

# Huntington University

## Guide to Typical Programs, 2017-2021

# Mathematics Education (B.S. Degree)

## Advisor: Dr. Rice

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

| Fall 2017   | J-Term 2018   | Spring 2018  | Summer 2018  |
|---|---|--|--------------|
| MA 165: <u>Intro to Discrete Mathematics</u> 3<br>MA 171: <u>Calculus I</u> 4<br>PY 111: <u>Introduction to Psychology</u> 3<br>HS 115: <u>Hist Persp on Cult &amp; Civ I</u> 3<br>EN 121: <u>Academic Writing &amp; Research</u> 3<br><b>total 16</b>  | MA210: <u>History of Mathematics</u> 2<br><b>total 2</b>                          | CS 111: <u>Intro to Computer Science<sup>2</sup></u> 4<br>MA 172: <u>Calculus II</u> 4<br>HS 116: <u>Hist Persp on Cult &amp; Civ II</u> 3<br>EN 151: <u>Perspectives on Literature</u> 3<br>EX 101: <u>Wellness for Life</u> 2<br><b>total 16</b>   | <b>total</b> |
| Fall 2018   | J-Term 2019   | Spring 2019  | Summer 2019  |
| ED 212: <u>Introduction to Education</u> 2<br>ED 236: <u>Education Psychology</u> 3<br>MA 205: <u>Intro to Mathematical Proofs</u> 3<br>MA 273: <u>Calculus III</u> 4<br>BR 111: <u>Biblical History and Literature</u> 3<br><b>total 15</b>  | Required J-Term 2<br><b>total 2</b>   | ED 296: <u>Soph Practicum for MS &amp; HS</u> 1<br>* MA 311: <u>Linear Algebra</u> 3<br>* MA 471: <u>Probability &amp; Math Statistics</u> 4<br>SE 234: <u>Educ of the Except Adolescent</u> 2<br>CO 215: <u>Public Speaking</u> 3<br>MI 285: <u>Understand the Christian Faith</u> 3<br><b>total 16</b> | <b>total</b> |
| Fall 2019   | J-Term 2020   | Spring 2020  | Summer 2020  |
| ED 311: <u>Early Adol Curric &amp; Method</u> 3<br>ED 364: <u>Assess Strat for Secondary Ed</u> 2<br>* MA 411: <u>Abstract Algebra</u> 4<br>PL____: <u>Intro to Philosophy/Ethics</u> 3<br><u>Laboratory Science</u> 4<br><b>total 16</b>   | ED395: <u>Multicultural Practicum in Teaching<sup>3</sup></u> 3<br><b>total 3</b> | ED 320: <u>Adolescent Curric &amp; Method</u> 3<br>* MA 351: <u>Geometry</u> 3<br>* MA 321: <u>Number Theory</u> 3<br>115: <u>Intro to AR/DM/MU/TH</u> 2<br><u>Laboratory Science</u> 4<br><b>total 15</b>   | <b>total</b> |
| Fall 2020   | J-Term 2021   | Spring 2021  | Summer 2021  |
| ED410 <sub>MAT</sub> : <u>Math Curriculum and Method</u> 2<br>* MA 431: <u>Real Analysis<sup>4</sup></u> 4<br>MA 481: <u>Seminar in Mathematics</u> 1<br>BR____: <u>Bible Elective [300+ level]</u> 3<br><u>Core Curriculum Social Sci</u> 3<br><u>Creative Studio Arts</u> 1<br><u>Elective</u> 1<br><b>total 15</b> | <b>total</b>  | ED 440: <u>Topics &amp; Problems in Educ</u> 2<br>ED 460: <u>Student Teach in Secondary</u> 10<br><b>total 12</b>  | <b>total</b> |

### 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. CS 216 may be taken in place of CS 111.
3. ED 395 should be scheduled during January Term of the junior year.
4. Students must take one course from: MA 371, 431, 450, or 461.
5. Mathematics Education majors are strongly encouraged to audit or take MA 111 and MA 112 as electives.

\*Indicates alternating year course.

Underlining indicates required for major.