

LCMC Plan for Combined B.S. in Civil 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	ECON 210
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	
Approved History Course	3	CTX	
REL 1311: Old Testament	3	CTX	
CE 101: Intro to Civil Engineering	1	UND	
ENGR 200: Comp. App. In Eng...	2	UND	

SECOND YEAR SPRING	Credits	Taken	UND Course
MTH 2402: Calculus II	4	CTX	Note ¹
MTH 3311: Linear Algebra	3	CTX	
Approved Leadership Course	2	CTX	
CHE 1342: Chemistry II	3	CTX	Basic Sci. Req.
CHE 1142: Chemistry II Lab	1	CTX	Basic Sci. Req.
PHYS 251C: University Physics I	3	UND	

THIRD YEAR FALL	Credits	Taken	UND Course
MTH 3410: Calculus III	4	CTX	MATH 265
MTH 3317: Differential Equations	3	CTX	MATH 266
Upper-Level Math Elective	3	CTX	
Approved Geology Course	3	UND	
ENGR 201: Statics	3	UND	
CE 313: General Surveying	2	UND	

THIRD YEAR SPRING	Credits	Taken	UND Course
Upper-Level Math Elective	3	CTX	
POLS 1303: Political Science	3	CTX	
ENGR 202: Dynamics	3	UND	
ENGR 203: Mechanics of Materials	3	UND	
CE 103: Graphical Communication	3	UND	

FOURTH YEAR FALL	Credits	Taken	UND Course
MTH 3315: Abstract Algebra	3	CTX	
Approved Leadership Course	1	CTX	
CE 306: Fluid Mechanics	3	UND	Note ²
CE 351: Structural Mechanics	3	UND	Note ²
CE 412: Soil Mechanics	3	UND	
ENGR 340: Prof. Integrity in...	3	UND	

FOURTH YEAR SPRING	Credits	Taken	UND Course
Upper-Level Math Elective	3	CTX	
Upper-Level Religious Elective	3	CTX	
CE 423: Hydraulic Engineering	3	UND	
CE 431: Principles of Water...	3	UND	
CE 451: Steel Design	3	UND	
Approved CE Technical Elective	3	UND	

FIFTH YEAR FALL	Credits	Taken	UND Course
Upper-Level Math Elective	3	CTX	
CE 421: Hydrology	3	UND	Note ²
CE 453: Reinforced Concrete	3	UND	
CE 432: Environmental Eng...	3	UND	
CE 482: Civil Engineering Design I	3	UND	
ENGR 460: Engineering Economy	3	UND	

FIFTH YEAR SPRING	Credits	Taken	UND Course
Upper-Level Math Elective	3	CTX	
CE 414: Foundation Engineering	3	UND	
CE 416: Transportation Engineering	3	UND	
CE 444: Contracts and Specifications	3	UND	
CE 483: Civil Engineering Design II	3	UND	
Approved CE Technical Elective	3	UND	

SUMMER COURSE REQUIREMENTS

Course	Credits	When to Take	Taken
PHYS 251CL: University Physics I Lab	1	After Junior Spring	Remotely from UND
CE 313L: General Surveying Lab	1	After Senior Spring	On-Campus Lab at UND
CE 411: Civil Engineering Materials Lab	1	After Senior Spring	On-Campus Lab at UND
CE 412L: Soil Mechanics Lab	1	After Senior Spring	On-Campus Lab at UND
CE 423L: Hydraulic Engineering Lab	1	After Senior Spring	On-Campus Lab at UND
CE 431: Environmental Engineering Lab	1	After Senior Spring	On-Campus Lab at 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>	