

Electrical Engineering

Department Information

- **Department Web Site:**
www.ndsu.edu/ece/ (<http://www.ndsu.edu/ece/>)
- **Credential Offered:**
B.S.E.E.
- **Official Program Curriculum:**
catalog.ndsu.edu/undergraduate/program-curriculum/electrical-engineering/ (<http://catalog.ndsu.edu/undergraduate/program-curriculum/electrical-engineering/>)

Sample Program Guide

IMPORTANT DISCLAIMER: This guide is not an official curriculum. This guide is a sample four-year degree plan of how students might plan this major with other degree requirements to complete their education in four years. Student plans will vary from this sample due to a variety of factors, such as, but not limited to, start year, education goals, transfer credit, and course availability. To ensure proper degree completion, enrolled students should utilize Degree Map (<https://www.ndsu.edu/registrar/degreemap/>) and Schedule Planner (<https://www.ndsu.edu/onestop/degree-map-and-planning/>) in Campus Connection and consult regularly with academic advisors to ensure graduation requirements are being met.

First Year			
Fall	Credits	Spring	Credits
MATH 098 ¹		3 MATH 103 ¹	3
ENGL 110		3 ENGL 120	3
COMM 110		3 CHEM 121	3
GEN ED Wellness		2 GEN ED Social/Behavioral Science	3
GEN ED Social/Behavioral Science and Global Perspective		3 GEN ED Humanities/Fine Arts and Cultural Diversity	3
		14	15
Second Year			
Fall	Credits	Spring	Credits
MATH 105 ¹		3 MATH 165 ¹	4
ECE 173 ¹		4 PHYS 251	4
ECE 275 ¹		4 ECE 111	3
MATH 129 ¹		3 GEN ED Science Lab (CHEM 121, PHYS 251, or PHYS 252)	1
		Tech Elective ²	
		14	12
Third Year			
Fall	Credits	Spring	Credits
MATH 166 ¹		4 MATH 265 ¹	4
EE 206 ¹		4 ECE 311	4
PHYS 252		4 ECE 320	3
ECE 351		4 ECE 321	2
GEN ED Upper Level English		3 ECE 376	4
		ECE 401	1
		19	18
Fourth Year			
Fall	Credits	Spring	Credits
MATH 266 ¹		3 ECE 405	3

ECE 343	4	ECE 341	3
ECE 331	4	ECE Elective	3
ENGR 327	3	ECE Elective	3
ECE 403	2	ECE Elective	3
16			15

Fifth Year			
Fall	Credits		
ECE 405	3		
Tech Elective ²	3		
Tech Elective ²	3		
Tech Elective ²	3		
12			

Total Credits: 135

1
This course requires the student to earn a "C" or better, in order to take upper level ECE courses.

2
Choose from the approved Tech Elective List