

## B.S. in Civil Engineering from UND with St. Thomas University (STU)

FIRST YEAR FALL	Credits	Taken	UND Course
UNI 101: First Year Experience	1	STU	
MAC 2311: Calculus I	4	STU	See Below <sup>1</sup>
PHY 2045/L: University Physics I & Lab	3	STU	PHYS 251
Approved GER Course	3	STU	
Approved GER Course	3	STU	

FIRST YEAR SPRING	Credits	Taken	UND Course
MAC 2312: Calculus II	4	STU	See Below <sup>1</sup>
PHY 2049/L: University Physics II & Lab	4	STU	PHYS 252
Approved GER Course	3	STU	
Approved GER Course	3	STU	
Approved GER Course	3	STU	

SECOND YEAR FALL	Credits	Taken	UND Course
MAC 2313 Calculus III	4	STU	MATH 265
CHM 1045/L General Chemistry I & Lab	4	STU	See Below <sup>2</sup>
CE 101: Introduction to CE	1	UND	
ENGR 200: Computer Apps in Engr.	2	UND	
ENGR 201: Statics	3	UND	
Approved GER Course	3	STU	

SECOND YEAR SPRING	Credits	Taken	UND Course
CHM 1046/L: General Chemistry II & Lab	4	STU	See Below <sup>2</sup>
MAP 2302: Differential Equations	3	STU	MATH 266
CE 306: Fluid Mechanics	3	STU	
ENGR 202: Dynamics	3	UND	
ENGR 203: Mechanics of Materials	3	UND	
CE 103: Graphical Communications	3	UND	

THIRD YEAR FALL	Credits	Taken	UND Course
CE 351: Structural Mechanics	4	UND	
CE 412: Soil Mechanics	3	UND	
CE 421: Hydrology	3	UND	
Approved GER Course	3	STU	
CE 313: General Surveying	3	UND	
Approved Ethics Course	3	STU	ENGR 340

THIRD YEAR SPRING	Credits	Taken	UND Course
CE 423: Hydraulic Engineering	3	UND	
CE 431: Eng. Engineering I	3	UND	
CE 451: Steel Design	3	UND	
Approved GER Course	3	STU	
CE 414: Foundations Engineering	3	UND	
STU 2023: Applied Statistics	3	STU	ECON 210

FOURTH YEAR FALL	Credits	Taken	UND Course
CE 482: Civil Engineering Design I	3	UND	
CE 432: Environmental Engineering II	3	UND	
CE 453: Reinforced Concrete	3	UND	
Approved GER Course	3	STU	
Approved Technical Elective	3	UND	
ENGR 460: Engineering Economy	3	UND	

FOURTH YEAR SPRING	Credits	Taken	UND Course
CE 483: Civil Engineering Design II	3	UND	
CE 444: Contracts and Specifications	3	UND	
CE 416: Transportation Engineering	3	UND	
Approved GER Course	3	STU	
GEOL 101: Introduction to Geology	3	UND	
Approved Technical Elective	3	UND	

SUMMER LABS (ON UND CAMPUS)	Credits	When to Take
CE 313L: General Surveying Lab	1	After Third Year Spring
CE 411: Civil Engineering Material Lab	1	After Third Year Spring
CE 412L: Soil Mechanics Lab	1	After Third Year Spring
CE 423L: Hydraulic Engineering Lab	1	After Third Year Spring
CE 431: Environmental Engineering I Lab	1	After Third Year Spring

NOTES	
	<sup>1</sup> MAC 2311 and MAC 2312 must both be completed for equivalency to UND's MATH 165 and 166
	<sup>2</sup> CHM 1045 and CHM 1046 combine for equivalency to CHEM 121 and CHEM 122 from UND, and CHM 1045L and CHM 1046L combine for equivalency to CHEM 121L and CHEM 122L from UND
	<sup>3</sup> Students may choose from STU's PHI 3609, PHI 3633, PHI 3640, or PHI 3641 in order to fulfill ENGR 340: Professional Integrity in Engineering requirement at UND.