## LEADERS CAN START ANYWHERE...

## AND FINISH THEIR DEGREE AT UND

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

Courses are sequenced to provide guidance and to help ensure that prerequisites are met.

Catalog Year: 2022-2023

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

Begin courses at Bismarck State College					
First Year   First Semester					
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				
Total Credits					
First Year   Second Semester					
COMM 110 – Public Speaking	3				
ENGL 120/125 – College Composition or Intro to Professional Writing	3				
MATH 166 – Calculus II	4				
Fine Arts Elective	3				
ECON 201 – Principles of Microeconomics	3				
Total Credits	16				
Second Year   First Semester					
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				
Total Credits	16				
Apply to UND by April 15     Complete online application at UND.edu/transfer     Request transcripts to be sent to UND from BSC.  Apply for scholarships at UND by March 1     After admission submit application for campus-wide scholarships in UND's Scholarship Central					
Second Year   Second Semester					
MATH 266 – Differential Equations	3				
PHYS 252/252L – University Physics II and lab	5				
Social Science elective					
EE 313/313L – Linear Electrical Circuits and Lab (taken at UND)	3				
	3				
Total Credits	4				
Total Credits  Take next steps to begin at UND  Begin new student checklist at UND.edu/admitted  Attend UND Transfer Student Orientation at UND.edu/orientation	4				
<ul> <li>Take next steps to begin at UND</li> <li>Begin new student checklist at <u>UND.edu/admitted</u></li> <li>Attend UND Transfer Student Orientation at <u>UND.edu/orientation</u></li> </ul>	4				
Take next steps to begin at UND  Begin new student checklist at UND.edu/admitted  Attend UND Transfer Student Orientation at UND.edu/orientation  Third Year   First Semester	4				
<ul> <li>Take next steps to begin at UND</li> <li>Begin new student checklist at <u>UND.edu/admitted</u></li> <li>Attend UND Transfer Student Orientation at <u>UND.edu/orientation</u></li> </ul>	15				

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1	Date Modified	09/2022
	Questions? Contact:	UND Student Academic Success and Career Engagement UND.Transferadvising@und.edu
	contact.	(701) 777-2117

EE 314/314L – Signals and Systems and lab					
EE 318 – Engineering Data Analysis					
EE 321/321L – Electronics I and lab	4				
Total Credits	19				
Third Year   Second Semester	_				
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				
Total Credits	18				
Fourth Year   First Semester					
EE 304 – Computer Aided Measurement and Controls	3				
EE 480 – Senior Design	3				
EE Elective – Electrical Engineering Elective	3				
EE Elective – Electrical Engineering Elective					
Non-EE Elective – Non-Electrical Engineering elective	3				
Hum/AW – Humanities – Analyzing Worldview	3				
Total Credits	18				
Apply to graduate from UND     After registering for your last semester of courses, apply at UND.edu/commencement					
Fourth Year   Second Semester					
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				
Total Credits	19				
TOTAL CREDITS TO GRADUATE	138				

This information is provided as guide only. Students are strongly encouraged to meet with their major specific UND advisor.

An official evaluation of transfer credit will be done upon admission to the university. Transfer credits will be evaluated and applied according to the current catalog and the approved Essential Studies list at the first semester of enrollment at UND.

Transfer credit for courses other than those listed above will be evaluated on a course-by-course basis.

Students are required to fulfill UND graduation and GPA requirements to receive a degree and should consult with their UND advisor and the undergraduate catalog for details.

////	UNIVERSITY OF	
////	NORTH DAKOTA. LEADERS IN ACTION	
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