

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

**MATHEMATICS B.S. DEGREE**  
**Theoretical Track**

**Advisor: Dr. Dobbs**

| <b>Fall 2015</b>  |  | <b>Spring 2016</b> |                   |  |           |
|-------------------|--|--------------------|-------------------|--|-----------|
| <u>MA 165</u> :   | <u>Intro to Discrete Mathematics<sup>2</sup></u> | 3                  | <u>MA 172</u> :   | <u>Analytic Geometry &amp; Calculus II</u> | 4         |
| <u>MA 171</u> :   | <u>Analytic Geometry &amp; Calculus I</u>        | 4                  | HS 116:           | Hist Persp on Cult & Civ II                | 3         |
| HS 115:           | Hist Persp on Cult & Civ I                       | 3                  | EN 151:           | Perspectives on Literature                 | 3         |
| EN 121:           | Academic Writing and Research                    | 3                  | BR 111:           | Biblical History and Literature            | 3         |
| EX 101:           | Wellness for Life                                | 2                  |                   | Core Curriculum Social Science             | 3         |
|                   | <b>total</b>                                     | <b>15</b>          |                   | <b>total</b>                               | <b>16</b> |
| <b>Fall 2016</b>  |  | <b>Spring 2017</b> |                   |  |           |
| CS 111:           | <u>Introduction to Computer Science</u>          | 4                  | * <u>MA 311</u> : | <u>Elements of Linear Algebra</u>          | 4         |
| <u>MA 205</u> :   | <u>Intro to Mathematical Proofs</u>              | 1                  | MI 285:           | Core Curriculum Christian Faith            | 3         |
| <u>MA 273</u> :   | <u>Analytic Geometry &amp; Calculus III</u>      | 4                  | PL____:           | Introduction to Philosophy/Ethics          | 3         |
| CO 215:           | Public Speaking                                  | 3                  | 115:              | Introduction to AR/DM/MU/TH                | 2         |
|                   | Core Curriculum Social Science                   | 3                  |                   | Elective                                   | 3         |
|                   | <b>total</b>                                     | <b>15</b>          |                   | <b>total</b>                               | <b>15</b> |
| <b>Fall 2017</b>  |  | <b>Spring 2018</b> |                   |  |           |
| * <u>MA 411</u> : | <u>Abstract Algebra</u>                          | 4                  | * <u>MA 351</u> : | <u>Geometry</u>                            | 4         |
| <u>PH 211</u> :   | <u>Principles of Physics I</u>                   | 4                  | * <u>MA 371</u> : | <u>Differential Equations</u>              | 4         |
|                   | Electives  | 7                  | <u>PH 212</u> :   | <u>Principles of Physics II</u>            | 4         |
|                   |  |                    |                   | Creative Studio Arts                       | 1         |
|                   |  |                    |                   | Elective                                   | 3         |
|                   | <b>total</b>                                     | <b>15</b>          |                   | <b>total</b>                               | <b>16</b> |
| <b>Fall 2018</b>  |  | <b>Spring 2019</b> |                   |  |           |
| * <u>MA 431</u> : | <u>Introduction to Real Analysis</u>             | 4                  | <u>MA 490</u> :   | <u>Independent Study</u>                   | 8         |
| * <u>MA 471</u> : | <u>Math Statistics</u>                           | 4                  | BR____:           | Bible Elective [300+ level]                | 3         |
| <u>MA 481</u> :   | <u>Seminar in Math Sciences</u>                  | 1                  |                   | Electives                                  | 4         |
|                   | Electives  | 6                  |                   |  |           |
|                   | <b>total</b>                                     | <b>15</b>          |                   | <b>total</b>                               | <b>15</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. MA 165 may be taken in the fall semester of the sophomore year.

\*Indicates alternating year course.

Underlining indicates required for major.