

UND B.S. In Civil Engineering Curriculum Requirements

STUDENT:		STUDENT ID:		PDP <input type="checkbox"/>	Catalog Year:		On-Campus <input type="checkbox"/>
STUDENT EMAIL:		Admit Date:		Grad Date:		DEDP <input type="checkbox"/>	
Advisor:		Advisor Email:		Phone #:			
Updated by/on:		Updated by/on:		Updated by/on:		Updated by/on:	
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Updated by/on:		Updated by/on:		Updated by/on:		Updated by/on:	

REQUIREMENTS: 134 credits / 60 cr. in a 4-yr. institution / 36 hrs. of 300 level courses or above / Last 30 cr. hrs. must be at UND / Min. 2.0 GPA

UND ESSENTIAL STUDIES - Refer to UND Catalog for course listing.

I. SPECIAL EMPHASIS (12 credits):

- A = Advanced Communications (3 cr.) Approved: CIEN 301 & CIEN 302
- Q = Quantitative Reasoning (3 cr.) Approved: CHEM 121/121L
- G = Global Diversity (3 cr.)
- U = United States (3 cr.)

TRANSFER COURSE EQUIVALENCY

(List Institution/College Attended):

II. COMMUNICATION = 9 cr. minimum (ENGL 110; ENGL 130; & 3 oral) O = Oral Communications (3 cr)

UND COURSE	UND COURSE TITLE	CR	ES	TERM	GRADE	COURSE	COURSE TITLE	CR	INSTITUTION
ENGL 110	College Composition I	3							
ENGL 130	Comp II: Writing for Public Audiences	3							
COMM 110	Fundamentals of Public Speaking	3	O						

III. SOCIAL SCIENCE = 9 cr. minimum (Min. of 2 depts.)

UND COURSE	UND COURSE TITLE	CR	ES	TERM	GRADE	COURSE	COURSE TITLE	CR	INSTITUTION
ENGR 460	Engineering Economy	3							

IV. ARTS & HUMANITIES = 9 cr. minimum (3 cr. in Fine Arts & 3 cr. in Humanities)

UND COURSE	UND COURSE TITLE	CR	ES	TERM	GRADE	COURSE	COURSE TITLE	CR	INSTITUTION

V. MATHEMATICS, SCIENCE & TECHNOLOGY = 9 cr. minimum (Min. of 2 depts. & must include a 4 hour science course w/a lab)

UND COURSE	UND COURSE TITLE	CR	ES	TERM	GRADE	COURSE	COURSE TITLE	CR	INSTITUTION
MATHEMATICS (18 cr.)									
MATH 165	Calculus I	4							
MATH 166	Calculus II	4							
MATH 265	Calculus III	4							
MATH 266	Elem. Differential Equations	3							
ECON 210	Intro to Business & Econ Statistics	3							
Or Math 321	Applied Statistical Methods	3							
Or Psyc 241	Intro to Statistics	3							
CHEMISTRY (8 cr.)									
CHEM 121/121L	General Chemistry I/Lab	3/1	Q						
Chem 122/122L	General Chemistry II/Lab-Spring Only	3/1							
Or Biol 150/150L	General Biology I /Lab (Fall Only)	3/1							
PHYSICS (8 cr.)									
PHYS 251/251L	University Physics I/Lab	4							
PHYS 252/252L	University Physics II/Lab	4							

NOTES:

(!) 3 Credits for SS or A&H may be satisfied by the Ethics course of your choice. Ethics Option: ChE 340, ME 370 or Phil 250.

C - Capstone Course

(*) This course will not count towards your degree until successfully petitioned to the appropriate UND Department and the UND Registrar's Office. 9-14-11

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STUDENT:		STUDENT ID:	
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GENERAL, ENGINEERING SCIENCE & CIVIL ENGINEERING SCIENCE DESIGN REQUIREMENTS

UND COURSE	UND COURSE TITLE	CR	ES	TERM	GRADE	COURSE	COURSE TITLE	CR	INSTITUTION
ENGR 101	Graphical Communications-F,S	3							
CE 101	Intro. to Civil Engineering-S	1							
ENGR 200	Computer Applications in Engr-	2							
CE 313/313L	General Surveying/Lab-F	2/1							
ENGR 201	Statics-F,S	3							
GEOE 203	Earth Dynamics-F	3							
or GEOL 101	Intro. to Geology-F,S,SS	3							
CE 202	Intro to Digital Terrain Modeling-	1							
ENGR 203	Mechanics of Materials-F,S	3							
CE 301	Civil Engineering Lab 1-F	2	A						
CE 306	Fluid Mechanics-F,S	3							
CE 351	Structural Mechanics-F	4							
CE 412	Soil Mechanics-F	3							
ENGR 202	Dynamics-F,S	3							
CE 302	Civil Engineering Lab II-S	2	A						
CE 423	Hydraulic Engineering-S	3							
CE 431	Environmental Engineering I-S	3							
CE 451	Steel Design-S	3							
CE 421	Hydrology-F	3							
CE 432	Environmental Engineering II-	3							
CE 453	Reinforced Concrete-F	3							
CE 482	Civil Engineering Design-F	2	C						
‡		3							
CE 414	Foundation Engineering-S	3							
CE 416	Transportation Engineering-S	3							
CE 444	Contracts and Specifications-S	3							
CE 483	Civil Engineering Design II-S	2	C						
‡		3							

NOTES:

(‡) Technical Electives Should be directly applicable in the field of civil engineering practice. Technical Electives should be 300 or 400 or 500 level courses. You and your advisor must agree on the suitability of the courses

TOTAL CREDITS:

Overall G.P.A:

I certify that the student named on this contract meets the requirements for a degree of BACHELOR OF SCIENCE IN CIVIL ENGINEERING (BSCE).

Chair, Civil Engineering

Date

Dean, College of Engineering and Mines

Date