

CONSTRUCTION ENGINEERING

Curriculum Guide ~ **Effective Fall 2022** ~ 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		A Humanities/ Fine Arts (6 credits)			
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	4		CHEM 122	S	Gen Chemistry II	3		B Social/ Behavior Sciences (6 credits)			
CHEM 121	S	Gen Chemistry I	3		ME 221		Engr Mechanics I	3		ECON105/201/202	B/G	3	
CHEM 121 L	L	Chem I Lab	1		ECON105/201/202	B/G	Economics	3			B	3	
										D Cultural Diversity			
Semester Total			16		Semester Total			19			D		
CM&E 204 (F)		Constr Surveying	3		CM&E 240 (S)		Constr Fin/Cost	3		G Global Perspectives			
Soc. Behav. Elect**	B		3		PHYS 252	S	Univ Physics II	4		ECON**	G		
MATH 128		Intro Linear Algebra	1		COMM 110	C	Fund Public Speak	3		L Co-Requisite Lab			
MATH 259		Multivariate Calculus	3		MATH 266		Diff Equations	3			L	1	
ME 222		Eng Mechanics II	3		ME 223		Mech of Materials	3		W - Wellness			
GEOL 105(F)/106(S)	S	Geology	3		Wellness	W		2			L	2	
Semester Total			16		Semester Total			18		KEY			
CM&E 305 (F)		Pre-Construct. Mgmt.	3		CM&E 301 (S)		Constr Tech & Equip	3		General Education Categories:			
CM&E 380 (F)		Constr Estimating	3		CM&E 315 (S) or 715**		Specs & Contracts	3		A - Humanities/ Fine Arts			
CE 309		Fluid Mechanics	3		CE 303 (S)		CE Materials	2		B - Social/ Behavioral Sciences			
CE 316 (F)		Soil Mechanics	3		CE 303L (S)		CE Materials Lab	1		C - Communications			
STAT 330	R	Intro to Statistics	3		CE 343 (S)		Structural Analysis	4		D - Cultural Diversity # (take as a Humanities)			
					CM&E 405 (S) or 605**		Support Operations	3		F - First Year Experience			
Semester Total			15		Semester Total			16		G - Global Perspectives			
CM&E 403 (F) or 603**		Scheduling	3		CM&E 489		Const Design Capstone	3		L - Co-Requisite Lab			
4XX *		Technical Elective	3		4XX *		Technical Elective	3		R - Quantitative Reasoning			
4XX *		Technical Elective	3		4XX *		Technical Elective	3		S - Science & Technology			
ENGL 320 or 321		Writing (Busn/Tech)	3		ENGR 327	A	Ethics, Engr, and Tech	3		W - Wellness (Minimum 2 credits)			
Hum & Diversity	A&D		3		BUSN 431		Business Law	3					
Semester Total			15		Semester Total			15					
TOTAL CREDITS								130					

* 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.