

**MINOR ADVISING FORM FOR MATHEMATICS,  
MATHEMATICS FOR ELEMENTARY TEACHERS, AND SECONDARY TEACHERS**

Catalog year: 2017-2018

Minor: \_\_\_\_\_

Student Name \_\_\_\_\_

| <b>Mathematics</b> (not for teacher certification)  | <b>Mathematics for Secondary Teachers</b>   | <b>Mathematics for Elementary Teachers</b>   |              |              |         |   |       |       |         |   |       |       |                    |   |       |       |                     |     |       |       |   |  |  |  |               |               |             |              |       |       |       |       |       |       |       |       |   |  |  |  |   |               |               |             |              |         |   |       |       |         |   |       |       |         |   |       |       |         |   |       |       |                |   |       |       |         |   |       |       |         |   |       |       |         |   |       |       |  |               |               |             |              |         |   |       |       |         |   |       |       |         |   |       |       |         |   |       |       |         |   |       |       |         |   |       |       |     |  |  |  |  |  |  |  |               |               |             |              |       |       |       |       |
|---|---|--|--------------|--------------|---------|---|-------|-------|---------|---|-------|-------|--------------------|---|-------|-------|---------------------|-----|-------|-------|---|--|--|--|---------------|---------------|-------------|--------------|-------|-------|-------|-------|-------|-------|-------|-------|---|--|--|--|---|---------------|---------------|-------------|--------------|---------|---|-------|-------|---------|---|-------|-------|---------|---|-------|-------|---------|---|-------|-------|----------------|---|-------|-------|---------|---|-------|-------|---------|---|-------|-------|---------|---|-------|-------|--|---------------|---------------|-------------|--------------|---------|---|-------|-------|---------|---|-------|-------|---------|---|-------|-------|---------|---|-------|-------|---------|---|-------|-------|---------|---|-------|-------|-----|--|--|--|--|--|--|--|---------------|---------------|-------------|--------------|-------|-------|-------|-------|
| Minimum GPA of <b>2.0</b> and 20 credits unduplicated in one's major excluding MTH 110, 122, 123, 124, 125, 131, 221, 222, 223, 225, 307, 312, 322, 323, 324, 329, and STA 215.   | Minimum GPA of <b>2.7</b> (as required for teacher certification ) and at least 20 credits unduplicated in one's major excluding MTH 110, 122, 123, 124, 125, 131, 221, 222, 223, 225, 307, 312, and STA 215. | Minimum GPA of <b>2.7</b> (as required for teacher certification) and at least 20 credits unduplicated in one's major excluding MTH 110, 122, 123, 124, 125, 131, 221, 222, 223, 225, 307, 312, and STA 215. |              |              |         |   |       |       |         |   |       |       |                    |   |       |       |                     |     |       |       |   |  |  |  |               |               |             |              |       |       |       |       |       |       |       |       |   |  |  |  |   |               |               |             |              |         |   |       |       |         |   |       |       |         |   |       |       |         |   |       |       |                |   |       |       |         |   |       |       |         |   |       |       |         |   |       |       |  |               |               |             |              |         |   |       |       |         |   |       |       |         |   |       |       |         |   |       |       |         |   |       |       |         |   |       |       |     |  |  |  |  |  |  |  |               |               |             |              |       |       |       |       |
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| MTH 201   | 4   | _____  | _____        |              |         |   |       |       |         |   |       |       |                    |   |       |       |                     |     |       |       |   |  |  |  |               |               |             |              |       |       |       |       |       |       |       |       |   |  |  |  |   |               |               |             |              |         |   |       |       |         |   |       |       |         |   |       |       |         |   |       |       |                |   |       |       |         |   |       |       |         |   |       |       |         |   |       |       |  |               |               |             |              |         |   |       |       |         |   |       |       |         |   |       |       |         |   |       |       |         |   |       |       |         |   |       |       |     |  |  |  |  |  |  |  |               |               |             |              |       |       |       |       |
| MTH 202   | 4   | _____  | _____        |              |         |   |       |       |         |   |       |       |                    |   |       |       |                     |     |       |       |   |  |  |  |               |               |             |              |       |       |       |       |       |       |       |       |   |  |  |  |   |               |               |             |              |         |   |       |       |         |   |       |       |         |   |       |       |         |   |       |       |                |   |       |       |         |   |       |       |         |   |       |       |         |   |       |       |  |               |               |             |              |         |   |       |       |         |   |       |       |         |   |       |       |         |   |       |       |         |   |       |       |         |   |       |       |     |  |  |  |  |  |  |  |               |               |             |              |       |       |       |       |
| MTH 203 or MTH 210  | 4   | _____  | _____        |              |         |   |       |       |         |   |       |       |                    |   |       |       |                     |     |       |       |   |  |  |  |               |               |             |              |       |       |       |       |       |       |       |       |   |  |  |  |   |               |               |             |              |         |   |       |       |         |   |       |       |         |   |       |       |         |   |       |       |                |   |       |       |         |   |       |       |         |   |       |       |         |   |       |       |  |               |               |             |              |         |   |       |       |         |   |       |       |         |   |       |       |         |   |       |       |         |   |       |       |         |   |       |       |     |  |  |  |  |  |  |  |               |               |             |              |       |       |       |       |
