# MAJOR IN MATHEMATICS
## *Applied Mathematics*
Catalog Year: 2025-2026

Student Name: _____     Student G#:_____

Email:_____

## Course Requirements:

| Course | Credits | Term | Grade |
|---|---|---|---|
| MTH 201 | 4 | | |
| MTH 202 | 4 | | |
| MTH 203 | 4 | | |
| MTH 204[4] | 3 | | |
| MTH 205 | 3 | | |
| MTH 210[5] | 4 | | |
| MTH 304[4] | 3 | | |
| MTH 305 | 3 | | |
| MTH 360 | 3 | | |
| MTH 405 | 3 | | |
| MTH 490 or 498[1] | 2/3 | | |

Total Course Requirements**:** 11 courses/36-37credits

## Additional Mathematics Courses

Take additional courses from the following list for a total of 13 courses in mathematics:     yes     no

At least one must be a 400-level MTH course, at most one can have a non-MTH prefix:     yes     no

MTH 296, (300 or 401), 315[5], 350, 402, 406, 408, 441, 450, 465, 496, 498[1], STA 412.

| Course | Credits | Term | Grade |
|---|---|---|---|
| | | | |
| | | | |

## Cognate Courses

| Course | Credits | Term | Grade |
|---|---|---|---|
| CIS 161 or 162[2] | 3/4 | | |
| STA 216 or 312 or 412[3] | 3 | | |

## Other Notes:

- 2.0+ GPA in major     yes     no
- Degree:               BA     BS
  - Completion of MTH 201, 202, & STA 312 satisfies the BS degree requirement. For a BA, students must also complete the foreign language requirement.
- *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".*

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[1] MTH 498 may not count as both course requirement and elective.

[2] Choose CIS 162 if you're interested in a CS minor, choose 161 if you are leaning more towards data science or do not have a strong preference for either route.

[3] STA 412 may not count as both cognate and elective.

[4] For prior engineering majors, MTH 302 can replace MTH 204 and MTH 304 with one additional course needed upon approval from advisor.

[5] For CIS/MTH double majors or prior CIS majors, 225 and 325 together count for 210 & 315 upon approval from advisor.