

LCMC Plan for Combined B.S. in Electrical Engineering from University of North Dakota (UND) and B.S. in Mathematics from Concordia University Texas (CTX)

FIRST YEAR FALL	Credits	Taken	UND Course
MTH 1351: College Algebra	3	CTX	
CSC 1401: Intro to Computer Sci...	4	CTX	
ENG 1316: Written Communication	3	CTX	
Approved Behavioral Sci. Course	3	CTX	
LDR 1100: Life & Leadership	1	CTX	

FIRST YEAR SPRING	Credits	Taken	UND Course
MTH 1352: Pre-Calculus	3	CTX	
MTH 2301: Intro to Statistics	3	CTX	
REL 1301: New Testament	3	CTX	
CHEM 1341: General Chemistry I	3	CTX	CHEM 121
CHEM 1141: General Chem. I Lab	1	CTX	CHEM 121L
Approved Fine Arts Course	3	CTX	

SECOND YEAR FALL	Credits	Taken	UND Course
MATH 2401: Calculus I	4	CTX	Note ¹
MTH 2305: Discrete Structures	3	CTX	Non-EE Elective
Approved History Course	3	CTX	
REL 1311: Old Testament	3	CTX	
EE 101: Intro to Electrical Eng...	1	UND	

SECOND YEAR SPRING	Credits	Taken	UND Course
MTH 2402: Calculus II	4	CTX	Note ¹
MTH 3311: Linear Algebra	3	CTX	MATH 207
Approved Leadership Course	2	CTX	
POLS 1303: Political Science	3	CTX	
EE 201/L: Intro to Digital Elec./Lab	4	UND	

THIRD YEAR FALL	Credits	Taken	UND Course
MTH 3410: Calculus III	4	CTX	MATH 265
MTH 3317: Differential Equations	3	CTX	MATH 266
EE 206/L: Circuit Analysis/Lab	4	UND	
PHYS 251C: University Physics I	3	UND	
EE 304: Comp. Aided Measure...	3	UND	

THIRD YEAR SPRING	Credits	Taken	UND Course
Upper-Level Math Elective	3	CTX	
Upper-Level Math Elective	3	CTX	
ENGR 460: Engineering Economy	3	UND	
PHYS 252C: University Physics II	3	UND	
EE 313/L: Linear Electric.../Lab	4	UND	Note ²

FOURTH YEAR FALL	Credits	Taken	UND Course
MTH 3315: Abstract Algebra	3	CTX	Non-EE Elective
Approved Leadership Course	1	CTX	
EE 314/L: Signals & Systems/Lab	4	UND	
EE 316: Electric and Magnetic...	3	UND	Note ²
EE 318: Engineering Data Analysis	3	UND	Note ²
EE 321/L: Electronics I/Lab	4	UND	Note ²

FOURTH YEAR SPRING	Credits	Taken	UND Course
Upper-Level Math Elective	3	CTX	
Upper-Level Religious Elective	3	CTX	
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	

FIFTH YEAR FALL	Credits	Taken	UND Course
Upper-Level Math Elective	3	CTX	
EE 480: Senior Design I	3	UND	
Electrical Engineering Elective	3	UND	
Electrical Engineering Elective	3	UND	
Electrical Engineering Elective	3	UND	
ENGR 460: Engineering Economy	3	UND	

FIFTH YEAR SPRING	Credits	Taken	UND Course
Upper-Level Math Elective	3	CTX	
EE 481: Senior Design II	3	UND	
Electrical Engineering Elective	3	UND	
EE 409: Distributed Networks	3	UND	
EE 452/L: Embedded Systems/Lab	4	UND	

SUMMER COURSE REQUIREMENTS			
Course	Credits	When to Take	Taken
PHYS 251CL: University Physics I Lab	1	After Junior Spring	Remotely from UND
PHYS 252CL: University Physics II Lab	1	After Junior Spring	Remotely from UND

NOTES	¹ CTX's MTH 240 and 2402 combined is equivalent to UND's MATH 165 and MATH 166. Both must be completed at a "C" or higher for transfer.
	² Course has been approved to transfer back to CTX in order to fulfill degree requirements there. Students should connect with CTX advisor to confirm steps to have it apply.
<p>List does not include requirements for UND's Essential Studies University requirements; students who have completed a 4-year regionally accredited baccalaureate degree will have all Essential Studies requirements waived per UND policy.</p> <p><i>The above plan may not reflect the only path to graduation, nor should it be used as the sole advising document. Students are required to complete all requirements as listed in the UND Academic Catalog for graduation purposes and should work with their UND advisor to confirm progress towards completion. Plans reviewed/revised October 2024 for UND's 2024-2025 Academic Catalog requirements' listings.</i></p>	