

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 | |
| ME 322: Design of Machinery | 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 |

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| 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. |