

CONSTRUCTION ENGINEERING

Curriculum Guide ~ **Effective Fall 2018** ~ 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		ECON**		B/G	3	
CHEM 121 L	L	Chem I Lab	1		ECON**	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 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 Estimating	3		CM&E 315 (S)		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)		Support Operations	3		F - First Year Experience				
Semester Total			15		Semester Total			16		G - Global Perspectives				
CM&E 403 (F)		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		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.