| MTH 227 or MTH 302*   | 3/4   | _____  | _____        |              |         |   |       |       |         |   |       |       |                    |   |       |       |                     |     |       |       |   |  |  |  |               |               |             |              |       |       |       |       |       |       |       |       |   |  |  |  |   |               |               |             |              |         |   |       |       |         |   |       |       |         |   |       |       |         |   |       |       |                |   |       |       |         |   |       |       |         |   |       |       |         |   |       |       |  |               |               |             |              |         |   |       |       |         |   |       |       |         |   |       |       |         |   |       |       |         |   |       |       |         |   |       |       |     |  |  |  |  |  |  |  |               |               |             |              |       |       |       |       |
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| MTH 201   | 4   | _____  | _____        |              |         |   |       |       |         |   |       |       |                    |   |       |       |                     |     |       |       |   |  |  |  |               |               |             |              |       |       |       |       |       |       |       |       |   |  |  |  |   |               |               |             |              |         |   |       |       |         |   |       |       |         |   |       |       |         |   |       |       |                |   |       |       |         |   |       |       |         |   |       |       |         |   |       |       |  |               |               |             |              |         |   |       |       |         |   |       |       |         |   |       |       |         |   |       |       |         |   |       |       |         |   |       |       |     |  |  |  |  |  |  |  |               |               |             |              |       |       |       |       |
| MTH 202   | 4   | _____  | _____        |              |         |   |       |       |         |   |       |       |                    |   |       |       |                     |     |       |       |   |  |  |  |               |               |             |              |       |       |       |       |       |       |       |       |   |  |  |  |   |               |               |             |              |         |   |       |       |         |   |       |       |         |   |       |       |         |   |       |       |                |   |       |       |         |   |       |       |         |   |       |       |         |   |       |       |  |               |               |             |              |         |   |       |       |         |   |       |       |         |   |       |       |         |   |       |       |         |   |       |       |         |   |       |       |     |  |  |  |  |  |  |  |               |               |             |              |       |       |       |       |
| MTH 210   | 4   | _____  | _____        |              |         |   |       |       |         |   |       |       |                    |   |       |       |                     |     |       |       |   |  |  |  |               |               |             |              |       |       |       |       |       |       |       |       |   |  |  |  |   |               |               |             |              |         |   |       |       |         |   |       |       |         |   |       |       |         |   |       |       |                |   |       |       |         |   |       |       |         |   |       |       |         |   |       |       |  |               |               |             |              |         |   |       |       |         |   |       |       |         |   |       |       |         |   |       |       |         |   |       |       |         |   |       |       |     |  |  |  |  |  |  |  |               |               |             |              |       |       |       |       |
| MTH 227   | 3   | _____  | _____        |              |         |   |       |       |         |   |       |       |                    |   |       |       |                     |     |       |       |   |  |  |  |               |               |             |              |       |       |       |       |       |       |       |       |   |  |  |  |   |               |               |             |              |         |   |       |       |         |   |       |       |         |   |       |       |         |   |       |       |                |   |       |       |         |   |       |       |         |   |       |       |         |   |       |       |  |               |               |             |              |         |   |       |       |         |   |       |       |         |   |       |       |         |   |       |       |         |   |       |       |         |   |       |       |     |  |  |  |  |  |  |  |               |               |             |              |       |       |       |       |
| MTH 229 or 329  | 3   | _____  | _____        |              |         |   |       |       |         |   |       |       |                    |   |       |       |                     |     |       |       |   |  |  |  |               |               |             |              |       |       |       |       |       |       |       |       |   |  |  |  |   |               |               |             |              |         |   |       |       |         |   |       |       |         |   |       |       |         |   |       |       |                |   |       |       |         |   |       |       |         |   |       |       |         |   |       |       |  |               |               |             |              |         |   |       |       |         |   |       |       |         |   |       |       |         |   |       |       |         |   |       |       |         |   |       |       |     |  |  |  |  |  |  |  |               |               |             |              |       |       |       |       |
| MTH 331   | 3   | _____  | _____        |              |         |   |       |       |         |   |       |       |                    |   |       |       |                     |     |       |       |   |  |  |  |               |               |             |              |       |       |       |       |       |       |       |       |   |  |  |  |   |               |               |             |              |         |   |       |       |         |   |       |       |         |   |       |       |         |   |       |       |                |   |       |       |         |   |       |       |         |   |       |       |         |   |       |       |  |               |               |             |              |         |   |       |       |         |   |       |       |         |   |       |       |         |   |       |       |         |   |       |       |         |   |       |       |     |  |  |  |  |  |  |  |               |               |             |              |       |       |       |       |
