

B.S. in Mechanical Engineering from UND and B.A. in Math from Defiance College (DC)

FIRST YEAR FALL	Credits	Taken	UND Course
BUS 212: Business Statistics	3	DC	
CHEM 123/L: 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	

SECOND YEAR FALL	Credits	Taken	UND Course
MATH 202: Calculus II	4	DC	MATH 166
MATH 330: Probability	3	DC	
ENGL 225: Composition II	3	DC	
BUS 260: Business Ethics	3	DC	ENGR 340
ME 101: Intro. to Mechanical Engineering	3	UND	

THIRD YEAR FALL	Credits	Taken	UND Course
MATH 420: Real Analysis	4	DC	
MATH 305: Discrete Mathematical Structures	3	DC	
ENGR 202: Dynamics	3	UND	
ENGR 203: Mechanics of Materials	3	UND	
ENGR 200: Computer Applications in Engineering	2	UND	

FOURTH YEAR FALL	Credits	Taken	UND Course
MATH 402: Modern Abstract Algebra	4	DC	
ENGR 206: Fundamentals of Electrical Engineering	3	UND	
MATH 321: Applied Statistical Methods	3	UND	
ME 306: Fluid Mechanics	3	UND	
ME 301: Materials Science	3	UND	

FIRST YEAR SPRING	Credits	Taken	UND Course
MATH 201: Calculus I	4	DC	MATH 165
CHEM 124/L: General Chemistry II ¹	4	DC	CHEM 121/L*
ENGL 125: Composition I	3	DC	
HPM Gen Ed Student Choice	3	DC	
GEN 101: Jacket Journey	1	DC	

SECOND YEAR SPRING	Credits	Taken	UND Course
BUS 212, PSY 230 Statistics Option	3	DC	
MATH 203: Calculus III	4	DC	MATH 265
GEN 201: Jacket Journey	1	DC	
PHYS 251C: University Physics I (lecture) ²	3	UND	DC Science w/Lab GenEd
ENGR 201: Statics	3	UND	
ME 341: Thermodynamics	3	UND	

THIRD YEAR SPRING	Credits	Taken	UND Course
MATH 301: Linear Algebra	4	DC	
MATH 310: Differential Equations (Math elective)	4	DC	MATH 266
Open Elective-Minor opt or MATH 115	3	DC	
GEN 301: Jacket Journey	1	DC	DC Science w/Lab GenEd
PHYS 252C: University Physics II (lecture)	3	UND	
ME 201C: Student Design Lecture	1	UND	

FOURTH YEAR SPRING	Credits	Taken	UND Course
MATH 498: Senior Capstone Project	3	DC	
GEN 401: Jacket Journey	1	DC	
Tech Elective: Technical Elective-Manufacturing and Materials Stem	3	UND	
ME 418: Manufacturing Processes	3	UND	
ME 323/L: Machine Component Design w/ Lab	4	UND	
ME 474: Fundamentals of Heat and Mass Transfer	3	UND	

FIFTH YEAR FALL	Credits	Taken	UND Course
MATH 404: Modern Geometry	4	DC	Tech Elective
Tech Elective: Technical Elective- Thermal Sciences Stem	3	UND	
Tech Elective: Technical Elective	3	UND	
ME 487: Engineering Design	3	UND	
ME 480: Mechanical Engineering Seminar	1	UND	
ENGR 460: Engineering Economy	3	UND	

FIFTH YEAR SPRING	Credits	Taken	UND Course
Creative Gen Ed Student Choice	3	DC	
ME 488: Engineering Design	3	UND	
Tech Elective: Technical Elective	3	UND	
Tech Elective: Technical Elective	3	UND	
Tech Elective: Technical Elective	3	UND	

SUMMER LABS (ON UND CAMPUS)	Credits	When to Take
ME 201CL: Student Design Lab	1	After Third Year Spring
ME 418L: Manufacturing Processes Lab	1	After Fourth Year Spring
ME 483: Mechanical Measurements Lab	3	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.