



22/23 Suggested Course of Study

Mathematics, BS

(Philosophy Option)

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
Total semester hours		16

Junior Year, Fall Semester

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

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
Total semester hours		14

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
Support	PHIL 330, Philosophy of Science	3
Total semester hours		15

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	PHIL 110 or 180 or 250 or 280 or 290	3
Elective	General or Minor electives	2
Total semester hours		15

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
Support	PHIL 110/180 or 250/280/290 or 300/440	3
Elective	General or Minor elective	3
Total semester hours		16

Sophomore Year, Spring Semester

Major	MATH 271, Sequences, Series & Indt Forms	3
Major	MATH 310, Foundations of Mathematics	3
Support	PHIL 110 or 180 or 290 or 300	3
Gen Ed	ENG 231 or 232, Global Literature I or II	3
Elective	General or Minor elective	3
Total semester hours		15

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
Total semester hours		13

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 20 hours of general electives.

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

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Webpage: <https://www.montevallo.edu/academics/colleges/college-of-arts-sciences/biology-chemistry-mathematics/programs/mathematics/>

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