

Electrical Engineering

Department Information

- **Department Location:**
101 Electrical and Computer Engineering
- **Department Phone:**
701-231-7019
- **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: A Sample Program Guide provides an unofficial guide of program requirements and should be used by prospective students who are considering attending NDSU in the future. It is NOT an official curriculum and should NOT be used by current NDSU students for official degree planning purposes. Note that the official curriculum used by current NDSU students can vary from the Sample Program Guide due to a variety of factors such as, but not limited to, start year, education goals, transfer credit, and course availability.

To ensure proper program 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 their academic advisor to ensure requirements are being met.

Freshman			
Fall	Credits	Spring	Credits
CHEM 121		3 ECE 111 ¹	3
Wellness Gen Ed		2 ENGL 120	3
ECE 173		4 MATH 129	3
ENGL 110		3 MATH 166	4
MATH 165		4 PHYS 251	4
		16	17
Sophomore			
Fall	Credits	Spring	Credits
EE 206		4 COMM 110	3
MATH 265		4 ECE 311	4
PHYS 252		4 MATH 266	3
ECE 275		4 Tech Elective	3
Gen Ed Science Lab		1 Humanities/Fine Arts Gen Ed	3
		17	16
Junior			
Fall	Credits	Spring	Credits
ECE 320		3 ECE 341	3
ECE 321		2 ECE 401	1
ECE 376		4 ECE 331	4
ECE 351		4 Tech Elective	3
ENGL/Upper Level Writing Gen Ed ³		3 ECE 343	4
		16	15

Senior			
Fall	Credits	Spring	Credits
ECE 403		2 ECE 405	3
ECE Elective		3 ECE Elective	3
ENGR 327 (FULFILLS HUMANITIES & FINE ARTS (A))		3 ECE Elective	3
Tech Elective		3 Tech Elective	3
Social/Behavioral Sciences Gen Ed ⁴		3 GEN ED Social & Behavioral Sciences "B"	3
14			15

Total Credits: 126

¹ Students must take ECE 111 prior to enrolling in ECE courses listed above in the Junior and Senior year; otherwise, students must take an additional ECE Elective in lieu of ECE 111.

² Suggested to take ENGR 311.

³ Select from ENGL 320, 321, 324 or 459 to satisfy the Upper Level Writing for General Education.

⁴ Suggested to take either ENGR 312, ECON 105, ECON 201, or ECON 202.

PROGRAM NOTES:

ECE Elective: any didactic ECE 4xx course (not x93, 494, 496).

Tech Elective: Please see department for complete listing.

Students must earn a "C" or better in ECE 173, ECE 275, EE 206 and all required MATH courses, before enrolling in ECE courses listed above in the Junior or Senior years.