

Electrical Engineering and Physics

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-physics/ (<http://catalog.ndsu.edu/undergraduate/program-curriculum/electrical-engineering-physics/>)

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/degremap/>) 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
COMM 110		3 ECE 111	3
ENGL 110		3 ENGL 120	3
PHYS 171 ¹		1 MATH 129 ¹	3
ECE 173 ¹		4 MATH 166 ¹	4
MATH 165 ¹		4 PHYS 251 & 251L ¹	5
Gen Ed Wellness		2	
		17	18
Sophomore			
Fall	Credits	Spring	Credits
EE 206 ¹		4 PHYS 370 ¹	3
MATH 265 ¹		4 ECE 311	4
ECE 275 ¹		4 MATH 266 ¹	3
PHYS 252 & 252L ¹		5 PHYS 350 ¹	3
		Gen Ed Humanities/Fine Arts and Cultural Diversity	3
		17	16
Junior			
Fall	Credits	Spring	Credits
ECE 320		3 ECE 331	4
ECE 321		2 ECE 343	4
PHYS 355 ¹		3 ECE 351	4
PHYS 360 ¹		3 ECE 376	4
PHYS 462 ¹		3 ECE 401	1
ENGL 320, 321, 324, or 459		3	
		17	17

Senior			
Fall	Credits	Spring	Credits
ECE 341		3 ECE 405	3
ECE 403		2 ECE Elective	3
ENGR 327		3 ECE Elective	3
PHYS 485 ¹		3 Gen Ed Social & Behavioral Sciences and Global Perspectives	3
PHYS Elective (PHYS 215, 481, 486 or 489) ¹		3 Gen Ed Social & Behavioral Sciences	3
ECE/PHYS Elective (PHYS 411/L, PHYS 413, or PHYS 415) ¹		3	
		17	15

Total Credits: 134

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Grade of C or higher required.