

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

MATHEMATICS EDUCATION B.S. DEGREE**Advisor: Dr. Dobbs**

| Fall 2015 | | | Spring 2016 | | |
|-------------------------------|--|-----------------|--------------------|---|-----------------|
| <u>MA 165:</u> | <u>Intro to Discrete Mathematics²</u> | 3 | <u>MA 172:</u> | <u>Analytic Geometry & Calculus II</u> | 4 |
| <u>MA 171:</u> | <u>Analytic Geometry & Calculus I</u> | 4 | HS 116: | Hist Persp on Cult & Civ II | 3 |
| <u>PY 111:</u> | <u>Introduction to Psychology</u> | 3 | EN 151: | Perspectives on Literature | 3 |
| HS 115: | Hist Persp on Cult & Civ I | 3 | BR 111: | Biblical History and Literature | 3 |
| EN 121: | Academic Writing and Research | 3 | EX 101: | Wellness for Life | 2 |
| | | total 16 | | | total 15 |
| Fall 2016 | | | Spring 2017 | | |
| <u>ED 212:</u> | <u>Introduction to Education</u> | 2 | <u>ED 296:</u> | <u>Soph. Practicum for MS and HS</u> | 1 |
| <u>ED 236:</u> | <u>Education Psychology⁵</u> | 3 | <u>ED 320:</u> | <u>Adolescent Curric and Method⁴</u> | 3 |
| <u>MA 205:</u> | <u>Intro to Mathematical Proofs</u> | 1 | * <u>MA 311:</u> | <u>Elements of Linear Algebra</u> | 4 |
| <u>MA 273:</u> | <u>Analytic Geometry & Calculus III</u> | 4 | <u>SE 234:</u> | <u>Educ of the Except Adolescent</u> | 2 |
| | Creative Studio Arts | 1 | MI 285: | Core Curriculum Christian Faith | 3 |
| | Laboratory Science | 4 | | Core Curriculum Social Science | 3 |
| | | total 15 | | | total 16 |
| Fall 2017 | | | Spring 2018 | | |
| <u>CS 111:</u> | <u>Introduction to Computer Science</u> | 4 | * <u>MA 351:</u> | <u>Geometry</u> | 4 |
| <u>ED 311:</u> | <u>Early Adol Curric & Method</u> | 3 | * <u>MA 371:</u> | <u>Differential Equations</u> | 4 |
| <u>ED 364:</u> | <u>Assess Strat for Secondary Ed</u> | 2 | CO 215: | Public Speaking | 3 |
| * <u>ED410_{MAT}:</u> | <u>Math Curriculum and Method</u> | 2 | 115: | Introduction to AR/DM/MU/TH | 2 |
| * <u>MA 411:</u> | <u>Abstract Algebra</u> | 4 | | Laboratory Science | 4 |
| | | total 15 | | | total 17 |
| Fall 2018 | | | Spring 2019 | | |
| * <u>MA 431:</u> | <u>Introduction to Real Analysis</u> | 4 | <u>ED 440:</u> | <u>Topics & Problems in Education</u> | 2 |
| * <u>MA 471:</u> | <u>Mathematical Statistics</u> | 4 | <u>ED 460:</u> | <u>Student Teaching in Secondary</u> | 10 |
| <u>MA 481:</u> | <u>Seminar in Math Sciences</u> | 1 | | | |
| BR____: | Bible Elective [300+ level] | 3 | | | |
| PL____: | Introduction to Philosophy/Ethics | 3 | | | |
| | | total 15 | | | 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. MA 165 can be taken in the fall semester of the sophomore year.
3. ED 395 Multicultural Practicum in Teaching should be scheduled during January Term of the junior or senior year.
4. Students are expected to complete ED 236 before enrolling in ED 320 unless they must enroll concurrently to prepare for ED 410 in the next fall semester.
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.