

Electrical Engineering

Department Information

- **Department Location:**
Electrical and Computer Engineering
- **Department Phone:**
701-231-7019
- **Department Email:**
info@venus.ece.ndak.edu
- **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

Please note this is a sample program guide and not an official curriculum. Actual student schedules for each semester will vary depending on start year, education goals, applicable transfer credit, and course availability. Once admitted, students are encouraged to work with their assigned academic advisor on a regular basis to review degree progress.

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

ENGR 402	1 ECE Elective	3
ECE Elective	3 ECE Elective	3
Tech Elective	3 Humanities/Fine Arts Gen Ed ²	3
Social/Behavioral Sciences Gen Ed ⁴	3 Tech Elective	3
Social/Behavioral Sciences Gen Ed ⁴	3	
15		15

Total Credits: 127

- 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: ECE 374, any didactic ECE 4xx course, ECE x93 or 494 (max 6 credits total between x93 and 494), ECE 496 (max 3 credits), or any 33x, 35x, or 4xx level didactic ME course, or any course from accompanying list on the departmental website.

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.