



# 21/22 Suggested Course of Study

## Mathematics, BS

### Freshman Year, Fall Semester

Major	MATH 170, Calculus I*	4
Gen Ed	ENG 101, Composition I	3
Gen Ed	COMS 101, Foundations of Oral Comm.	3
Gen Ed	HIST 101 or 102, History of World Civ I or II	3
Gen Ed	Humanities or Fine Arts course	3
<b>Total semester hours</b>		<b>16</b>

### Freshman Year, Spring Semester

Major	MATH 171, Calculus II	4
Major	MATH 185, Survey of Mathematics	1
Major	MATH 261, Intro to Prog & Comp Alg Sys*	3
Gen Ed	ENG 102, Composition II	3
Gen Ed	HIST 101 or 102 or Social & Behavioral Sci.	3
<b>Total semester hours</b>		<b>14</b>

### Sophomore Year, Fall Semester

Major	MATH 247, Intro to Discrete Mathematics	3
Major	MATH 272, Calculus III	4
Major	MATH major elective, 200 level or above	3
Support	PHYS 201 or 241, College or Univ. Physics I*	4
<b>Total semester hours</b>		<b>14</b>

### Sophomore Year, Spring Semester

Major	MATH 271, Sequences, Series & Indt Forms	3
Major	MATH 310, Foundations of Mathematics	3
Support	PHYS 202 or 242, College or Univ. Physics II	4
Gen Ed	ENG 231 or 232, Global Literature I or II	3
Elective	General or Minor elective	3
<b>Total semester hours</b>		<b>16</b>

### Junior Year, Fall Semester

Major	MATH 390, Linear Algebra	3
Major	MATH 470, Real Analysis	3
Gen Ed	Science with lab, Non-Physics	4
Gen Ed	ENG 231 or 232 or Humanities course	3
Elective	General or Minor electives	3
<b>Total semester hours</b>		<b>16</b>

### Junior Year, Spring Semester

Major	MATH 376, Complex Algebra	3
Major	MATH 440, Abstract Algebra	3
Gen Ed	Social & Behavioral Sciences course	3
Gen Ed	Fine Arts course	3
Elective	General or Minor elective	3
<b>Total semester hours</b>		<b>15</b>

### Senior Year, Fall Semester

Major	MATH 484, Directed Reading in Math.	1
Major	MATH 480, Topology	3
Gen Ed	Social & Behavioral Sciences course	3
Gen Ed	Humanities or Fine Arts course	3
Electives	General or Minor elective	6
<b>Total semester hours</b>		<b>16</b>

### Senior Year, Spring Semester

Major	MATH 485, Senior Seminar	2
Major	MATH major elective, 300 level or above	3
Electives	General or Minor elective	8
<b>Total semester hours</b>		<b>13</b>

**TOTAL HOURS REQUIRED FOR DEGREE 120**

## Notes

\* Indicates the course is also used to satisfy a General Education Core requirement.

This suggested course of study is for informational purposes only and does not replace academic advising. All UM students must meet with an academic advisor before registering for future semesters. This plan contains 24 hours of general electives.

For more information, contact the department chair or click one of the links below:

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