

Huntington University

Guide to Typical Programs, 2023-2027

Mathematical Modeling (B.S. Degree)

Advisors: Drs. Drury & Hoffman

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>MA 171:</u> <u>Calculus I</u> 4 BT ____: Introductory Bible 3 EN 121: Academic Writing & Research 3 EX 101: Wellness for Life 2 HS 115: Hist Persp on Cult & Civ I 3 SS 111: First-Year Seminar 1 <p style="text-align: right;">total 16</p>	<u>CS 111:</u> <u>Intro to Computer Science</u> ² 3 <u>MA 172:</u> <u>Calculus II</u> 4 EN 151: Perspectives on Literature 3 HS 116: Hist Persp on Cult & Civ II 3 115: Intro to AR/DM/MU/TH 2 <p style="text-align: right;">total 15</p>	total
Fall 2024	Spring 2025	Summer 2025
<u>CH 161:</u> <u>Principles of Chemistry I</u> 4 <u>MA 273:</u> <u>Calculus III</u> 4 MI 285: Understand the Christian Faith 3 Elective 3 <p style="text-align: right;">total 14</p>	* <u>MA 311:</u> <u>Linear Algebra</u> 3 CO 215: Public Speaking 3 Core Curriculum Social Sci 3 Electives 6 <p style="text-align: right;">total 15</p>	total
Fall 2025	Spring 2026	Summer 2026
<u>PH 211:</u> <u>Principles of Physics I</u> 4 PL____: Intro to Philosophy/Ethics 3 Core Curriculum Social Sci 3 Electives 6 <p style="text-align: right;">total 16</p>	* <u>MA 371:</u> <u>Differential Equations</u> 3 <u>PH 212:</u> <u>Principles of Physics II</u> 4 Creative Studio Arts 1 Electives [300+ level] ⁴ 6 <p style="text-align: right;">total 14</p>	total
Fall 2026	Spring 2027	Summer 2027
<u>Elective in Major</u> ³ 3-4 <u>Electives [300+ level]</u> ⁴ 8 Elective 3 <p style="text-align: right;">total 14-15</p>	<u>MA 461:</u> <u>Mathematical Modeling</u> 3 * <u>MA 471:</u> <u>Probability & Math Statistics</u> 4 BT____: Bible Elective [300+ level] 3 <u>Electives [300+ level]</u> ⁴ 6 <p style="text-align: right;">total 16</p>	total

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*).
- CS 216 may be taken in place of CS 111.
- One course must be taken from BA 421, CH 361/L, CS 325, EB 346, MA 150, or MA 450.
- Majors must be careful in selection of electives so that a sufficient number of upper division courses are taken. A minimum of 36 hours of 300+ courses is required for graduation.

*Indicates alternating year course.

Underlining indicates required for major.