



## FINISH IN 4 AT UND

When you begin your Electrical Engineering degree at Bismarck State College.

### Plan of Study: Bachelor of Science in Electrical Engineering

<b>Begin courses at BSC</b>		
<b>First Year   First Semester</b>		
ENGL 110 – College Composition		3
MATH 165 – Calculus I		4
CHEM 121/121L – General Chemistry I and lab		5
Humanities course – HIST 101, 102, 103 or 104		3
Enrichment course		2
<b>Total Credits</b>		<b>17</b>
<b>First Year   Second Semester</b>		
COMM 110 – Public Speaking		3
ENGL 120/125 – College Composition <u>or</u> Intro to Professional Writing		3
MATH 166 – Calculus II		4
Fine Arts Elective		3
ECON 201 – Principles of Microeconomics		3
<b>Total Credits</b>		<b>16</b>
<b>Second Year   First Semester</b>		
MATH 227 – Applied Linear Algebra		3
MATH 265 – Calculus III		4
PHYS 251/251L – University Physics I and lab		5
EE 206/206L – Circuit Analysis and lab		4
<b>Total Credits</b>		<b>16</b>
<b>Apply to UND by April 15</b>		
<ul style="list-style-type: none"> <li>• Complete online application at <a href="http://UND.edu/transfer">UND.edu/transfer</a></li> <li>• Request BSC transcripts to be sent to UND.</li> </ul>		
<b>Apply for scholarships at UND by March 1</b>		
<ul style="list-style-type: none"> <li>• After admission submit application for campus-wide scholarships in UND's <a href="#">Scholarship Central</a></li> </ul>		
<b>Second Year   Second Semester</b>		
MATH 266 – Differential Equations		3
PHYS 252/252L – University Physics II and lab		5
Social Science elective		3
EE 313/313L – Linear Electrical Circuits and Lab (taken at UND)		4
<b>Total Credits</b>		<b>15</b>
<b>Take next steps to begin at UND</b>		
<ul style="list-style-type: none"> <li>• Begin new student checklist at <a href="http://UND.edu/admitted">UND.edu/admitted</a></li> <li>• Attend UND Transfer Student Orientation at <a href="http://UND.edu/orientation">UND.edu/orientation</a></li> </ul>		
<b>Third Year   First Semester</b>		
EE 101 – Intro to Electrical Engineering		1
EE 201/201L – Intro to Digital Electronics and lab		4
EE 316 – Electric and Magnetic Fields		3
EE 314/314L – Signals and Systems and lab		4
EE 318 – Engineering Data Analysis		3



EE 321/321L – Electronics I and lab	4
<b>Total Credits</b>	<b>19</b>
<b>Third Year   Second Semester</b>	
ENGR 460 – Engineering Economy	3
EE 401/401L – Electric Drives and lab	4
EE 421/421L – Electronics II and lab	4
EE 409 – Distributed Networks	3
EE 405/405L – Controls Systems I & Lab	4
<b>Total Credits</b>	<b>18</b>
<b>Fourth Year   First Semester</b>	
EE 304 – Computer Aided Measurement and Controls	3
EE 480 – Senior Design	3
EE Elective – Electrical Engineering Elective	3
EE Elective – Electrical Engineering Elective	3
Non-EE Elective – Non-Electrical Engineering elective	3
Hum/AW – Humanities – Analyzing Worldview	3
<b>Total Credits</b>	<b>18</b>
<b>Apply to graduate from UND</b>	
<ul style="list-style-type: none"> <li>After registering for your last semester of courses, apply at <a href="http://UND.edu/commencement">UND.edu/commencement</a></li> </ul>	
<b>Fourth Year   Second Semester</b>	
EE 481 – Senior Design II	3
EE 452/452L – Embedded Systems and lab	4
ENGR 340 – Professional Integrity in Engineering	3
EE Elective – Electrical Engineering Elective	3
EE Elective – Electrical Engineering Elective	3
Non-EE Elective – Non-Electrical Engineering Elective	3
<b>Total Credits</b>	<b>19</b>
<b>TOTAL CREDITS TO GRADUATE</b>	<b>138</b>