

B.S. in Civil 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
PHYS 2110: General Physics I	4	Piedmont	PHYS 251
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
PHYS 2120: General Physics II	4	Piedmont	PHYS 252
ENGL 1102: Literature & Composition	3	Piedmont	
BUSA 1210: Microeconomics	3	Piedmont	
Approved Fine Arts Elective	3	Piedmont	

SECOND YEAR FALL	Credits	Taken	UND Course
MATH 2470: Calculus III	4	Piedmont	MATH 265
CHEM 1101/CLAB 1101: General Chemistry I & Lab	4	Piedmont	CHEM 121/L
CSCI 1301: Programming Principles I	3	Piedmont	
CE 101: Intro To Civil Engineering	1	UND	
CE 306: Fluid Mechanics	3	UND	

SECOND YEAR SPRING	Credits	Taken	UND Course
MATH 2480: Differential Equations	3	Piedmont	MATH 266
CHEM 1102/CLAB 1102: General Chemistry II & Lab	4	Piedmont	CHEM 122/L
PENG 2000: Engineering Statics	3	Piedmont	ENGR 201
CE 103: Graphical Communications	3	UND	
ENGR 200: Comp. Applications in Engr.	2	UND	

THIRD YEAR FALL	Credits	Taken	UND Course
MATH 2600: Linear Algebra	3	Piedmont	
Approved Upper Level Physics Elective	3	Piedmont	
PHYS 3010: Advanced Physics Lab I	1	Piedmont	
Approved Modern language I	3	Piedmont	
ENGR 202: Dynamics	3	UND	
ENGR 203: Mechanics of Materials	3	UND	

THIRD YEAR SPRING	Credits	Taken	UND Course
Approved Modern Language II	3	Piedmont	
Approved Upper Level Physics Elective	3	Piedmont	
CE 423: Hydraulic Engineering	3	UND	
CE 431: Environmental Engr. I	3	UND	
Approved Statistics Course	3	UND	
Approved Geology Course	3	UND	

FOURTH YEAR FALL	Credits	Taken	UND Course
POSC 1101: American Government	3	Piedmont	
CE 412: Soil Mechanics	3	UND	
CE 432: Environmental Engr. II	3	UND	
CE313: General Surveying	2	UND	
CE 351: Structural Mechanics	4	UND	

FOURTH YEAR SPRING	Credits	Taken	UND Course
PHIL/RELG 3305: Ethics	3	Piedmont	ENGR 340
Approved Critical Thinking Elective	3	Piedmont	
CE 414: Foundation Engineering	3	UND	
CE 451: Steel Design	3	UND	
CE 416: Transportation Engineering	3	UND	

FIFTH YEAR FALL	Credits	Taken	UND Course
Approved Literature Elective	3	Piedmont	
CE 482: Civil Engineering Design I	3	UND	
CE421: Hydrology	3	UND	
CE 453: Reinforced Concrete	3	UND	
Approved CE Technical Elective	3	UND	

FIFTH YEAR SPRING	Credits	Taken	UND Course
Approved History Elective	3	Piedmont	
CE 444: Contracts and Specifications	3	UND	
CE 483: Civil Engineering Design II	3	UND	
Approved CE Technical Elective	3	UND	
ENGR 460: Engineering Economy	3	UND	

SUMMER LABS (ON UND CAMPUS)	Credits	When to Take
CE 313L: General Surveying Lab	1	After Fourth Year Spring
CE 411: Civil Engineering Material Lab	1	After Fourth Year Spring
CE 412L: Soil Mechanics Lab	1	After Fourth Year Spring
CE 423L: Hydraulic Engineering Lab	1	After Fourth Year Spring
CE 431: Environmental Engineering I Lab	1	After Fourth Year Spring