

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.

Freshman			
Fall	Credits	Spring	Credits
MATH 165 ¹		4 ECE 111 ¹	3
CHEM 121		3 ENGL 120	3
GEN ED Wellness		2 MATH 129 ¹	3
ECE 173 ¹		4 MATH 166 ¹	4
ENGL 110		3 PHYS 251	4
		16	17
Sophomore			
Fall	Credits	Spring	Credits
EE 206 ¹		4 COMM 110	3
MATH 265 ¹		4 ECE 311	4
PHYS 252		4 MATH 266 ¹	3
ECE 275 ¹		4 Tech Elective ²	3
GEN ED Science Lab (CHEM 121L, PHYS 251L or PHYS 252L)		1 GEN ED Humanities/Fine Arts and Cultural Diversity	3
		17	16
Junior			
Fall	Credits	Spring	Credits
ECE 320		3 ECE 401	1
ECE 321		2 ECE 341	3
ECE 376		4 ECE 331	4
ECE 351		4 Tech Elective ²	3
GEN ED ENGL/Upper Level Writing ³		3 ECE 343	4
		16	15
Senior			
Fall	Credits	Spring	Credits
ECE 403		2 ECE 405	3
ENGR 327 (FULFILLS HUMANITIES & FINE ARTS (A))		3 ECE Elective	3

ECE Elective	3 ECE Elective	3
Tech Elective ²	3 Tech Elective ²	3
GEN ED Social/Behavioral Sciences and Global Perspective	3 GEN ED Social & Behavioral Sciences	3
	14	15

Total Credits: 126

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

2
Choose from the approve Tech Elective List

3
Choose from ENGL 320, 321, 324 or 459