

LCMC Plan for Combined B.S. in Electrical Engineering from University of North Dakota (UND) and B.S in Applied Mathematics & Data Science from Saint Thomas University (STU)

FIRST YEAR FALL	Credits	Taken	UND Course
UNI 101: First Year Experience	1	STU	
MAC 2311: Calculus I	4	STU	See Notes ¹
CHM 1045/L: General Chemistry I/Lab	4	STU	See Notes ²
STA 2023: Applied Statistics	3	STU	
COP 2073: Intro to Data Science	3	STU	
Approved GER Course	3	STU	

FIRST YEAR SPRING	Credits	Taken	UND Course
MAC 2312: Calculus II	4	STU	See Notes ¹
CHM 1046/L: General Chemistry II/Lab	4	STU	See Notes ²
Approved GER Course	3	STU	
Approved GER Course	2	STU	
EE 201/L: Intro to Digital Electronics/Lab	4	UND	

SECOND YEAR FALL	Credits	Taken	UND Course
MAC 2311: Calculus III	4	STU	MATH 265
PHY 2048/L: University Physics I/Lab	5	STU	PHYS 251
EE 101: Intro to Electrical Engineering	1	UND	
EE 206/L: Circuit Analysis/Lab	4	UND	
EE 304: Comp. Aided Measurement...	3	UND	

SECOND YEAR SPRING	Credits	Taken	UND Course
MAS 3105: Intro to Linear Algebra	3	STU	MATH 207
PHYS 2049/L: University Physics II/Lab	5	STU	PHYS 252
MAP 2302: Differential Equations	3	STU	MATH 266
Approved GER Course	3	STU	
EE 313/L: Linear Electric Circuits/Lab	4	UND	

THIRD YEAR FALL	Credits	Taken	UND Course
Approved GER Course	3	STU	
EE 314/L: Signal & Systems/Lab	4	UND	
EE 316: Electric and Magnetic Fields	3	UND	
EE 321/L: Electronics I/Lab	4	UND	
EE 318: Engineering Data Analysis	3	UND	

THIRD YEAR SPRING	Credits	Taken	UND Course
Approved GRE Course	3	STU	
EE 401/L: Electric Drives/Lab	4	UND	
EE 405/L: Control Systems I/Lab	4	UND	
EE 421/L: Electronics II/Lab	4	UND	
EE 409: Distributed Networks	3	UND	

FOURTH YEAR FALL	Credits	Taken	UND Course
PHY 3101C: Modern Physics	3	STU	Non-EE Elect.
Approved GER Course	3	STU	
Approved GER Course	3	STU	
EE 480: Senior Design I	3	UND	
ENGR 460: Engineering Economy	3	UND	
Approved Electrical Engineering Elective	3	UND	

FOURTH YEAR SPRING	Credits	Taken	UND Course
Approved GRE Course	3	STU	
Approved GRE Course	3	STU	
EE 452/L: Embedded Systems/Lab	4	UND	
EE 481: Senior Design II	3	UND	
Approved Electrical Engineering Elective	3	UND	

FIFTH YEAR FALL	Credits	Taken	UND Course
Approved Ethics Course	3	STU	See Note ³
BSC 1010/L: Principles of Biology/Lab	4	STU	
Approved GER Course	3	STU	
Approved Electrical Engineering Elective	3	UND	
Approved Electrical Engineering Elective	3	UND	

FIFTH YEAR SPRING	Credits	Taken	UND Course
Approved Math Elective (4000 level)	3	STU	
MAT 310: Advanced Statistics	3	STU	
COP 2030: Prog. for Data Analytics	3	STU	
CIS 401: Topics in Big Data Analytics	3	STU	
Approved Non-Electrical Engr Elective	3	UND	

NOTES	¹ MAC 2311 and MAC 2312 must both be completed at a C or higher for equivalency to UND's MATH 165 and 166.
	² CHM 1045, 1045L, 1046, and 1046 must all be completed at a C or higher for equivalency to UND's CHEM 121, 121L, 122, and 122L.
	³ Students may choose from STU's PHI 3609, PHI 3633, PHI 3640, or PHI 3641 in order to fulfill UND's ENGR 340 course requirement.
<i>Plan created October 2023 using requirements from the 2023-2024 UND catalog</i>	