

Huntington University

Guide to Typical Programs, 2019-2023

Mathematics (B.S. Degree)

Advisor: Prof. Hoffman

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

| Fall 2019 | J-Term 2020 | Spring 2020 | Summer 2020 |
|--|---|--|--------------|
| <u>MA 165:</u> <u>Intro to Discrete Mathematics</u> 3 <u>MA 171:</u> <u>Calculus I</u> 4 HS 115: Hist Persp on Cult & Civ I 3 EN 121: Academic Writing & Research 3 BR 111: Biblical History and Literature 3 total 16 | Required J-Term 2 total 2 | <u>CS 111:</u> <u>Intro to Computer Science</u> ³ 4 <u>MA 172:</u> <u>Calculus II</u> 4 HS 116: Hist Persp on Cult & Civ II 3 EN 151: Perspectives on Literature 3 EX 101: Wellness for Life 2 total 16 | total |
| Fall 2020 | J-Term 2021 | Spring 2021 | Summer 2021 |
| <u>CH 161:</u> <u>Principles of Chemistry I</u> ² 4 <u>MA 205:</u> <u>Intro to Mathematical Proofs</u> 3 <u>MA 273:</u> <u>Calculus III</u> 4 Elective 4 total 15 | Required J-Term 2 total 2 | * <u>MA 311:</u> <u>Linear Algebra</u> 3 CO 215: Public Speaking 3 MI 285: Understand the Christian Faith 3 Core Curriculum Social Sci 3 Elective [300+ level] ⁶ 3 total 15 | total |
| Fall 2021 | J-Term 2022 | Spring 2022 | Summer 2022 |
| * <u>MA 411:</u> <u>Abstract Algebra</u> 4 PL____: Intro to Philosophy/Ethics 3 Creative Studio Arts 1 Electives 7 total 15 | <u>MA210: History of Mathematics</u> ⁴ 2 total 2 | * <u>MA 371:</u> <u>Differential Equations</u> 3 <u>MA ____:</u> <u>Mathematics Elective</u> [300+ level] ⁴ 3 Laboratory Science 4 Elective 4 total 14 | total |
| Fall 2022 | J-Term 2023 | Spring 2023 | Summer 2023 |
| * <u>MA 431:</u> <u>Real Analysis</u> 4 <u>MA 481:</u> <u>Seminar in Mathematics</u> 1 115: Intro to AR/DM/MU/TH 2 Core Curriculum Social Sci 3 Electives [300+ level] ⁵ 5 total 15 | total | * <u>MA 471:</u> <u>Probability & Math Statistics</u> 4 <u>MA ____:</u> <u>Mathematics Elective</u> [300+ level] ⁴ 3 BR____: Bible Elective [300+ level] 3 Electives 6 total 16 | 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*).
- BI 161/L or PH 211/L may be taken in place of CH 161/L.
- CS 216 may be taken in place of CS 111.
- Eight hours must be taken from MA 210, 321, 351, 450, 461, or CS 325.
- 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.