

B.S. in Civil Engineering from UND and B.A. in Physics from Adrian College (AC)

FIRST YEAR FALL	Credits	Taken	UND Course
MATH 135: Calculus and Analytic Geometry I	4	AC	See Below ¹
CCC 101: College Writing and Inquiry	3	AC	
ESAT 100: Principles of Fitness	2	AC	
Distribution/Skills/Writing	3	AC	
CHM 105/117: General Chemistry I & Lab	4	AC	CHEM 121/L

FIRST YEAR SPRING	Credits	Taken	UND Course
Distribution/Skills/Writing	3	AC	
Distribution/Skills/Writing	3	AC	
CCC 102: Public Speaking	3	AC	
MATH 205: Calculus II	4	AC	See Below ¹

SECOND YEAR FALL	Credits	Taken	UND Course
MATH 215: Calculus III	4	AC	MATH 265
MLC XXX: Approved Language Skills I	4	AC	
PHYS 205/209: General Physics I & Lab	4	AC	See Below ²
CE 101: Intro to Civil Engineering	1	UND	

SECOND YEAR SPRING	Credits	Taken	UND Course
MATH 305: Differential Equations	3	AC	MATH 266
PHYS 206/210: General Physics II & Lab	4	AC	See Below ²
MLC XXX: Approved Language Skills II	4	AC	
CE 103: Graphical Communication	3	UND	

THIRD YEAR FALL	Credits	Taken	UND Course
GEOL 101: Physical Geology	4	AC	
PHYS 320: Electronics	3	AC	
PHYS 401: Classical Mechanics ³	3	AC	CE Technical Elective
CE 313: General Surveying	2	UND	
ENGR 201: Statics	3	UND	

THIRD YEAR SPRING	Credits	Taken	UND Course
PHYS 406: Statistical and Thermal Physics ³	3	AC	CE Technical Elective
PHYS 420: Experimental Physics I	2	AC	
PHIL 304: Ethics	3	AC	ENGR 340
ENGR 202: Dynamics	3	UND	
ENGR 203: Mechanics of Materials	3	UND	

FOURTH YEAR FALL	Credits	Taken	UND Course
PHYS 370: Modern Physics	3	AC	
PHYS 390: Astrophysics	3	AC	
CE 306: Fluid Mechanics	3	UND	
CE 351: Structural Mechanics	4	UND	
CE 412: Soil Mechanics	3	UND	

FOURTH YEAR SPRING	Credits	Taken	UND Course
PHYS 410: Quantum Mechanics	3	AC	
Distribution/Skills/Writing	3	AC	
CE 423: Hydraulic Engineering	3	UND	
CE 431: Environmental Engineering I	3	UND	
CE 451: Steel Design	3	UND	

FIFTH YEAR FALL	Credits	Taken	UND Course
Any Remaining Distribution or 300/400 Elective	3	AC	
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	
ENGR 460: Engineering Economy	3	UND	

FIFTH YEAR SPRING	Credits	Taken	UND Course
Any Remaining Distribution or 300/400 Elective	3	AC	
CE 414: Foundation Engineering	3	UND	
CE 416: Transportation Engineering	3	UND	
CE 444: Contracts and Specifications	3	UND	
CE 483: Civil Engineering Design II	3	UND	
MATH 321: Applied Statistical Methods	3	UND	

SUMMER LABS (ON UND CAMPUS)	Credits	When to Take
CE 313L: General Surveying Lab (5 days)	1	Summer After Fourth Year
CE 411: Civil Engineering Materials Lab (combines with CE 412L for a total of 5 days)	1	Summer After Fourth Year
CE 412L: Soil Mechanics Lab (combines with CE 411 for a total of 5 days)	1	Summer After Fourth Year
CE 423L: Hydraulic Lab (combines with CE 431L for total of 5 days)	1	Summer After Fourth Year
CE 431L: Environmental Engineering Lab (combines with CE 423L for total of 5 days)	1	Summer After Fourth Year

NOTES	1. Math 135 and MATH 205 combine for equivalency to MATH 165 and 166 at UND. Both courses must be taken for equivalency.
	2. PHYS 205, 206, 209, and 210 combine for equivalency to UND's PHYS 251; waiver for PHYS 252 will be applied once the student has completed the degree in Physics from Adrian.
	3. Per UND CE department: Students should take PHYS 401 and PHYS 406 at Adrian to satisfy the 2 required Technical Electives (6 credits)
List does not include requirements for UND's Essential Studies University requirements; students who have completed a 4-year regionally accredited baccalaureate degree will have all Essential Studies requirements waived per UND policy.	
<i>The above plan may not reflect the only path to graduation, nor should it be used as the sole advising document. Students are required to complete all requirements as listed in the UND Academic Catalog for graduation purposes and should work with their UND advisor to confirm progress towards completion.</i>	