

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

FIRST YEAR FALL	Credits	Taken	UND Course
CHE 141: General Chemistry	4	SHU	CHEM 121/L
MATH 181: Calculus & Analytical Geometry I	4	SHU	MATH 165
ENG 101: Reading & Writing I	3	SHU	
LAS 130: First Year Experience	3	SHU	
GE SS Liberal Arts Social Science	3	SHU	
ENR 149: Intro to Electrical Engineer	1	SHU	EE 101

SECOND YEAR FALL	Credits	Taken	UND Course
MAT 292: Multivariable Calculus	4	SHU	MATH 265
ENR 250: Mechanics of Materials	3	SHU	Non-EE Elective
PHY 161: Physics I	4	SHU	PHYS 251
EE 201/L: Intro to Digital Electronic	3	UND	
EE 304: Computer Aided Measurement and Controls	3	UND	

THIRD YEAR FALL	Credits	Taken	UND Course
ENR 220: Engineering Thermodynamics	3	SHU	
ENR 202: Dev Skills for Internship	2	SHU	
EE 321/L: Electronics I	4	UND	
EE 316: Electric & Magnetic Fields	3	UND	
EE 314/L: Signals and Systems & Lab	4	UND	

FOURTH YEAR FALL	Credits	Taken	UND Course
LAS 441: Justice & Peace	3	SHU	
EE 480: Senior Design I	3	UND	
EE 318: Engineering Data Analysis	3	UND	
EE Elective	3	UND	
ENGR 340: Professional Integrity in Engineering	3	UND	
EE Elective	3	UND	

FIRST YEAR SPRING	Credits	Taken	UND Course
MAT 182: Calculus & Analytical Geometry II	4	SHU	MATH 166
CHE 142: General Chemistry II	4	SHU	
ENR 150: Statics	3	SHU	Non-EE Elective
ENR 270 Circuit Analysis	4	SHU	EE 206/L
ENG 102: Reading & Writing II	3	SHU	

SECOND YEAR SPRING	Credits	Taken	UND Course
MAT 282: Differential Equations	3	SHU	MATH 266
PHY 162: Physics II	4	SHU	PHYS 252
ENR 140: Programming I	3	SHU	
EE 313L: Circuits Laboratory II	1	UND	
EE 313: Linear Electric Circuits	3	UND	
ENGR 460: Engineering Economy	3	UND	

THIRD YEAR SPRING	Credits	Taken	UND Course
MAT 345: Linear Algebra	3	SHU	MATH 207
ENR 260: Dynamics	3	SHU	
EE 405/L: Control Systems I	4	UND	
EE 421/L: Electronics II	4	UND	
EE 452/L: Embedded Systems	4	UND	

FOURTH YEAR SPRING	Credits	Taken	UND Course
RST 314: World Religions	3	SHU	
EE 481: Senior Design II	3	UND	
EE 409: Distributed Networks	3	UND	
EE 401/L: Electric Drives	4	UND	
EE Elective	3	UND	
EE Elective	3	UND	

SUMMER CLASSES & LABS	Credits	Taken	When to Take
LAS 141: Diversity in Community	3	SHU	After First Year Spring
LAS 241: Inquiry & Truth	3	SHU	After Second Year Spring
GE FP Liberal Arts Fine/Performing Arts	3	SHU	After Second Year Spring
LAS 341: Contemplation & Action	3	SHU	After Third Year Spring

Plan has been updated as of 6/30/2023