

B.S. in Electrical Engineering from UND and B.S. in Physics from McMurry University (McM) – Even Year Start

FIRST YEAR FALL	Credits	Taken	UND Course
PHYS 2510: University Physics I	5	McM	PHYS 251
MATH 2421: Calculus I	4	McM	MATH 165
ACAD 1340: Freshman Seminar	3	McM	
ENG 1310: Composition and Rhetoric	3	McM	
PHYS 1200: Intro to Engineering	2	McM	

SECOND YEAR FALL	Credits	Taken	UND Course
PHYS 3300: Modern Physics	3	McM	
MATH 2340: Linear Algebra	3	McM	MATH 207
PHYS 2310: Automated Experiments	3	McM	
MATH 3341: ODE	3	McM	MATH 266
CHEM 1410: General Chemistry I	4	McM	*See Comb. Below

THIRD YEAR FALL	Credits	Taken	UND Course
PHYS 4310: Electricity and Magnetism	3	McM	
CSC 1306: Programming for Non-Majors	3	McM	
Gen Ed Course	3	McM	
EE 206/L: Circuit Analysis and Lab	4	UND	
EE 304: Computer Aided Measurement and Control	3	UND	

FIRST YEAR SPRING	Credits	Taken	UND Course
PHYS 2520: University Physics II	5	McM	PHYS 252
MATH 2322: Calculus II	3	McM	MATH 166
ENG 1320: Composition and Literature	3	McM	
Approved Comm. Course	3	McM	
Gen. Ed. Course	3	McM	

SECOND YEAR SPRING	Credits	Taken	UND Course
MATH 3301: Multivariate Calculus	3	McM	MATH 265
PHYS 3350: Electronics	3	McM	
CHEM 1420: General Chemistry II	4	McM	*See Comb. Below
MATH 4351: Calculus-Based Probability and Statistics	3	McM	EE 318
Gen. Ed. Course	3	McM	
EE 101: Intro to Electrical Engineering	1	UND	See Note**

THIRD YEAR SPRING	Credits	Taken	UND Course
PHYS 4312: Electricity and Magnetism II	3	McM	
PHYS 3270: Adv. Lab	2	McM	
PHYS 4175: Research Proposal	1	McM	
Gen. Ed. Course	3	McM	
Gen. Ed. Course	3	McM	
EE 313/L: Linear Electric Circuits and Lab	4	UND	

FOURTH YEAR FALL	Credits	Taken	UND Course
PHYS 4275: Research Project	2	McM	
PHYS 4300: Classical Mechanics	3	McM	Non-EE Elective
PHYS 3352: Digital Electronics	3	McM	EE 201/L
EE 316: Electric and Magnetic Fields	3	UND	
EE 321/L: Electronics I and Lab	4	UND	
EE 314/L: Signals and Systems and Lab	4	UND	

FOURTH YEAR SPRING	Credits	Taken	UND Course
PHYS 4330: Quantum Mechanics	3	McM	Non-EE Elective
EE 401/L: Electric Drives and Lab	4	UND	
EE 405/L: Control Systems I and Lab	4	UND	
EE 421/L: Electronics II and Lab	4	UND	
EE 409: Distributed Networks	3	UND	

FIFTH YEAR FALL	Credits	Taken	UND Course
SRLD 1300: Introduction to Ethics	3	McM	ENGR 340
EE 480: Senior Design I	3	UND	
Electrical Engineering Elective	3	UND	
Electrical Engineering Elective	3	UND	
ENGR 460: Engineering Economy	3	UND	

FIFTH YEAR SPRING	Credits	Taken	UND Course
Gen. Ed. Course	3	McM	
EE 481: Senior Design II	3	UND	
Electrical Engineering Elective	3	UND	
Electrical Engineering Elective	3	UND	
EE 452/L: Embedded Systems and Lab	4	UND	

NOTES	
	*CHEM 1410 and CHEM 1420 combined are equivalent to CHEM 121/L and CHEM 122/L at UND
	**Course will transfer back to McMurry and fulfill "Engineering Ethics" requirement