MAJOR IN MATHEMATICS

Applied Mathematics

Catalog Year: 2026-2027

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

Computer Science/Statistics 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 216, 312, or 412) 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".*

[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.