

# Huntington University

## 5-Year Guide to Typical Programs, 2022-2027

# 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 2022	Spring 2023	Summer 2023
<u>CH 161/L:</u> Principles of Chemistry I 4 <u>MA 165:</u> Intro to Discrete Mathematics 3 <u>MA 171:</u> Calculus I 4 EN 121: Academic Writing & Research 3 115: Intro to AR/DM/MU/TH 2 <b>total 16</b>	<u>MA 172:</u> Calculus II 4 <u>EE 101:</u> Intro to Electrical Engineering 1 <u>EE 201/L:</u> Intro to Digital Electronics & Lab 3 BT ____: Introductory Bible 3 * PL 260: Introduction to Ethics 3 <b>total 14</b>	<b>total</b>
Fall 2023	Spring 2024	Summer 2024
<u>MA 273:</u> Calculus III 4 <u>EE 206/L:</u> Circuit Analysis & Lab 4 <u>EE 304:</u> Computer Aided Measure/Control 3 <u>PHYS251C:</u> University Physics I (Lecture) 3 <b>total 14</b>	* <u>MA 371:</u> Differential Equations 3 <u>EE 313/L:</u> Linear Electric Circuits & Lab 4 <u>PHYS252C:</u> University Physics II (Lecture) 3 CO 215: Public Speaking 3 PY 111: Intro to Psychology 3 <b>total 16</b>	<u>PHYS251CL:</u> University Physics I (Lab) 1 <u>PHYS252CL:</u> University Physics II (Lab) 1 <b>total 2</b>
Fall 2024	Spring 2025	Summer 2025
<u>MA 205:</u> Intro to Mathematical Proofs 3 <u>EE 314/L:</u> Signals and Systems & Lab 4 <u>ENGR460:</u> Engineering Economy 3 HS 115: Hist Persp on Cult & Civ I 3 MI 285: Understand the Christian Faith 3 <b>total 16</b>	* <u>MA 210:</u> History of Mathematics 1 * <u>MA 311:</u> Linear Algebra 3 <u>EE 401/L:</u> Electric Drives & Lab 4 <u>EE 405/L:</u> Control Systems I & Lab 4 HS 116: Hist Persp on Cult & Civ II 3 <b>total 15</b>	<b>total</b>
Fall 2025	Spring 2026	Summer 2026
* <u>MA 411:</u> Abstract Algebra 4 <u>EE 316:</u> Electric & Magnetic Fields 3 <u>EE 321/L:</u> Electronics I & Lab 4 EB 211: Principles of Macroeconomics 3 Creative Studio Arts 1 <b>total 15</b>	<u>EE 409:</u> Distributed Network 3 <u>EE 421/L:</u> Electronics II & Lab 4 <u>EE 452/L:</u> Embedded Systems & Lab 4 EN 151: Perspectives on Literature 3 EX 101: Wellness for Life 2 <b>total 16</b>	<b>total</b>
Fall 2026	Spring 2027	Summer 2027
* <u>MA 431:</u> Real Analysis 4 <u>MA 481:</u> Seminar in Mathematics 1 <u>EE 480:</u> Senior Design I 3 <u>EE ____:</u> Electrical Engineering Elective 3 <u>EE ____:</u> Electrical Engineering Elective 3 <b>total 14</b>	* <u>MA 471:</u> Probability & Math Statistics 4 <u>EE 481:</u> Senior Design II 3 <u>EE ____:</u> Electrical Engineering Elective 3 <u>EE ____:</u> Electrical Engineering Elective 3 BT ____: Bible Elective [300+ level] 3 <b>total 16</b>	

### NOTES:

- 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).

\*Indicates alternating year course.

*Italics* indicates University of North Dakota courses.

Underlining indicates required for major.