

## B.S. in Electrical Engineering from UND and B.S. in Mathematics from Huntington University (HU)

FIRST YEAR FALL	Credits	Taken	UND Course
CE 161/L: Principles of Chem I & Lab	4	HU	CHEM 121/L
EN 121: Academic Writing and Research	3	HU	
MA 171: Calculus I	4	HU	MATH 165
MA 165: Discrete Mathematics	3	HU	
HS 115: Historical Perspectives I	3	HU	
Approved Artistic Expression Course <sup>1</sup>	2	HU	

SECOND YEAR FALL	Credits	Taken	UND Course
MA 205: Intro to Proof	3	HU	
MA 273: Calculus III	4	HU	MATH 265
PHYS 251C: University Physics I	3	UND	
EE 206/L: Circuit Analysis & Lab	4	UND	
EE 304: Computer Aided Measurement and Control	3	UND	
Approved J-Term Elective <sup>1</sup>	2	HU	

THIRD YEAR FALL	Credits	Taken	UND Course
MA 431: Real Analysis	4	HU	Non-EE Elective
PY 111: Psychology	3	HU	
EE 316: Electric and Magnetic Fields	3	UND	
EE 314/L: Signals and Systems & Lab	3	UND	
EE 321/L: Electronics I & Lab	4	UND	
MA 210: History of Math <sup>1</sup>	2	HU	

FIRST YEAR SPRING	Credits	Taken	UND Course
MA 172: Calculus	4	HU	MATH 166
HS 116: Historical Perspectives II	3	HU	
BR 111: Biblical History & Literature	3	HU	
PL 260: Ethics	3	HU	ENGR 340
EE 101: Introduction to Electrical Engr.	1	UND	
EE 201/L: Intro to Digital Electronics & Lab	3	UND	
MI 285: Understanding Christian Faith <sup>2</sup>	3	HU	

SECOND YEAR SPRING	Credits	Taken	UND Course
MA 371: Differential Equations	3	HU	MATH 266
MA 311: Linear Algebra	3	HU	MATH 207
EN 151: Perspectives on Literature	3	HU	
PHYS 252C: University Physics II (lecture)	3	UND	
EE 313/L: Linear Electric Circuits & Lab	4	UND	
EX 101: Wellness <sup>2</sup>	2	HU	
PHYS 251CL: University Physics I Lab <sup>3</sup>	1	UND	
PHYS 252CL: University Physics II Lab <sup>3</sup>	1	UND	

THIRD YEAR SPRING	Credits	Taken	UND Course
EE 401/L: Electric Drives & Lab <sup>4</sup>	4	UND	
EE 405/L: Control Systems & Lab <sup>4</sup>	4	UND	
EE 409: Distributed Networks <sup>4</sup>	3	UND	
EE421/L: Electronics II & Lab	4	UND	
EE 452/L: Embedded Systems & Lab <sup>4</sup>	4	UND	
CO 215: Public Speaking <sup>2</sup>	3	HU	

<b>FOURTH YEAR FALL</b>	Credits	Taken	UND Course
MA 411: Abstract Algebra	4	HU	Non-EE Elective
MA 481: Senior Seminar	1	HU	
EE 480: Senior Design I	3	UND	
ENGR 460: Engineering Economy	3	UND	
Approved Electrical Engineering Elective	3	UND	
Approved Electrical Engineering Elective	3	UND	

<b>FOURTH YEAR SPRING</b>	Credits	Taken	UND Course
Approved BT 3XX: Upper-level Bible Course	3	HU	
Approved Studio Arts	1	HU	
MA 471: Advanced Probability & Stats <sup>4</sup>	4	HU	EE 318
EE 481: Senior Design II	3	UND	
Approved Electrical Engineering Elective	3	UND	
Approved Electrical Engineering Elective	3	UND	

NOTES	<sup>1</sup> Course should be taken as a J-Term Course from Huntington College.
	<sup>2</sup> Course should be taken as a Summer Term Course from Huntington College.
	<sup>3</sup> PHYS 251CL and PHYS 252CL are offered remotely during the summer semester from UND.
	<sup>4</sup> Due to MA 471 being offered every other spring, sequencing may require course to be taken in Junior Spring. To balance the workload, either 401/L, 405/L, 409, or 452/L may be moved to Senior Spring.