

B.S. in Mechanical Engineering from UND and B.S. in General Engineering from Siena Heights University (SHU)

FIRST YEAR FALL	Credits	Taken	UND Course
MAT 181: Calculus I	4	SHU	MATH 165
CHE 141: General Chemistry I	4	SHU	CHEM 121/L
LAS 130: First Year Experience	3	SHU	
ENG 101: Reading & Writing I	3	SHU	ENGL 110
PHY 111/SOC 111/ECO 221/222	3	SHU	

FIRST YEAR SPRING	Credits	Taken	UND Course
MAT 182: Calculus II	4	SHU	MATH 166
CHE 142: General Chemistry II	4	SHU	
LAS 141: Diversity in Community	3	SHU	
ENR 150: Statics	3	SHU	ENGR 201
ENG 102: Reading & Writing II	3	SHU	ENGL 130

SECOND YEAR FALL	Credits	Taken	UND Course
ENR 220: Engineering Thermodynamics	3	SHU	ME 341
ENR 250: Mechanics of Materials	3	SHU	ENGR 203
PHY 161: Physics I	4	SHU	PHYS 251
MAT 292: Multivariable Calculus	4	SHU	MATH 265
ME 101: Intro to Mechanical Engineering	3	UND	

SECOND YEAR SPRING	Credits	Taken	UND Course
PHY 162: Physics II	4	SHU	PHYS 252
MAT 282: Differential Equations	3	SHU	MATH 266
ENR 260: Dynamics	3	SHU	ENGR 202
MATH 321: Applied Statistical Methods ¹	3	UND	
ENGR 200: Computer Applications for Engr.	2	UND	
ME 201C: Student Design Lecture	1	UND	

THIRD YEAR FALL	Credits	Taken	UND Course
ENR 202: Dev Skills for Internship	2	SHU	
ME 301: Materials Science	3	UND	
ME 322: Design of Machinery	3	UND	
ENGR 460: Engineering Economy	3	UND	
ME 306: Fluid Mechanics	3	UND	
ME Tech Elective-Thermal Science	3	UND	

THIRD YEAR SPRING	Credits	Taken	UND Course
ENR 270: Circuit Analysis	4	SHU	EE 206/L
MAT 345: Linear Algebra	3	SHU	
ME 323: Machine Component Design	3	UND	
ME 323L: Machine Component Design Lab	1	UND	
ME 418: Manufacturing Process	2	UND	
ME 474: Fund. of Heat & Mass Transfer	3	UND	
ME Technical Elective-Mech Design	3	UND	

FOURTH YEAR FALL	Credits	Taken	UND Course
LAS 341: Contemplation & Action	3	SHU	
ME 480: Mech. Engineering Seminar	2	UND	
ME 487: Engineering Design	3	UND	
ME Technical Elective- M&M	3	UND	
ME Technical Elective	3	UND	
ENGR 340: Professional Integrity in Engr.	3	UND	

FOURTH YEAR SPRING	Credits	Taken	UND Course
LAS 441: Justice & Peace	3	SHU	
RST 314: World Religions	3	SHU	
ME 488: Engineering Design	3	UND	
ME Technical Elective	3	UND	
ME Technical Elective	3	UND	
ME Technical Elective	3	UND	

SUMMER CLASSES & LABS	Credits	Taken	When to Take
LAS 241: Inquiry & Truth	3	SHU	After Second Year Spring
Approved Fine Art	3	SHU	Any Summer
ME 201L: Student Design Lab	1	UND	After Second Year Spring
ME 418L: Manufacturing Process	1	UND	After Third Year Spring
ME 483: Mechanical Measurements Lab	3	UND	After Third Year Spring

NOTES	¹ Course will transfer back to SHU as MAT 440
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Plans updated 6.30.2023