

B.S. in Chemical Engineering from UND and B.S. in Engineering Praxis from Piedmont College (Piedmont)

FIRST YEAR FALL	Credits	Taken	UND Course
MATH 2450: Calculus I	4	Piedmont	MATH 165
CHEM 1101/CLAB 1101: General Chemistry I & Lab	4	Piedmont	CHEM 121/L
ENGL 1101: Rhetoric & Composition	3	Piedmont	
MCOM 1110: Public Speaking	3	Piedmont	
PBMT 1101: Intro to College Life	1	Piedmont	

FIRST YEAR SPRING	Credits	Taken	UND Course
MATH 2460: Calculus II	4	Piedmont	MATH 166
CHEM 1102/CLAB 1102: General Chemistry II & Lab	4	Piedmont	CHEM 122/L
ENGL 1102: Literature & Composition	3	Piedmont	
BUSA 1210: Microeconomics	3	Piedmont	
CHE 103: Intro to Chemical Eng.	2	UND	

SECOND YEAR FALL	Credits	Taken	UND Course
MATH 2470: Calculus III	4	Piedmont	MATH 265
PHYS 2110: General Physics I	4	Piedmont	PHYS 251
CSCI 1301: Programing Principles I	3	Piedmont	
Approved Modern Language I	3	Piedmont	
CHE 201: Chemical Eng. Fundamentals	3	UND	

SECOND YEAR SPRING	Credits	Taken	UND Course
MATH 2480: Differential Equations	3	Piedmont	MATH 266
PHYS 2120: General Physics II	4	Piedmont	PHYS 252
PENG 2000: Engineering Statics	3	Piedmont	
Approved Modern Language II	3	Piedmont	
CHE 103: Computing Tools for Chemical Eng.	3	UND	

THIRD YEAR FALL	Credits	Taken	UND Course
Approved Upper Level Physics Elective	3	Piedmont	
PHYS 3010: Advanced Physics Lab I	1	Piedmont	
CHEM 2351: Organic Chemistry I	4	Piedmont	CHEM 341/L
CHE 301: Intro to Transport Phenomena	4	UND	
CHE 303: Chemical Engineering Thermodynamics	4	UND	

THIRD YEAR SPRING	Credits	Taken	UND Course
Approved History Elective	3	Piedmont	
Approved Upper Level Physics Elective	3	Piedmont	
CHE 206: Unit Operations in Chem. Engr.	3	UND	
CHE 315: Engr. Statistics and Design of Experiments	3	UND	
CHE 305: Separations	3	UND	
CHE 321: Chemical Engineering Reactor Design	3	UND	

FOURTH YEAR FALL	Credits	Taken	UND Course
POSC 1101: American Government	3	Piedmont	
MATH 2600: Linear Algebra	3	Piedmont	Technical Elective
CHEM 466: Fundamentals of Phys. and Biophys. Chem.	3	UND	
CHE 408: Process Dynamics & Control	3	UND	
CHE 411: Plant Design I: Process Design and Econ.	4	UND	

FOURTH YEAR SPRING	Credits	Taken	UND Course
Approved Critical Thinking Elective	3	Piedmont	
Approved Fine Arts Elective	3	Piedmont	
PHIL/RELG 3305: Ethics	3	Piedmont	ENGR 340
CHE 414: Plant Design II: Conceptual Process Project Engineering	3	UND	
CHE 416: Chemical Product Design	3	UND	
ENGR 206: Fund. of Electrical Engr.	3	UND	

FIFTH YEAR FALL	Credits	Taken	UND Course
Approved Literature Elective	3	Piedmont	
Approved Advanced Chemical Science Elective	3	UND	
Approved Advanced Chemical Science Elective	3	UND	
LEAD 101: Learning Leadership	3	UND	
Approved Material Science Elective	3	UND	

SUMMER COURSES (ON UND CAMPUS)	Credits	When to Take
CHE 235: Chemical Engineering Summer Lab I	3	After Third Year Spring
CHE 335: Chemical Engineering Summer Lab II	3	After Fourth Year Spring
CHE 431: Chemical Engineering Lab IV	3	After Fourth Year Spring
CHE 414: Plant Design II: Conceptual Process Project Engineering ¹	2	After Fourth Year Spring

NOTES	¹ Course will be taken during Summer semester as an online/remote course
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