

## MATHEMATICS MAJOR

*Bachelor of Science*

Fall 2016 - Summer 2018

Name:

I.D. # \_\_\_\_\_

Major Requirements: 32 Semester Hours. At least 16 semester hours must be taken at Aquinas and the successful completion of the capstone requirement. Only courses with a grade of C- or better will count toward the major. A cumulative GPA of 2.3 is required for the major.

### AQUINAS REQUIREMENTS

MS 121 Calculus I	4.0
MS 122 Calculus II	4.0
MS 231 Multivariate Calculus	4.0
MS 232 Linear Algebra	3.0
MS 321 Abstract Algebra	4.0

### TRANSFER EQUIVALENTS

MATH 250
MATH 251

Electives: 13 semester hours from courses having MS 121 as a pre-requisite (excluding MS 375).

Only 1 credit hour from each of the following classes count towards elective credit (optional): MS 252, MS 282, and CA 210.

If seeking secondary certification, major electives must include one department approved course in Geometry (MS433), Probability and Statistics (MS 252 or MS 493/4), History of Mathematics (MS 351), and Discrete Math (MS 240). Students also need to take MS 375 and are expected to be proficient in the use of computers. Recommended course for a math elective is: MS 170.

If seeking elementary certification, major electives should include one department approved course in Probability and Statistics and History of Mathematics. For elementary or middle school teaching, students also need to take MS 260, MS 261, and MS 271.

### CAPSTONE REQUIREMENT:

Prospective Teachers: MS351 and MS375

Finance, Actuarial Science, Biostatistics, etc.: MS493 and MS494

Graduate work: CA 210