

Huntington University

4-Year Guide to Typical Programs, 2023-2027

Electrical Engineering (B.S. Degree)

Mathematics (B.S. Degree)

Advisors: Dr. Hoffman & Prof. Garwood

Note that this is a "Typical Program." Actual programs will vary. See the Academic Catalog for official details.

Fall 2023			Spring 2024			Summer 2024		
<u>CH 161/L:</u>	<u>Principles of Chemistry I</u>	4	<u>MA 172:</u>	<u>Calculus II</u>	4	MI 285:	Understand the Christian Faith	3
<u>MA 165:</u>	<u>Intro to Discrete Mathematics</u>	3	<u>EE 101:</u>	<u>Intro to Electrical Engineering</u>	1	PY 111:	Intro to Psychology	3
<u>MA 171:</u>	<u>Calculus I</u>	4	<u>EE 201/L:</u>	<u>Intro to Digital Electronics & Lab</u>	4			
EN 121:	Academic Writing & Research	3	BT ____:	Introductory Bible	3			
HS 115:	Hist Persp on Cult & Civ I	3	EN 151:	Perspectives on Literature	3			
SS 111:	First-Year Seminar	1	HS 116:	Hist Persp on Cult & Civ II	3			
	total	18		total	18		total	6
Fall 2024			Spring 2025			Summer 2025		
<u>MA 205:</u>	<u>Intro to Mathematical Proofs</u>	3	* <u>MA 210:</u>	<u>History of Mathematics</u>	1	<u>PHYS251CL:</u>	<u>University Physics I (Lab)</u>	1
<u>MA 273:</u>	<u>Calculus III</u>	4	* <u>MA 311:</u>	<u>Linear Algebra</u>	3	<u>PHYS252CL:</u>	<u>University Physics II (Lab)</u>	1
<u>EE 206/L:</u>	<u>Circuit Analysis & Lab</u>	4	* <u>MA 371:</u>	<u>Differential Equations²</u>	3	EX 101:	Wellness for Life	2
<u>EE 304:</u>	<u>Computer Aided Measure/Control</u>	3	<u>EE 313/L:</u>	<u>Linear Electric Circuits & Lab</u>	4			
<u>PHYS251C:</u>	<u>University Physics I (Lecture)</u>	3	<u>PHYS252C:</u>	<u>University Physics II (Lecture)</u>	3			
	total	17	* PL 260:	Introduction to Ethics	3			
				total	17		total	4
Fall 2025			Spring 2026			Summer 2026		
* <u>MA 411:</u>	<u>Abstract Algebra</u>	4	<u>EE 401/L:</u>	<u>Electric Drives & Lab</u>	4	CO 215:	Public Speaking	3
<u>EE 314/L:</u>	<u>Signals and Systems & Lab</u>	4	<u>EE 405/L:</u>	<u>Control Systems I & Lab</u>	4	115:	Intro to AR/DM/MU/TH	2
<u>EE 316:</u>	<u>Electric & Magnetic Fields</u>	3	<u>EE 409:</u>	<u>Distributed Network</u>	3			
<u>EE 321/L:</u>	<u>Electronics I & Lab</u>	4	<u>EE 421/L:</u>	<u>Electronics II & Lab</u>	4			
EB 211:	Principles of Macroeconomics	3	<u>EE 452/L:</u>	<u>Embedded Systems & Lab</u>	4			
	total	18		total	19		total	5
Fall 2026			Spring 2027			Summer 2027		
* <u>MA 431:</u>	<u>Real Analysis</u>	4	* <u>MA 471:</u>	<u>Probability & Math Statistics</u>	4			
<u>ENGR460:</u>	<u>Engineering Economy</u>	3	<u>EE 481:</u>	<u>Senior Design II</u>	3			
<u>EE 480:</u>	<u>Senior Design I</u>	3	<u>EE ____:</u>	<u>Electrical Engineering Elective</u>	3			
<u>EE ____:</u>	<u>Electrical Engineering Elective</u>	3	<u>EE ____:</u>	<u>Electrical Engineering Elective</u>	3			
<u>EE ____:</u>	<u>Electrical Engineering Elective</u>	3	BT ____:	Bible Elective [300+ level]	3			
				Creative Studio Arts	1			
	total	16		total	16		total	

NOTES:

1. Students who take mathematics or computer science courses must demonstrate satisfactory mathematics placement scores prior to enrolling in their intended mathematics or computer science courses (see *mathematics placement policy in Catalog under Academic Information*).
2. This course is offered spring even years and is listed out of the usual sequence. The department will provide an alternate plan to ensure that the course requirement is met.

*Indicates alternating year course.

Italics indicates University of North Dakota courses.

Underlining indicates required for major.