4-year plan for BA in Mathematics
(requires a minor and/or major in another field)

	Fall Semester		Spring Semester	
First Year	**[4] Math212 (Calculus I)** **[3] Stat210 (Statistics)**		**[4] Math213 (Calculus II)** **[3] Math247 (Discrete Math)** [1]	
Second Year	**[4] Math312 (Multivariable Calc)** **[4] Math242 (Linear Algebra)** [1]		[3] Math313 (Differential Equations) [2] [4△] Math327 (Foundations)	
Third Year	*Odd Fall* [3△] Math452 (Advanced Calc I) [3] Elective [3]	*Even Fall* [3△] Math447 (Abstract Algebra I) [3] Elective [3]	*Even Spring* [3◎] Math453 (Advanced Calc II) [4] OR Elective [3]	*Odd Spring* [3◎] Math448 (Abstract Algebra II) [4] OR Elective [3]
Fourth Year	*Even Fall* [3△] Math447 (Abstract Algebra I)	*Odd Fall* [3△] Math452 (Advanced Calc I)	*Odd Spring* [3◎] Math448 (Abstract Algebra II) [4] OR Elective [3]	*Even Spring* [3◎] Math453 (Advanced Calc II) [4] OR Elective [3]

[n] Course is n semester hours.

[△] Writing Intensive

[◎] Oral Intensive

(1) Optional for minor: Choose one of Math242 or Math247.

(2) Minor requires 1 elective course numbered 300 or higher. A student taking Math313 without Math242 should take the 1-credit Math314 concurrently with Math313.

(3) BA degree requires a total of 6 s.h. of electives numbered Math302, 307, 317 or above. One appropriate STAT or DSCI course can serve as an elective.

(4) One of Math448 OR Math453 required. These courses are offered alternating spring semesters. If taking both, one will count as an elective.

Purple Bold Text: Required for minor and BA degree.

Blue Text: Required for BA degree.

4-year plan for BS in Mathematics

	Fall Semester		Spring Semester	
First Year	[4] Math212 (Calculus I) [3] Stat210 (Statistics)		[4] Math213 (Calculus II) [3] Math247 (Discrete Math) [4] CS243 (Algorithms) OR [3] DSCI210 (Data Science)	
Second Year	[4] Math312 (Multivariable Calc) [4] Math242 (Linear Algebra) [3-4] Applications of Math Elective I		[3] Math313 (Differential Equations) [4Δ] Math327 (Foundations) [3-4] Applications of Math Elective II	
Third Year	*Odd Fall* [3Δ] Math452 (Advanced Calc I) [3] List A Elective [1] *(Find Faculty Member for Independent Project)* [2]	*Even Fall* [3Δ] Math447 (Abstract Algebra I) [3] List B Elective [1] *(Find Faculty Member for Independent Project)* [2]	*Even Spring* [3] Math347 (Number Theory) OR Math337 (Probability) [3] [2] Math395 (Prof. Skills) [3◎] Math453 (Advanced Calc II) [4]	*Odd Spring* [3] Math337 (Probability) OR Math347 (Number Theory) [3] [2] Math395 (Prof. Skills) [3◎] Math448 (Abstract Algebra II) [4]
Fourth Year	*Even Fall* [3Δ] Math447 (Abstract Algebra I) [3] List B Elective [3] Math490 (Ind. Project) [2] *(Take the GRE and apply for Graduate School)*	*Odd Fall* [3Δ] Math452 (Advanced Calc I) [3] List A Elective [3] Math490 (Ind. Project) [2] *(Take the GRE and apply for Graduate School)*	*Odd Spring* *[3◎] Math448 (Abstract Algebra II) [4]* [3] List A Elective [1] Math495 (Communication)	*Even Spring* *[3◎] Math453 (Advanced Calc II) [4]* [3] List B Elective [1] Math495 (Communication)

[n] Course is n semester hours.

[Δ] Writing Intensive

[◎] Oral Intensive

(1) 9 s.h. of electives required. 3 s.h. from List A, 3 s.h. from List B, and 3 s.h. general elective from Math302, 307, 317 and above or various STAT or DSCI courses.

(2) 3 s.h. of Math490 (Independent Project) required. This course must be arranged with a faculty advisor and may be broken up across semesters. Some faculty advisors prefer to start in third year. A summer internship between third and fourth years may also satisfy the requirement. Students should coordinate with their advisor.

(3) One of Math337 OR Math 347 required. If both taken, one will count as general elective. Math347 is only offered spring semesters. Math337 is offered fall and spring.

(4) One of Math448 OR Math453 required. If both taken, one will count as List A/ B or general elective.

Blue Text: Required for BS degree.

Green Italic Text: Suggested for BS degree preparing for graduate school in mathematics.

List A Electives
- Math302 (Chaos): Offered periodically in odd spring semesters
- Math332 (Numerical Analysis): Offered odd fall semesters
- Math342 (Advanced Linear): Offered periodically in odd spring semesters
- Math453 (Advanced Calc II): Offered even spring semesters

List B Electives
- Math317 (Complex): Offered periodically in even spring semesters
- Math413 (Applied Mathematics): Offered even fall semesters
- Math448 (Abstract Algebra II): Offered odd spring semesters
- Math462 (Topology): Offered periodically in even spring semesters