

## B.S. in Mechanical 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 2048/L: University Physics I & Lab	4	STU	PHYS 251/L
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/L
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 145/L: General Chemistry I & Lab	3	STU	See Below <sup>2</sup>
ME 101: Introduction to ME	3	UND	
ENGR 200: Computer Apps in Engr.	2	UND	
ENGR 201: Statics	3	UND	

SECOND YEAR SPRING	Credits	Taken	UND Course
COP 2224: Intro to C++ Programming	3	STU	
MAP 2302: Differential Equations	3	STU	MATH 266
CHM 1046/L: General Chemistry II & L	4	STU	See Below <sup>2</sup>
ME 201C: Student Design Lecture	1	UND	
ENGR 202: Dynamics	3	UND	

THIRD YEAR FALL <sup>3</sup>	Credits	Taken	UND Course
Approved GER Course	3	STU	
ENGR 203: Mechanics of Materials	3	UND	
ME 341: Thermodynamics	3	UND	
ME 301: Material Science	4	UND	
ME 306: Fluid Mechanics	3	UND	

THIRD YEAR SPRING	Credits	Taken	UND Course
Approved GER Course	3	STU	
ME 322: Design of Machinery	3	UND	
ME 323/L: Machine Component Design	4	UND	
ME 474: Fundamentals of Heat & Mass	3	UND	
ENGR 206: Fundamentals of EE	3	UND	
ME 418: Manufacturing Processes	3	UND	

FOURTH YEAR FALL	Credits	Taken	UND Course
ME 480: Mechanical Engr. Seminar	3	UND	
ME 487: Engineering Design	2	UND	
MATH 321: Applied Statistical Methods	3	UND	
Approved GER Course	3	STU	
Approved Technical Elective – Mechanical Design	3	UND	
ENGR 460: Engineering Economy	3	UND	

FOURTH YEAR SPRING	Credits	Taken	UND Course
Approved GER Course	3	STU	
Approved GER Course	3	STU	
ME 488: Engineering Design	3	UND	
Approved Technical Elective – Manufacturing and Materials	3	UND	
Approved Technical Elective – Thermal Sciences	3	UND	

<b>FIFTH YEAR FALL</b>	Credits	Taken	UND Course
Approved Technical Elective	3	UND	
Approved Technical Elective	3	UND	
Approved Technical Elective	3	UND	
Approved Technical Elective	3	UND	
Approved GER Course	3	STU	
Approved Ethics Course <sup>4</sup>	3	STU	ENGR 340

<b>SUMMER LABS (ON UND CAMPUS)</b>	Credits	When to Take
ME 201L: Student Design Lab	1	After Second Year Spring
ME 418L: Manufacturing Processes Lab	1	After Third Year Spring
ME 483: Mechanical Measurements Lab	3	After Third Year Spring

<b>NOTES</b>	
	<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> Student will need to apply for provisional acceptance into Professional Degree Program at UND in order to register for courses in this semester. UND ME Department will waive ENGL 110/130 requirements for PDP Application as long as student has ENGL 1101 and ENGL 1102 successfully completed from Piedmont.
	<sup>4</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.