

Huntington University

4-Year Guide to Typical Programs, 2023-2027

Electrical Engineering (B.S. Degree)

Mathematical Modeling (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	CO 215:	Public Speaking	3
<u>MA 171:</u>	<u>Calculus I</u>	4	<u>EE 101:</u>	<u>Intro to Electrical Engineering</u>	1	PY 111:	Intro to Psychology	3
EN 121:	Academic Writing & Research	3	<u>EE 201/L:</u>	<u>Intro to Digital Electronics & Lab</u>	4			
EX 101:	Wellness for Life	2	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	17		total	18			total
								6
Fall 2024			Spring 2025			Summer 2025		
<u>MA 273:</u>	<u>Calculus III</u>	4	* <u>MA 311:</u>	<u>Linear Algebra</u>	3	<u>PHYS251CL:</u>	<u>University Physics I (Lab)</u>	1
<u>EE 206/L:</u>	<u>Circuit Analysis & Lab</u>	4	* <u>MA 371:</u>	<u>Differential Equations²</u>	3	<u>PHYS252CL:</u>	<u>University Physics II (Lab)</u>	1
<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			
MI 285:	Understand the Christian Faith	3	* PL 260:	Introduction to Ethics	3			
	total	17		total	16			total
								2
Fall 2025			Spring 2026			Summer 2026		
<u>EE 314/L:</u>	<u>Signals and Systems & Lab</u>	4	<u>EE 401/L:</u>	<u>Electric Drives & Lab</u>	4			
<u>EE 316:</u>	<u>Electric & Magnetic Fields</u>	3	<u>EE 405/L:</u>	<u>Control Systems I & Lab</u>	4			
<u>EE 321/L:</u>	<u>Electronics I & Lab</u>	4	<u>EE 409:</u>	<u>Distributed Network</u>	3			
	<u>Non-EE Elective³</u>	3	<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	17		total	19			total
Fall 2026			Spring 2027			Summer 2027		
<u>ENGR460:</u>	<u>Engineering Economy</u>	3	* <u>MA 471:</u>	<u>Probability & Math Statistics</u>	4			
<u>EE 480:</u>	<u>Senior Design I</u>	3	<u>EE 481:</u>	<u>Senior Design II</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			
	<u>Non-EE Elective³</u>	3	BT ____:	Bible Elective [300+ level]	3			
115:	Intro to AR/DM/MU/TH	2		Creative Studio Arts	1			
	total	17		total	17			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.
3. Six hours of non-EE electives must be completed from the following departments: computer science, engineering (including EE), mathematics, or physics. Electives are normally 300-level or higher courses and may be taken at Huntington or UND. Electives must be approved by UND.

*Indicates alternating year course.

Italics indicates University of North Dakota courses.

Underlining indicates required for major.