

Huntington University

5-Year Guide to Typical Programs, 2023-2028

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 171:</u> <u>Calculus I</u> 4 BT ____: <u>Introductory Bible</u> 3 EN 121: <u>Academic Writing & Research</u> 3 SS 111: <u>First-Year Seminar</u> 1 total 15	<u>MA 172:</u> <u>Calculus II</u> 4 <u>EE 101:</u> <u>Intro to Electrical Engineering</u> 1 <u>EE 201/L:</u> <u>Intro to Digital Electronics & Lab</u> 4 EN 151: <u>Perspectives on Literature</u> 3 PY 111: <u>Intro to Psychology</u> 3 115: <u>Intro to AR/DM/MU/TH</u> 2 total 17	total
Fall 2024	Spring 2025	Summer 2025
<u>MA 273:</u> <u>Calculus III</u> 4 <u>EE 206/L:</u> <u>Circuit Analysis & Lab</u> 4 <u>EE 304:</u> <u>Computer Aided Measure/Control</u> 3 <u>PHYS251C:</u> <u>University Physics I (Lecture)</u> 3 total 14	* <u>MA 311:</u> <u>Linear Algebra</u> 3 <u>EE 313/L:</u> <u>Linear Electric Circuits & Lab</u> 4 <u>PHYS252C:</u> <u>University Physics II (Lecture)</u> 3 EX 101: <u>Wellness for Life</u> 2 * <u>PL 260:</u> <u>Introduction to Ethics</u> 3 total 15	<u>PHYS251CL:</u> <u>University Physics I (Lab)</u> 1 <u>PHYS252CL:</u> <u>University Physics II (Lab)</u> 1 total 2
Fall 2025	Spring 2026	Summer 2026
<u>EE 314/L:</u> <u>Signals and Systems & Lab</u> 4 <u>ENGR460:</u> <u>Engineering Economy</u> 3 HS 115: <u>Hist Persp on Cult & Civ I</u> 3 CO 215: <u>Public Speaking</u> 3 MI 285: <u>Understand the Christian Faith</u> 3 total 16	* <u>MA 371:</u> <u>Differential Equations</u> 3 <u>EE 401/L:</u> <u>Electric Drives & Lab</u> 4 <u>EE 405/L:</u> <u>Control Systems I & Lab</u> 4 HS 116: <u>Hist Persp on Cult & Civ II</u> 3 <u>Creative Studio Arts</u> 1 total 15	total
Fall 2026	Spring 2027	Summer 2027
<u>EE 316:</u> <u>Electric & Magnetic Fields</u> 3 <u>EE 321/L:</u> <u>Electronics I & Lab</u> 4 <u>Non-EE Elective</u> ³ 3 EB 211: <u>Principles of Macroeconomics</u> 3 total 13	* <u>MA 471:</u> <u>Probability & Math Statistics</u> 4 <u>EE 409:</u> <u>Distributed Network</u> 3 <u>EE 421/L:</u> <u>Electronics II & Lab</u> 4 <u>EE 452/L:</u> <u>Embedded Systems & Lab</u> 4 total 15	total
Fall 2027	Spring 2028	Summer 2028
<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>Non-EE Elective</u> ³ 3 total 12	<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 BT ____: <u>Bible Elective [300+ level]</u> 3 total 12	

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. 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.