CONSTRUCTION ENGINEERING

Curriculum Guide ~ Effective Fall 2021 ~ 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	С	College Comp II	3			A	3	
ENGL 110	С	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		ECON**	B/G	3	
CHEM 121 L	L	Chem I Lab	1		ECON**	B/G	Economics	3			В	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**	В		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 or 106	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 E		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		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		Humanities Elect A			3		W - Wellness (Minimum 2 credits)						
Hum & Diversity	A&D		3		BUSN 431		Business Law	3					
ENGR 402		Engr. Ethics/Soc Res	1										
Semester Total 16 Semester Total						15							
TOTAL CREDITS							131						

^{*} Refer to list of Construction Engineering Technical Electives (minimum 12 credits)

^{**}To satisfy the Gen Ed Category B requirements, a student can choose between two options: ECON 105 plus an additional course within Category B OR ECON 201 and ECON 202. Both options satisfy the Gen Ed Category G requirement.

^{***} 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.