

# Sample 4-Year Schedule for Mathematics – Secondary Education Major

## Bachelor of Science

### 136 Hours

For students entering in an ODD Year:

| <b>Freshman</b>                        |           |   |           |
|--|-----------|---|-----------|
| <b>Fall Semester</b>                   |           | <b>Spring Semester</b>                  |           |
| MA 151 – Calculus I                    | 5         | MA 152 – Calculus II                    | 5         |
| WU 101 – Washburn Experience           | 3         | EN 101 – Freshman Composition           | 3         |
| PH 220 – Logic                         | 3         | ED 225 – Becoming an Ed. Professional   | 3         |
| ED 150 - EPIC                          | 1         | Soc. Sci. General Education             | 3         |
| ED 200 – Educational Psychology        | 3         | MA 140 – Statistics                     | 3         |
| <b>TOTAL</b>                           | <b>15</b> | <b>TOTAL</b>                            | <b>17</b> |
| <b>Sophomore</b>                       |           |   |           |
| <b>Fall Semester</b>                   |           | <b>Spring Semester</b>                  |           |
| MA 253 – Calculus III                  | 3         | MA 207 – Discrete Mathematics           | 3         |
| *ED 302 – Exceptional Learners         | 3         | MA 301 – Linear Algebra                 | 3         |
| Humanities General Education           | 3         | MA 367 – Modern Geometry                | 3         |
| Soc. Sci. General Education            | 3         | *ED 300 – Integrating Technology        | 3         |
| Natural Science General                |           | Natural Science Minor                   | 3         |
| Education/Minor                        | 3         | Natural Science Minor                   | 3         |
| Natural Science Minor                  | 3         |   |           |
| <b>TOTAL</b>                           | <b>18</b> | <b>TOTAL</b>                            | <b>18</b> |
| <b>Junior</b>                          |           |   |           |
| <b>Fall Semester</b>                   |           | <b>Spring Semester</b>                  |           |
| MA 354 – Abstract Algebra              | 3         | MA 343 – Applied Statistics             | 3         |
| *ED 363 - Methods                      | 3         | MA 381 – History of Mathematics         | 3         |
| *ED 385 – Foundations of Education     | 3         | *RD 484 – Reading in the Content Area   | 3         |
| *EN 300 – Advanced Composition         | 3         | Natural Science General Education/Minor | 3         |
| AR/MU/TH General Education             | 3         | Soc. Sci. General Education             | 3         |
| Natural Science General                |           | Natural Science Minor                   | 3         |
| Education/Minor                        | 3         | MA 380 Problem Solving Strategies       | 1         |
| MA 380 Problem Solving Strategies      | 1         |   |           |
| <b>TOTAL</b>                           | <b>19</b> | <b>TOTAL</b>                            | <b>19</b> |
| <b>Senior</b>                          |           |   |           |
| <b>Fall Semester</b>                   |           | <b>Spring Semester</b>                  |           |
| MA 371 – Real Analysis I               | 3         | *ED 400 – Understanding the Schools     | 2         |
| MA 388 – Capstone Research             | 1         | *ED 405 – Classroom Management          | 1         |
| *ED 402 – Teaching Struggling Learners | 2         | *ED 410 – Student Teaching              | 12        |
| Natural Science Minor                  | 3         |   |           |
| Natural Science Minor                  | 3         |   |           |
| Natural Science Minor                  | 3         |   |           |
| <b>TOTAL</b>                           | <b>15</b> | <b>TOTAL</b>                            | <b>15</b> |

\*Formal admission to the Professional Education Program required.

# Sample 4-Year Schedule for Mathematics – Secondary Education Major

## Bachelor of Science

### 136 Hours

For students entering in an EVEN Year:

| <b>Freshman</b>                            |           |   |           |
|--|-----------|---|-----------|
| <b>Fall Semester</b>                       |           | <b>Spring Semester</b>                    |           |
| MA 151 – Calculus I                        | 5         | MA 152 – Calculus II                      | 5         |
| WU 101 – Washburn Experience               | 3         | EN 101 – Freshman Composition             | 3         |
| PH 220 – Logic                             | 3         | ED 225 Becoming an Education Professional | 3         |
| ED 150 - EPIC                              | 1         | MA 140 – Statistics                       | 3         |
| ED 200 – Educational Psychology            | 3         | Soc. Sci. General Education               | 3         |
| <b>TOTAL</b>                               | <b>15</b> | <b>TOTAL</b>                              | <b>17</b> |
| <b>Sophomore</b>                           |           |   |           |
| <b>Fall Semester</b>                       |           | <b>Spring Semester</b>                    |           |
| MA 253 – Calculus III                      | 3         | MA 207 – Discrete Mathematics             | 3         |
| *ED 302 – Exceptional Learners             | 3         | MA 301 – Linear Algebra                   | 3         |
| Natural Science General Education/Minor    | 3         | MA 381 – History of Mathematics           | 3         |
| Soc. Sci. General Education                | 3         | *ED 300 – Integrating Technology          | 3         |
| Natural Science Minor                      | 3         | Soc. Sci. General Education               | 3         |
| Natural Science Minor                      | 3         | Humanities General Education              | 3         |
| <b>TOTAL</b>                               | <b>18</b> | <b>TOTAL</b>                              | <b>18</b> |
| <b>Junior</b>                              |           |   |           |
| <b>Fall Semester</b>                       |           | <b>Spring Semester</b>                    |           |
| MA 371 – Real Analysis                     | 3         | MA 367 – Modern Geometry                  | 3         |
| *ED 363 - Methods                          | 3         | MA 343 – Applied Statistics               | 3         |
| *ED 385 – Foundations of Education         | 3         | *RD 484 – Reading in the Content Area     | 3         |
| EN 300 – Advanced Composition              | 3         | Natural Science Minor                     | 3         |
| AR/MU/TH General Education                 | 3         | Natural Science General Education/Minor   | 3         |
| Natural Science General Education/Minor    | 3         | Natural Science Minor                     | 3         |
| MA 380 Problem Solving Strategies          | 1         | MA 380 Problem Solving Strategies         | 1         |
| <b>TOTAL</b>                               | <b>19</b> | <b>TOTAL</b>                              | <b>19</b> |
| <b>Senior</b>                              |           |   |           |
| <b>Fall Semester</b>                       |           | <b>Spring Semester</b>                    |           |
| MA 354 – Abstract Algebra                  | 3         | *ED 400 – Understanding the Schools       | 2         |
| MA 388 – Capstone Research                 | 1         | *ED 405 – Classroom Management            | 1         |
| *ED 402 – Teaching the Struggling Learners | 2         | *ED 410 – Student Teaching                | 12        |
| Natural Science Minor                      | 3         |   |           |
| Natural Science Minor                      | 3         |   |           |
| Natural Science Minor                      | 3         |   |           |
| <b>TOTAL</b>                               | <b>15</b> | <b>TOTAL</b>                              | <b>15</b> |

\*Formal admission to the Professional Education Program required.