

B.S. in Biomedical 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 Comb. Below ¹
CCC 101: College Writing and Inquiry	3	AC	
ESAT 100: Principles of Fitness	2	AC	
CHM 105/117: General Chemistry I/Lab I	4	AC	CHEM 121/121L

FIRST YEAR SPRING	Credits	Taken	UND Course
MATH 205: Calculus II	4	AC	See Comb. Below ¹
CCC 102: Public Speaking	3	AC	
PSYC 100: General Psychology (Social Science GE)	3	AC	PSYC 111
Distribution/Skills/Writing	3	AC	
Distribution/Skills/Writing	3	AC	

SECOND YEAR FALL	Credits	Taken	UND Course
MATH 215: Calculus III	4	AC	MATH 265
PHYS 205/209: General Physics I + Lab	4	AC	See Note Below ²
MLC XXX: Approved Language Skills I	4	AC	
BME 180: BME IBL I	2	UND	
EE 101: Intro. to Electrical 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 Note Below ²
MLC XXX: Approved Language Skills II	4	AC	
EE 201/L: Intro to Digital Electronics & Lab	4	UND	
BME 181: BME IBL II	2	UND	

THIRD YEAR FALL	Credits	Taken	UND Course
PHYS 401: Classical Mechanics	3	AC	Technical Elective
Distribution/Skills/Writing	3	AC	
EE 206/L: Circuit Analysis & Lab	4	UND	
EE 304: Computer Aided Measurement and Controls	3	UND	
BME 280: BME IBL III	2	UND	

THIRD YEAR SPRING	Credits	Taken	UND Course
PHYS 403 or PHYS 406	3	AC	Technical Elective
PHYS 420: Experimental Physics I	2	AC	
PHIL 304: Ethics	3	AC	ENGR 340
EE 313/L: Linear Circuit Analysis & Circuits Lab II	4	UND	
MATH 207: Linear Algebra	2	UND	
BME 281: BME IBL IV	2	UND	

FOURTH YEAR FALL	Credits	Taken	UND Course
PHYS 370: Modern Physics	3	AC	Technical Elective
EE 314/L: Signals and Systems & Lab	4	UND	ENGR 340
EE 321/L: Electronics I & Lab	4	UND	
EE 318: Engineering Data Analysis	3	UND	
BME 380: BME IBL V	2	UND	

FOURTH YEAR SPRING	Credits	Taken	UND Course
PHYS 410: Quantum Mechanics	3	AC	Technical Elective
EE 405/L: Control System I & Lab	4	UND	
EE 421/L: Electronics II & Lab	4	UND	
EE 452/L: Emb. Systems & Design Lab	4	UND	
BME 381: BME IBL VI	2	UND	

FIFTH YEAR FALL	Credits	Taken	UND Course
Distribution/Skills/Writing	3	AC	
Technical Elective	3	UND	
BME 480: Senior IBL I	3	UND	
ENGR 460: Engineering Economy	3	UND	

FIFTH YEAR SPRING	Credits	Taken	UND Course
PHYS 403 or PHYS 406	3	AC	
BME 450: Biomedical Instrumentation	3	UND	
BME 481: Senior IBL II	3	UND	
Statistics Elective	3	UND	

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; a waiver for PHYS 252 will be applied once the student has completed the degree in Physics from Adrian
	3. A total of twelve credits of "Technical Electives" for the Biomedical Engineering degree may come from outside an engineering-specific field. Student should work with UND advisor to confirm courses to fulfill remaining technical elective requirements.
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.	