| MTH 350   | 3   | _____  | _____        |              |         |   |       |       |         |   |       |       |                    |   |       |       |                     |     |       |       |   |  |  |  |               |               |             |              |       |       |       |       |       |       |       |       |   |  |  |  |   |               |               |             |              |         |   |       |       |         |   |       |       |         |   |       |       |         |   |       |       |                |   |       |       |         |   |       |       |         |   |       |       |         |   |       |       |  |               |               |             |              |         |   |       |       |         |   |       |       |         |   |       |       |         |   |       |       |         |   |       |       |         |   |       |       |     |  |  |  |  |  |  |  |               |               |             |              |       |       |       |       |
| STA 312   | 3   | _____  | _____        |              |         |   |       |       |         |   |       |       |                    |   |       |       |                     |     |       |       |   |  |  |  |               |               |             |              |       |       |       |       |       |       |       |       |   |  |  |  |   |               |               |             |              |         |   |       |       |         |   |       |       |         |   |       |       |         |   |       |       |                |   |       |       |         |   |       |       |         |   |       |       |         |   |       |       |  |               |               |             |              |         |   |       |       |         |   |       |       |         |   |       |       |         |   |       |       |         |   |       |       |         |   |       |       |     |  |  |  |  |  |  |  |               |               |             |              |       |       |       |       |
| <u>Course</u>   | <u>Credit</u>   | <u>Term</u>  | <u>Grade</u> |              |         |   |       |       |         |   |       |       |                    |   |       |       |                     |     |       |       |   |  |  |  |               |               |             |              |       |       |       |       |       |       |       |       |   |  |  |  |   |               |               |             |              |         |   |       |       |         |   |       |       |         |   |       |       |         |   |       |       |                |   |       |       |         |   |       |       |         |   |       |       |         |   |       |       |  |               |               |             |              |         |   |       |       |         |   |       |       |         |   |       |       |         |   |       |       |         |   |       |       |         |   |       |       |     |  |  |  |  |  |  |  |               |               |             |              |       |       |       |       |
| MTH 201   | 4   | _____  | _____        |              |         |   |       |       |         |   |       |       |                    |   |       |       |                     |     |       |       |   |  |  |  |               |               |             |              |       |       |       |       |       |       |       |       |   |  |  |  |   |               |               |             |              |         |   |       |       |         |   |       |       |         |   |       |       |         |   |       |       |                |   |       |       |         |   |       |       |         |   |       |       |         |   |       |       |  |               |               |             |              |         |   |       |       |         |   |       |       |         |   |       |       |         |   |       |       |         |   |       |       |         |   |       |       |     |  |  |  |  |  |  |  |               |               |             |              |       |       |       |       |
| MTH 202   | 4   | _____  | _____        |              |         |   |       |       |         |   |       |       |                    |   |       |       |                     |     |       |       |   |  |  |  |               |               |             |              |       |       |       |       |       |       |       |       |   |  |  |  |   |               |               |             |              |         |   |       |       |         |   |       |       |         |   |       |       |         |   |       |       |                |   |       |       |         |   |       |       |         |   |       |       |         |   |       |       |  |               |               |             |              |         |   |       |       |         |   |       |       |         |   |       |       |         |   |       |       |         |   |       |       |         |   |       |       |     |  |  |  |  |  |  |  |               |               |             |              |       |       |       |       |
| MTH 210   | 4   | _____  | _____        |              |         |   |       |       |         |   |       |       |                    |   |       |       |                     |     |       |       |   |  |  |  |               |               |             |              |       |       |       |       |       |       |       |       |   |  |  |  |   |               |               |             |              |         |   |       |       |         |   |       |       |         |   |       |       |         |   |       |       |                |   |       |       |         |   |       |       |         |   |       |       |         |   |       |       |  |               |               |             |              |         |   |       |       |         |   |       |       |         |   |       |       |         |   |       |       |         |   |       |       |         |   |       |       |     |  |  |  |  |  |  |  |               |               |             |              |       |       |       |       |
| MTH 322   | 3   | _____  | _____        |              |         |   |       |       |         |   |       |       |                    |   |       |       |                     |     |       |       |   |  |  |  |               |               |             |              |       |       |       |       |       |       |       |       |   |  |  |  |   |               |               |             |              |         |   |       |       |         |   |       |       |         |   |       |       |         |   |       |       |                |   |       |       |         |   |       |       |         |   |       |       |         |   |       |       |  |               |               |             |              |         |   |       |       |         |   |       |       |         |   |       |       |         |   |       |       |         |   |       |       |         |   |       |       |     |  |  |  |  |  |  |  |               |               |             |              |       |       |       |       |
