

UND B.S. In Chemical Engineering Curriculum Requirements

STUDENT:		STUDENT ID:		PDP <input type="checkbox"/>	Catalog Year: 2011-2013	On-Campus <input type="checkbox"/>
STUDENT EMAIL:		Admit Date:		Grad Date:		DEDP <input type="checkbox"/>

Advisor:

Updated by/on:			Updated by/on:			Updated by/on:		
Updated by/on:			Updated by/on:			Updated by/on:		
Updated by/on:			Updated by/on:			Updated by/on:		

REQUIREMENTS: 126 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: ChE 411 (also capstone course)
- Q = Quantitative Reasoning (3 cr.) Approved: CHE 431
- 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 120 or 125; & 3 oral) O = Oral Communications (3 cr)-ChE 412

UND COURSE	UND COURSE TITLE	CR	ES	TERM	GRADE	COURSE	COURSE TITLE	CR	INSTITUTION
ENGL 110	College Composition I	3							
ENGL 125	Technical & Business Writing	3							
or ENGL 120	College Composition II	3							
ChE 412	Chemical Engineering Plant Design II	3	O/C						

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

UND COURSE	UND COURSE TITLE	CR	ES	TERM	GRADE	COURSE	COURSE TITLE	CR	INSTITUTION
ChE 340	Professional Integrity in Engineering	3							

IV. ARTS & HUMANITIES = 9 cr. minimum (3 cr. In Fine Arts (FA) & 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 (15 cr.)									
MATH 165	Calculus I	4							
MATH 166	Calculus II	4							
MATH 265	Calculus III	4							
MATH 266	Elem. Differential Equations	3							
CHEMISTRY (15 cr.)									
CHEM 221/L	Fund of Chemistry I/Lab	3/1							
CHEM 254/L	Inorganic Chemistry/Lab	3/1							
CHEM 240/L	Survey of Organic Chemistry/Lab	4/1							
CHEM 470	Thermodynamics & Kinetics	3							
PHYSICS (8 cr.)									
PHYS 251/251L	University Physics I/Lab	4							
PHYS 252/252L	University Physics II/Lab	4							
*									
ENGINEERING (9 cr.)									
Engr 201	Statics (F,S)	3							
E E 206	E E Circuit Analysis (F,S)	3							
	Engineering Science Elective	3							

NOTES:

Prepared by:

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.

UND B.S. In Chemical Engineering Curriculum Requirements

STUDENT:		STUDENT ID:	
-----------------	--	--------------------	--

GENERAL, ENGINEERING SCIENCE & CHEMICAL ENGINEERING SCIENCE DESIGN REQUIREMENTS

UND COURSE	UND COURSE TITLE	CR	ES	TERM	GRADE	COURSE	COURSE TITLE	CR	INSTITUTION
ChE 102	Intro to Chemical Engr (S)	2							
ChE 201	Chemical Engr Fund. (F)	3							
ChE 206	Unit Ops in ChE (S)	3							
ChE 315	Stats & Numerical Mthds (S)	3							
ChE 301	Intro to Transport (F)	4							
ChE 303	ChE Thermodynamics (F)	4							
ChE 305	Separations (S)	3							
ChE 321	ChE Reactor Design (S)	3							
ChE 340	Professional Integrity (S)	3	SS						
ChE 408	Process Dynamics/Control(F)	3							
ChE 411	ChE Plant Design I (F)	4	A						
ChE 412	ChE Plant Design (S)	5	O						
ChE 431	ChE Laboratory IV (F)	3	Q						

DEDP STUDENTS ONLY:

ChE 493A	ChE DEDP Lab I	3							
ChE 493A	ChE DEDP Lab II	3							

TECHNICAL ELECTIVE I (3 cr.)

‡									
‡									

TECHNICAL ELECTIVE II (3 cr.)

‡									
‡									
‡									

BUSINESS/ENTREP ELECTIVE (3cr.)

‡		3							

ADVANCED ChE SCIENCE ELECTIVE (6 cr.)

NOTES: (‡) Technical or Bus/Entrep or Adv ChE Electives.

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 CHEMICAL ENGINEERING (BSCHE).

Chair, Chemical Engineering

Date

Dean, School of Engineering and Mines

Date