

B.S. in Civil Engineering from UND and B.A. in Math from Defiance College

FIRST YEAR FALL	Credits	Taken	UND Course
BUS 212: Business Statistics ³	3	DC	
CHEM 123: General Chemistry I ¹	4	DC	
COMM 120: Introduction to Human Comm	3	DC	
FYE 100: College Engagement Seminar	2	DC	
GLST 100: World Issues	3	DC	
MATH 113: Trigonometry	2	DC	

FIRST YEAR SPRING	Credits	Taken	UND Course
MATH 201: Calculus I	4	DC	MATH 165
CHEM 124: General Chemistry II ¹	4	DC	**see notes
ENGL 125: Composition I	3	DC	ENGL 110
HPM Gen Ed Student Choice	3	DC	
Open Elective-Minor opt or MATH 115	3	DC	115= Math 1XX
GEN 101: Jacket Journey	1	DC	

SECOND YEAR FALL	Credits	Taken	UND Course
MATH 202: Calculus II	4	DC	MATH 166
MATH 330: Probability ³	3	DC	
ENGL 225: Composition II	3	DC	ENGL 130
CE 101: Intro to Civil Engineering	1	UND	
PHYS 251: University Physics I ²	4	UND	

SECOND YEAR SPRING	Credits	Taken	UND Course
MATH 203: Calculus III	4	DC	MATH 265
Creative Gen Ed Student Choice	3	DC	
GEN 201: Jacket Journey	1	DC	
BUS 260: Business Ethics	3	DC	ENGR 340
CE 103: Graphical Communication	3	UND	
ENGR 200: Computer Applications in Engineering	2	UND	

THIRD YEAR FALL	Credits	Taken	UND Course
MATH 420: Real Analysis	4	DC	
MATH 310: Differential Equations (Math elective)	4	DC	MATH 266
MATH 305: Discrete Mathematical Structures	3	DC	
CE 313: General Surveying	2	UND	
ENGR 201: Statics	3	UND	

THIRD YEAR SPRING	Credits	Taken	UND Course
MATH 301: Linear Algebra	4	DC	MATH 207
GEN 301: Jacket Journey	1	DC	
ENGR 202: Dynamics	3	UND	
ENGR 203: Mechanics of Materials	3	UND	
CE 306: Fluid Mechanics	3	UND	
GEOL/GEOE: Approved Geology/Geological Engineering Course	3	UND	

FOURTH YEAR FALL	Credits	Taken	UND Course
MATH 404: Modern Geometry	4	DC	
CE 351: Structural Mechanics	4	UND	
CE 412: Soil Mechanics	3	UND	
Technical Elective	3	UND	

FOURTH YEAR SPRING	Credits	Taken	UND Course
GEN 401: Jacket Journey	1	DC	
CE 423: Hydraulic Engineering	3	UND	
CE 431: Environmental Engineering I	3	UND	
CE 451: Steel Design	3	UND	
ENGR 460: Engineering Economy	3	UND	
Technical Elective	4	UND	

FIFTH YEAR FALL	Credits	Taken	UND Course
MATH 404: Modern Geometry	4	DC	
CE 421: Hydrology	3	UND	
CE 432: Environmental Engineering II	3	UND	
CE 453: Reinforced Concrete	3	UND	
CE 482: Civil Engineering Design I	3	UND	
Technical Elective	3	UND	

FIFTH YEAR SPRING	Credits	Taken	UND Course
MATH 498: Senior Capstone Project	3	DC	
CE 414: Foundations Engineering	3	UND	
CE 416: Transportation Engineering	3	UND	
CE 444: Contracts and Specifications	3	UND	
CE 483: Civil Engineering Design II	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 Materials 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 431L: Environmental Engineering Lab	1	After Fourth Year Spring

NOTES	¹ DC students must take both CHEM 123 & 124 in order to gain total credit for CHEM 121/L requirement.
	² PHYS 251 and 252 lectures are taken during the term, with the accompanying 1 credit lab taken directly the following summer.
	³ UND's Statistics requirement will be waived upon successful completion of both MATH 330 and BUS 212 from Defiance.