constr Tech & Equip	3		C - Communications			
CM&E 380 (F)		Constr Estimating	3		CM&E 315 (S) or 715**		Specs & Contracts	3		D - Cultural Diversity # (take as a Humanities)			
CE 309		Fluid Mechanics	3		CE 303 (S)		CE Materials	2		G - Global Perspectives			
CE 316 (F)		Soil Mechanics	3		CE 303L (S)		CE Materials Lab	1		R - Quantitative Reasoning			
STAT 330		Intro to Statistics	3		CE 343 (S)		Structural Analysis	4		S - Science & Technology			
Semester Total					Semester Total					W - Wellness (Minimum 2 credits)			
15					16								
CM&E 403 (F) or 603**		Scheduling	3		CM&E 489		Const Design Capstone	3					
4XX *		Technical Elective	3		4XX *		Technical Elective	3					
4XX *		Technical Elective	3		4XX *		Technical Elective	3					
ENGL 320 or 321	C	Writing (Busn/Tech)	3		ENGR 327	A	Ethics, Engr, and Tech	3					
Hum & Diversity	A&D		3		BUSN 431		Business Law	3					
Semester Total					Semester Total								
15					15								
<b>TOTAL CREDITS</b>									<b>129</b>				

\* Refer to list of Construction Engineering Technical Electives (minimum 12 credits)

\*\* Accelerated Master's (4+1) program will allow students to take up to 9 credits of graduate-level courses that can be used to fulfill both the undergraduate-level and graduate-level curriculum requirements.

A separate application of 4+1 program applies.