

LCMC Plan for Combined B.S. in Mechanical 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	
ME 101: Intro to Mechanical Eng...	3	UND	

SECOND YEAR SPRING	Credits	Taken	UND Course
MTH 2402: Calculus II	4	CTX	Note ¹
MTH 3311: Linear Algebra	3	CTX	
POLS 1303: Political Science	3	CTX	
PHYS 251C: University Physics I	3	UND	
ENGR 200: Comp. App. In Eng...	2	UND	

THIRD YEAR FALL	Credits	Taken	UND Course
MTH 3410: Calculus III	4	CTX	MATH 265
MTH 3317: Differential Equations	3	CTX	MATH 266
ENGR 201: Statics	3	UND	
MATH 321: Applied Statistical...	3	UND	
ENGR 206: Fund. Of Electrical...	3	UND	

THIRD YEAR SPRING	Credits	Taken	UND Course
Upper-Level Math Elective	3	CTX	
Approved Leadership Course	2	CTX	
ENGR 202: Dynamics	3	UND	
ENGR 203: Mechanics of Materials	3	UND	
ME 201C: Student Design Lecture	1	UND	
PHYS 252C: University Physics II	3	UND	
ME 341: Thermodynamics	3	UND	

College of Engineering & Mines Curriculum Information

FOURTH YEAR FALL	Credits	Taken	UND Course
MTH 3315: Abstract Algebra	3	CTX	Tech. Elec.
Approved Leadership Course	1	CTX	
Upper-Level Math Elective	3	CTX	
ME 301: Material Science	3	UND	Note ²
ENGR 460: Engineering Economy	3	UND	
ME 306: Fluid Mechanics	3	UND	Note ²
ME 322: Design of Machinery	3	UND	

FOURTH YEAR SPRING	Credits	Taken	UND Course
Upper-Level Math Elective	3	CTX	
Upper-Level Math Elective	3	CTX	
Upper-Level Religious Elective	3	CTX	
ME 418: Manufacturing Processes	3	UND	
ME 474: Fund. Of Heat and Mass...	3	UND	Note ²
ME 323/L: Machine Component...	4	UND	

FIFTH YEAR FALL	Credits	Taken	UND Course
Upper-Level Math Elective	3	CTX	
ME 480: Mech. Eng. Seminar	3	UND	
ME 487: Engineering Design	2	UND	
Technical Elective- M&M	3	UND	
Technical Elective	3	UND	
ENGR 340: Prof. Integrity in...	3	UND	

FIFTH YEAR SPRING	Credits	Taken	UND Course
Upper-Level Math Elective	3	CTX	
ME 488: Engineering Design	3	UND	
Technical Elective- Thermal Sci.	3	UND	
Technical Elective- Mech. Design	3	UND	
Technical Elective	3	UND	
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
PHYS 252CL: University Physics II Lab	1	After Junior Spring	Remotely from UND
ME 201L: Student Design Lab	1	After Junior Spring	On-Campus Lab at UND
ME 418L: Manufacturing Processes Lab	1	After Senior Spring	On-Campus Lab at UND
ME 483: Mechanical Measurements Lab	3	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.
	Students are heavily encouraged to work with advisors from both institutions as some semesters are heavy credit-wise to see what modifications may be possible on an individual basis.
<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>	