

**MAJOR IN MATHEMATICS**

**Theoretical Mathematics**

Catalog Year: 2020-2021

Student Name: \_\_\_\_\_ Student G#:: \_\_\_\_\_

Email: \_\_\_\_\_

**Course Requirements:**

Course	Credits	Term	Grade
MTH 201	4		
MTH 202	4		
MTH 203	4		
MTH 204	3		
MTH 205	3		
MTH 210	4		
MTH 350	3		
MTH 408	3		
MTH 495 or 496	3		

**Additional Mathematics Courses**

Take additional courses from the following list for a total of 12 courses in mathematics:

One of the additional courses must be at the 400-level

MTH 300, 304, 305, 315, 360, 401, 402, 405, 406, 409, 431, 441, 450, 465, 495, 496, 498

Course	Credits	Term	Grade

**Cognate Courses**

Course	Credits	Term	Grade
CIS 161 or 162 or 261 <sup>1</sup>	3/4/3		
STA 312	3		
One course from list*			

\*BIO 355, BIO 375, CHM 351, 202, & STA 312 satisfies the BS degree requirement. For a BA, students must also complete the foreign language requirement.  
PSY 300, STA 314, STA 412

**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.
- Students considering graduate school are encouraged to take 450 and 409 and to consult with an advisor
- *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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<sup>1</sup> 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.