

University of North Dakota
Electrical Engineering Status Sheet with an Aerospace Focus

Transferred From _____

Name _____ Advisor _____ Year Started _____

Fall - Year 1

| | | | | |
|----------|-------------------------------|---|-----|-----|
| EE 101 | Intro to EE | 1 | ___ | ___ |
| Avi 102 | Intro. to Aviation | 5 | ___ | ___ |
| Math 165 | Calculus I | 4 | ___ | ___ |
| Engl 110 | Composition I | 3 | ___ | ___ |
| Econ 201 | Principles of Micro-Economics | 3 | ___ | ___ |

Spring - Year 1

| | | | | |
|-----------|-------------------------------|-----------|-----|-----|
| EE 201 | Intro. to Digital Electronics | 2 | ___ | ___ |
| EE202 | Electrical Engineering Lab | 1 | ___ | ___ |
| Chem 121 | General Chemistry I | 3 | ___ | ___ |
| Chem 121L | Gen. Chem Lab | 1 | ___ | ___ |
| Math 166 | Calculus II | 4 | ___ | ___ |
| Phys 251 | University Physics I | 4 | ___ | ___ |
| ___ | Arts & Humanities Elective* | 3 | ___ | ___ |
| | | <u>16</u> | | |

Fall - Year 2

| | | | | |
|----------|---------------------------------|---|-----|-----|
| EE 206 | Circuit Analysis | 3 | ___ | ___ |
| EE 306 | Circuits Lab I | 1 | ___ | ___ |
| EE 304 | Computer Aided Meas. & Controls | 3 | ___ | ___ |
| Avi 221 | Basic Attitude Instr. Flying | 3 | ___ | ___ |
| Math 265 | Calculus III | 4 | ___ | ___ |
| Phys 252 | University Physics II | 4 | ___ | ___ |

Spring - Year 2

| | | | | |
|----------|-------------------------------|---|-----|-----|
| EE 313 | Linear Electric Circuits | 3 | ___ | ___ |
| EE 307 | Circuits Lab II | 1 | ___ | ___ |
| Avi 323 | Aerodynamics-Airplanes | 3 | ___ | ___ |
| Avi 324 | Aircraft Systems and Instrum. | 3 | ___ | ___ |
| Engr 201 | Statics | 3 | ___ | ___ |
| Math 266 | Elem. Diff. Equations | 3 | ___ | ___ |
| Engl 125 | Intro to Prof. Writing | 3 | ___ | ___ |

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Fall - Year 3

| | | | | |
|--------|-----------------------------|---|-----|-----|
| EE 314 | Signals and Systems | 3 | ___ | ___ |
| EE 316 | Electromagnetic Fields | 3 | ___ | ___ |
| EE 318 | Engineering Data Analysis | 3 | ___ | ___ |
| EE 321 | Electronics I | 3 | ___ | ___ |
| EE 308 | Electronics Lab I | 2 | ___ | ___ |
| ___ | Arts & Humanities Elective* | 3 | ___ | ___ |

Spring - Year 3

| | | | | |
|--------|-------------------------|---|-----|-----|
| EE 405 | Control Systems I | 3 | ___ | ___ |
| EE 403 | Controls Laboratory | 1 | ___ | ___ |
| EE 421 | Electronics II | 3 | ___ | ___ |
| EE 425 | Electronics Lab II | 1 | ___ | ___ |
| EE 452 | Microprocessor Hardware | 3 | ___ | ___ |
| EE 409 | Distributed Networks | 3 | ___ | ___ |
| EE ___ | Elective** | 3 | ___ | ___ |

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Fall - Year 4

| | | | | |
|----------|--------------------------|---|-----|-----|
| EE 480 | Senior Design I*** | 3 | ___ | ___ |
| EE ___ | Elective** | 3 | ___ | ___ |
| ME 306 | Fluid Mechanics | 3 | ___ | ___ |
| Math ___ | Math Elective**** | 3 | ___ | ___ |
| ___ | Social Science Elective* | 3 | ___ | ___ |

Spring - Year 4

| | | | | |
|----------|------------------------------|---|-----|-----|
| EE 401 | Electric Machines and Drives | 3 | ___ | ___ |
| Phys 253 | University Physics III | 4 | ___ | ___ |
| EE 481 | Senior Design II***** | 3 | ___ | ___ |
| ME 341 | Thermodynamics | 3 | ___ | ___ |
| Phil 370 | Ethics in Engr. & Science | 3 | ___ | ___ |
| ___ | Social Science Elective* | 3 | ___ | ___ |

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Total Credits: 139

19

* Must include a world cultures course (can be either A&H or SS).

** Consent of academic advisor. Must be aerospace related.

*** Senior standing with approval of advisor.

**** Math 327 (Applied Linear Algebra), Math 352 (Advanced Engineering Math), Math 461 (Numerical Analysis I).

***** EE 481 will satisfy three credits of the GER Communication requirement.

Minor in Aviation (16 additional hours):

- Avi 308 Aviation Safety (3)
- Avi 222 IFR Regulations and Procedures (3)
- Avi 325 Multi-Engine Systems and Procedures (2)
- AtSc 110 Meteorology I (4)
- AtSc 231 Aviation Meteorology (4)