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| <h2 style="margin: 0;">Electrical Engineering</h2> <h3 style="margin: 0;">University of North Dakota</h3> <h4 style="margin: 0;">BSEE Status Sheet - Computer Science Focus</h4> | Transferred from: Started UND (Sem/Yr): |
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| | | |
|-------|-------|----------|
| NAME: | ID #: | ADVISOR: |
|-------|-------|----------|

| Fall - Year 1 | | | | | | |
|---------------|------|---------|--|---------|-------|--------|
| ES | | | | Credits | Grade | Sem/Yr |
| L&Q | Chem | 121 | General Chemistry I | 3 | | |
| L&Q | Chem | 121L | General Chemistry I Lab | 1 | | |
| | Csci | 130/160 | Computer Programming | 4 | | |
| | EE | 101 | Intro to EE ¹ | 1 | | |
| | Engl | 110 | College Composition I | 3 | | |
| | Math | 165 | Calculus I | 4 | | |
| | | | Humanities Elective (A&H) ^{2,3} | | | |
| | | | | 3 | | |
| | | | | 19 | | |

| Spring -Year 1 | | | | | | |
|----------------|------|-----|---|---------|-------|--------|
| ES | | | | Credits | Grade | Sem/Yr |
| | Csci | 161 | Computer Science II | 4 | | |
| | EE | 201 | Intro to Digital Electronics | 2 | | |
| | EE | 202 | EE Laboratory | 1 | | |
| | EE | 304 | Computer Aided Meas & Contr | 3 | | |
| | Math | 166 | Calculus II | 4 | | |
| | | | Fine Arts Elective (A&H) ^{2,3} | | | |
| | | | | 3 | | |
| | | | | 17 | | |

| Fall - Year 2 | | | | | | |
|---------------|------|-----|-----------------------|---------|-------|--------|
| | | | | Credits | Grade | Sem/Yr |
| | CSci | 230 | System Programming | 3 | | |
| | EE | 206 | Circuit Analysis | 3 | | |
| | EE | 306 | Circuits Laboratory I | 1 | | |
| | Math | 208 | Discrete Mathematics | 3 | | |
| | Math | 265 | Calculus III | 4 | | |
| | Phys | 251 | University Physics I | 4 | | |
| | | | | | | |
| | | | | 18 | | |

| Spring - Year 2 | | | | | | |
|-----------------|------|-----|---|---------|-------|--------|
| | | | | Credits | Grade | Sem/Yr |
| | EE | 307 | Circuits Laboratory II | 1 | | |
| | EE | 313 | Linear Electric Circuits | 3 | | |
| | EE | 318 | Engineering Data Analysis | 3 | | |
| | Engr | 460 | Engineering Economics (SS) ² | 3 | | |
| | Math | 266 | Elem Differential Equations | 3 | | |
| | Phys | 252 | University Physics II | 4 | | |
| | | | | | | |
| | | | | 17 | | |

| Fall - Year 3 | | | | | | |
|---------------|------|----------|--------------------------------|---------|-------|--------|
| | | | | Credits | Grade | Sem/Yr |
| | EE | 308 | Electronics Lab I | 1 | | |
| | EE | 314/314L | Signals and Systems & Lab | 4 | | |
| | EE | 316 | Electric & Magnetic Fields | 3 | | |
| | EE | 321 | Electronics I | 3 | | |
| | EE | 451 | Computer Hardware Organization | 3 | | |
| | Engl | 130 | College Composition II | 3 | | |
| | | | | | | |
| | | | | 17 | | |

| Spring - Year 3 | | | | | | |
|-----------------|----|----------|------------------------|---------|-------|--------|
| | | | | Credits | Grade | Sem/Yr |
| | EE | 309 | Electronics Lab II | 1 | | |
| | EE | 405/405L | Control Systems & Lab | 4 | | |
| | EE | 409 | Distributed Networks | 3 | | |
| | EE | 421 | Electronics II | 3 | | |
| | EE | 452/452L | Embedded Systems & Lab | 4 | | |
| | | | | | | |
| | | | | 15 | | |

| Fall - Year 4 | | | | | | |
|---------------|------|-----|--|---------|-------|--------|
| | | | | Credits | Grade | Sem/Yr |
| | | | Csci Elective ⁸ | 3 | | |
| A&C | EE | 480 | Senior Design I ⁴ | 3 | | |
| | | | Electrical Engineering Elective ⁶ | 3 | | |
| | Math | 207 | Introduction to Linear Algebra | 2 | | |
| | | | Social Sciences Elective (SS) ^{2,3} | | | |
| | | | | 3 | | |
| | | | | 14 | | |

| Spring - Year 4 | | | | | | |
|-----------------|----|-----|--|---------|-------|--------|
| | | | | Credits | Grade | Sem/Yr |
| O | EE | 481 | Senior Design II ⁵ | 3 | | |
| | | | Electrical Engineering Elective ⁶ | 3 | | |
| | | | Ethics Elective (A&H or SS) ^{2,3,7} | 3 | | |
| | | | A&H or SS Elective ^{2,3} | | | |
| | | | | 3 | | |
| | | | | 12 | | |

Total Credits: 129

BSEE Status Sheet

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|--------------------|---|
| 1 | May be waived for transfer students (substitute science credit required). |
| 2 | To meet the University's Essential Studies Breadth of Knowledge requirements, all students must complete 9 credits of Arts & Humanities Electives (minimum of 2 departments, including 3 Fine Arts credits and 3 Humanities credits) and 9 credits of Social Sciences Electives (minimum of 2 departments). Refer to the online Academic Catalog for a listing of acceptable Essential Studies courses. |
| 3 | To meet the University's Essential Studies Social-Cultural Diversity requirements, all students must complete 3 credits of Global (G) Diversity Electives and 3 credits of United States (U) Diversity Electives. Refer to the online Academic Catalog for a listing of acceptable Essential Studies G and U Diversity Electives. |
| 4 | EE 480 Senior Design I meets the Essential Studies Special Emphasis requirements for Advanced Communication (A) and Senior Capstone (C). |
| 5 | EE 481 Senior Design II meets the Essential Studies Special Emphasis requirement for Oral Communication (O). |
| 6 | Maximum of three credits of EE 490 Advanced EE Problems allowed as an independent study, applicable to both EE and non-EE Electives. 2 credits of EE 397 Cooperative Education (40 hours/week) is equivalent to 3 credits of the EE Electives with S/U grading, maximum 4 credits of EE 397 is equivalent to maximum of 6 credits of EE Elective. |
| 7 | The Ethics Elective is a 3-credit course that meets Essential Studies requirements in either the Arts & Humanities or the Social Sciences. Ethics Elective choices: Phil 250 Ethics in Engineering & Science (A&H, Humanities), ChE 340 The Role of Engineers and Applied Scientists in a Global Society (SS), and ME 370 Engineering Disasters & Ethics (SS). |
| 8 | Computer Science Elective choices: Any Computer Science course, 300 level or higher. A maximum of three credits of CSci 260 Advanced Programming. |
| Spring 2016 | |