

Schreiner University			UND		
Electrical Engineering requirements					
Must be taken at UND			EE 101	1	Introduction to Electrical Engineering
Must be taken at UND			EE 201/201L	4	Introduction to Digital Circuits
Must be taken at UND			EE 206/L	3	Circuit Analysis
Must be taken at UND			EE 304	3	Computer Aided Measurement and Controls
Must be taken at UND			EE 313/313L	4	Linear Electric Circuits and lab
Must be taken at UND			EE 314/314L	4	Signal and Systems and lab
Must be taken at UND			EE 316	3	Electric and Magnetic Fields
Must be taken at UND			EE 318	3	Engineering Data Analysis
Must be taken at UND			EE 321/321L	4	Electronics I and lab
Must be taken at UND			EE 401/401L	4	Electric Drives and lab
Must be taken at UND			EE 405/405L	4	Control Systems I and lab
Must be taken at UND			EE 409	3	Distributed Networks
Must be taken at UND			EE 421/421L	4	Electronics II and lab
Must be taken at UND			EE 452/452L	4	Embedded Systems and lab
Must be taken at UND			EE 480	3	Senior Design I
Must be taken at UND			EE 481	3	Senior Design II
EE elective requirements (12 total credits required)*					
Non-EE elective requirements (6 total credits required)*					
ENGR 2310	3	Engineering Statics	ENGR 201	3	Statics
ENGR 2320	3	Engineering Dynamics	ENGR 202	3	Dynamics
ENGR 2330	3	Mechanics of Materials	ENGR 203	3	Mechanics of Materials
ENGR 3320	3	Fluid Mechanics	ME 306	3	Fluid Mechanics
ENGR 3310	3	Engineering Thermodynamics	ME 341	3	Thermodynamics
College of Engineering and Mines Requirements					
PHIL 1310	3	Introduction to Ethics	ENGR 340	3	Professional Integrity in Engineering
Must be taken at UND			ENGR 460	3	Engineering Economy
Required courses for EE within other departments					
CHEM 1301/1101	4	General Chemistry I and lab	CHEM 121/L	3/1	General Chemistry I
MATH 2422	4	Calculus I	MATH 165	3/1	Calculus I
MATH 2423	4	Calculus II	MATH 166	4	Calculus II
			MATH 207	2	Linear Algebra
MATH 3324	4	Calculus III	MATH 265	4	Calculus III
MATH 3425	3	Differential Equations	MATH 266	3	Intro to Differential Equations
PHYS 2325/2125	4	University Physics I and lab	PHYS 251	4	University Physics I

PHYS 2326/2126	4	University Physics II and lab	PHYS 252	4	University Physics II
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Students transferring to UND with a completed 4-year accredited baccalaureate degree will have all Essential Studies requirements waived.

Students are encouraged to work with their academic advisor to choose technical electives that fit with their individual learning plan.