

B.S. in Electrical 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 |
| CORE 101: Academic Foundations I | 3 | AC | |
| Approved Fitness/Wellness | 2 | AC | |
| Approved Humanities | 3 | AC | |
| CHM 105/117: General Chemistry I & Lab | 4 | AC | CHEM 121/L |

| FIRST YEAR SPRING | Credits | Taken | UND Course |
|----------------------------------------------|---------|-------|------------------------|
| Approved Non-Western Course | 3 | AC | |
| CORE 102: Academic Foundations II | 3 | AC | |
| MATH 205: Calculus II | 4 | AC | See Below ¹ |
| Social Sciences | 3 | AC | |
| EE 201/L: Intro To Digital Electronics & Lab | 3 | UND | |

| SECOND YEAR FALL | Credits | Taken | UND Course |
|-----------------------------------------|---------|-------|------------------------|
| MATH 215: Calculus III | 4 | AC | MATH 265 |
| Approved Language Skills I | 4 | AC | |
| PHYS 205/209: General Physics I & Lab | 4 | AC | See Below ² |
| EE 206/L: Circuit Analysis & Lab | 4 | 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 Below ² |
| Approved Writing Intensive | 3 | AC | |
| Approved Language Skills II | 4 | AC | |
| EE 313/L: Linear Electric Circuits & Lab | 4 | UND | |

| THIRD YEAR FALL | Credits | Taken | UND Course |
|--------------------------------------|---------|-------|-----------------|
| PHYS 401: Classical Mechanics | 3 | AC | Non-EE Elective |
| MATH 207: Linear Algebra | 3 | UND | |
| EE 314/L: Signals and Systems & Lab | 4 | UND | |
| EE 316: Electric and Magnetic Fields | 3 | UND | |
| EE 321/L: Electronics I & Lab | 4 | UND | |

| THIRD YEAR SPRING | Credits | Taken | UND Course |
|----------------------------------|---------|-------|------------|
| PHYS 420: Experimental Physics I | 2 | AC | |
| ENGR 460: Engineering Economy | 3 | UND | |
| EE 401/L: Electric Drives | 4 | UND | |
| EE 405/L: Control System I & Lab | 4 | UND | |
| EE 421/L: Electronics II & Lab | 4 | UND | |

| FOURTH YEAR FALL | Credits | Taken | UND Course |
|------------------------------------------------|---------|-------|-----------------|
| PHYS 370: Modern Physics | 3 | AC | Non-EE Elective |
| PHIL 304: Ethics | 3 | AC | ENGR 340 |
| EE 318: Engineering Data Analysis | 3 | UND | |
| EE 304: Computer Aided Measurement and Control | 3 | UND | |
| EE 480: Senior Design I | 3 | UND | |

| FOURTH YEAR SPRING | Credits | Taken | UND Course |
|-----------------------------------------|---------|-------|------------|
| Approved EE Elective | 3 | UND | |
| EE 409: Distributed Networks | 3 | UND | |
| EE 452/L: Embedded Systems & Lab | 4 | UND | |
| EE 481: Senior Design II | 3 | UND | |
| Approved PHYS 300/400: Physics Elective | 3 | AC | |

| FIFTH YEAR FALL | Credits | Taken | UND Course |
|-----------------------------------------|---------|-------|------------|
| Approved PHYS 300/400: Physics Elective | 3 | AC | |
| Approved Arts | 3 | AC | |
| Approved EE Elective | 3 | UND | |
| Approved EE Elective | 3 | UND | |
| Approved EE Elective | 3 | UND | |

| FIFTH YEAR SPRING | Credits | Taken | UND Course |
|-------------------|---------|-------|------------|
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| 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 |