| MTH 323   | 3   | _____  | _____        |              |         |   |       |       |         |   |       |       |                    |   |       |       |                     |     |       |       |   |  |  |  |               |               |             |              |       |       |       |       |       |       |       |       |   |  |  |  |   |               |               |             |              |         |   |       |       |         |   |       |       |         |   |       |       |         |   |       |       |                |   |       |       |         |   |       |       |         |   |       |       |         |   |       |       |  |               |               |             |              |         |   |       |       |         |   |       |       |         |   |       |       |         |   |       |       |         |   |       |       |         |   |       |       |     |  |  |  |  |  |  |  |               |               |             |              |       |       |       |       |
| MTH 324   | 3   | _____  | _____        |              |         |   |       |       |         |   |       |       |                    |   |       |       |                     |     |       |       |   |  |  |  |               |               |             |              |       |       |       |       |       |       |       |       |   |  |  |  |   |               |               |             |              |         |   |       |       |         |   |       |       |         |   |       |       |         |   |       |       |                |   |       |       |         |   |       |       |         |   |       |       |         |   |       |       |  |               |               |             |              |         |   |       |       |         |   |       |       |         |   |       |       |         |   |       |       |         |   |       |       |         |   |       |       |     |  |  |  |  |  |  |  |               |               |             |              |       |       |       |       |
| AND   |   |  |              |              |         |   |       |       |         |   |       |       |                    |   |       |       |                     |     |       |       |   |  |  |  |               |               |             |              |       |       |       |       |       |       |       |       |   |  |  |  |   |               |               |             |              |         |   |       |       |         |   |       |       |         |   |       |       |         |   |       |       |                |   |       |       |         |   |       |       |         |   |       |       |         |   |       |       |  |               |               |             |              |         |   |       |       |         |   |       |       |         |   |       |       |         |   |       |       |         |   |       |       |         |   |       |       |     |  |  |  |  |  |  |  |               |               |             |              |       |       |       |       |
| one additional course approved by the chair.  |   |  |              |              |         |   |       |       |         |   |       |       |                    |   |       |       |                     |     |       |       |   |  |  |  |               |               |             |              |       |       |       |       |       |       |       |       |   |  |  |  |   |               |               |             |              |         |   |       |       |         |   |       |       |         |   |       |       |         |   |       |       |                |   |       |       |         |   |       |       |         |   |       |       |         |   |       |       |  |               |               |             |              |         |   |       |       |         |   |       |       |         |   |       |       |         |   |       |       |         |   |       |       |         |   |       |       |     |  |  |  |  |  |  |  |               |               |             |              |       |       |       |       |
| <u>Course</u>   | <u>Credit</u>   | <u>Term</u>  | <u>Grade</u> |              |         |   |       |       |         |   |       |       |                    |   |       |       |                     |     |       |       |   |  |  |  |               |               |             |              |       |       |       |       |       |       |       |       |   |  |  |  |   |               |               |             |              |         |   |       |       |         |   |       |       |         |   |       |       |         |   |       |       |                |   |       |       |         |   |       |       |         |   |       |       |         |   |       |       |  |               |               |             |              |         |   |       |       |         |   |       |       |         |   |       |       |         |   |       |       |         |   |       |       |         |   |       |       |     |  |  |  |  |  |  |  |               |               |             |              |       |       |       |       |
| _____   | _____   | _____  | _____        |              |         |   |       |       |         |   |       |       |                    |   |       |       |                     |     |       |       |   |  |  |  |               |               |             |              |       |       |       |       |       |       |       |       |   |  |  |  |   |               |               |             |              |         |   |       |       |         |   |       |       |         |   |       |       |         |   |       |       |                |   |       |       |         |   |       |       |         |   |       |       |         |   |       |       |  |               |               |             |              |         |   |       |       |         |   |       |       |         |   |       |       |         |   |       |       |         |   |       |       |         |   |       |       |     |  |  |  |  |  |  |  |               |               |             |              |       |       |       |       |

Credit in the following courses requires department approval to be applied to the minor: MTH 380, 386, 387, 399, 499.

*Some course substitutions are possible in specific circumstances or with approval by the chair. These can be found on the Math Policies website: <http://www.gvsu.edu/mthpolicies/> under "Students & Curriculum".*