# B.S. in Electrical Engineering from UND and B.S. in Mathematics from Huntington University (HU)

## FIRST YEAR FALL
- **CE 161/L**: Principles of Chem I & Lab  
  Credits: 4  
  Taken: HU  
  UND Course: CHEM 121/L
- **EN 121**: Academic Writing and Research  
  Credits: 3  
  Taken: HU
- **MA 171**: Calculus I  
  Credits: 4  
  Taken: HU  
  UND Course: MATH 165
- **MA 165**: Discrete Mathematics  
  Credits: 3  
  Taken: HU
- **HS 115**: Historical Perspectives I  
  Credits: 3  
  Taken: HU
- **Approved Artistic Expression Course\(^1\)**  
  Credits: 2  
  Taken: HU

## FIRST YEAR SPRING
- **MA 172**: Calculus  
  Credits: 4  
  Taken: HU  
  UND Course: MATH 166
- **HS 116**: Historical Perspectives II  
  Credits: 3  
  Taken: HU
- **BR 111**: Biblical History & Literature  
  Credits: 3  
  Taken: HU
- **PL 260**: Ethics  
  Credits: 3  
  Taken: HU  
  UND Course: ENGR 340
- **EE 101**: Introduction to Electrical Engr.  
  Credits: 1  
  Taken: UND
- **EE 201/L**: Intro to Digital Electronics & Lab  
  Credits: 3  
  Taken: UND
- **MI 285**: Understanding Christian Faith\(^2\)  
  Credits: 3  
  Taken: HU

## SECOND YEAR FALL
- **MA 205**: Intro to Proof  
  Credits: 3  
  Taken: HU
- **MA 273**: Calculus III  
  Credits: 4  
  Taken: HU  
  UND Course: MATH 265
- **PHYS 251C**: University Physics I  
  Credits: 3  
  Taken: UND
- **EE 206/L**: Circuit Analysis & Lab  
  Credits: 4  
  Taken: UND
- **EE 304**: Computer Aided Measurement and Control  
  Credits: 3  
  Taken: UND
- **Approved J-Term Elective\(^1\)**  
  Credits: 2  
  Taken: HU

## SECOND YEAR SPRING
- **MA 371**: Differential Equations  
  Credits: 3  
  Taken: HU  
  UND Course: MATH 266
- **MA 311**: Linear Algebra  
  Credits: 3  
  Taken: HU  
  UND Course: MATH 207
- **EN 151**: Perspectives on Literature  
  Credits: 3  
  Taken: HU
- **PHYS 252C**: University Physics II (lecture)  
  Credits: 3  
  Taken: UND
- **EE 313/L**: Linear Electric Circuits & Lab  
  Credits: 4  
  Taken: UND
- **EX 101**: Wellness\(^2\)  
  Credits: 2  
  Taken: HU
- **PHYS 251CL**: University Physics I Lab\(^3\)  
  Credits: 1  
  Taken: UND
- **PHYS 252CL**: University Physics II Lab\(^3\)  
  Credits: 1  
  Taken: UND

## THIRD YEAR FALL
- **MA 431**: Real Analysis  
  Credits: 4  
  Taken: HU  
  UND Course: Non-EE Elective
- **PY 111**: Psychology  
  Credits: 3  
  Taken: HU
- **EE 316**: Electric and Magnetic Fields  
  Credits: 3  
  Taken: UND
- **EE 314/L**: Signals and Systems & Lab  
  Credits: 3  
  Taken: UND
- **EE 321/L**: Electronics I & Lab  
  Credits: 4  
  Taken: UND
- **MA 210**: History of Math\(^1\)  
  Credits: 2  
  Taken: HU

## THIRD YEAR SPRING
- **EE 401/L**: Electric Drives & Lab\(^4\)  
  Credits: 4  
  Taken: UND
- **EE 405/L**: Control Systems & Lab\(^4\)  
  Credits: 4  
  Taken: UND
- **EE 409**: Distributed Networks\(^4\)  
  Credits: 3  
  Taken: UND
- **EE421/L**: Electronics II & Lab  
  Credits: 4  
  Taken: UND
- **EE 452/L**: Embedded Systems & Lab\(^4\)  
  Credits: 4  
  Taken: UND
- **CO 215**: Public Speaking\(^2\)  
  Credits: 3  
  Taken: HU
## Fourth Year

### Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Taken</th>
<th>UND Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>MA 411: Abstract Algebra</td>
<td>4</td>
<td>HU</td>
<td>Non-EE Elective</td>
</tr>
<tr>
<td>MA 481: Senior Seminar</td>
<td>1</td>
<td>HU</td>
<td></td>
</tr>
<tr>
<td>EE 480: Senior Design I</td>
<td>3</td>
<td>UND</td>
<td></td>
</tr>
<tr>
<td>ENGR 460: Engineering Economy</td>
<td>3</td>
<td>UND</td>
<td></td>
</tr>
<tr>
<td>Approved Electrical Engineering Elective</td>
<td>3</td>
<td>UND</td>
<td></td>
</tr>
<tr>
<td>Approved Electrical Engineering Elective</td>
<td>3</td>
<td>UND</td>
<td></td>
</tr>
</tbody>
</table>

### Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Taken</th>
<th>UND Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>Approved BT 3XX: Upper-level Bible Course</td>
<td>3</td>
<td>HU</td>
<td></td>
</tr>
<tr>
<td>Approved Studio Arts</td>
<td>1</td>
<td>HU</td>
<td></td>
</tr>
<tr>
<td>MA 471: Advanced Probability &amp; Stats</td>
<td>4</td>
<td>HU</td>
<td>EE 318</td>
</tr>
<tr>
<td>EE 481: Senior Design II</td>
<td>3</td>
<td>UND</td>
<td></td>
</tr>
<tr>
<td>Approved Electrical Engineering Elective</td>
<td>3</td>
<td>UND</td>
<td></td>
</tr>
<tr>
<td>Approved Electrical Engineering Elective</td>
<td>3</td>
<td>UND</td>
<td></td>
</tr>
</tbody>
</table>

### NOTES

1. Course should be taken as a J-Term Course from Huntington College.
2. Course should be taken as a Summer Term Course from Huntington College.
3. PHYS 251CL and PHYS 252CL are offered remotely during the summer semester from UND.
4. Due to MA 471 being offered every other spring, sequencing may require course to be taken in Junior Spring. To balance the workload, either 401/L, 405/L, 409, or 452/L may be moved to Senior Spring.