



# 22/23 Suggested Course of Study

## Mathematics, BA

### (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	Fine Arts	3
Support	PHIL 110 or 180 or 250 or 280 or 290	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	ENG 231 or 232 or Humanities & Fine Arts	3
Gen Ed	Science with lab	4
BA Degree	FRN or GER or SPN 101*	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>

#### Junior Year, Spring Semester

Major	MATH Electives, 300 or 400 level	6
Gen Ed	HIST 101 or 102 or Social & Behavioral Sci.	3
BA Degree	FRN or GER or SPN 102*	3
Support	PHIL 330, Philosophy of Science	3
<b>Total semester hours</b>		<b>15</b>

#### Sophomore Year, Fall Semester

Major	MATH 247, Intro to Discrete Mathematics	3
Major	MATH 272, Calculus III	4
Major	MATH major elective, 300 or 400 level	3
Gen Ed	Science with lab	4
<b>Total semester hours</b>		<b>14</b>

#### Senior Year, Fall Semester

Major	MATH 484, Directed Reading in Math.	1
Major	MATH major elective, 400 level	3
Gen Ed	Social & Behavioral Sciences	3
BA Degree	FRN or GER or SPN 201	3
Support	PHIL 110/180 or 250/280/290 or 300/440	3
Elective	General or Minor	3
<b>Total semester hours</b>		<b>16</b>

#### 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	3
<b>Total semester hours</b>		<b>15</b>

#### Senior Year, Spring Semester

Major	MATH 485, Senior Seminar	2
Major	MATH major elective, 300 or 400 level	3
Gen Ed	Social & Behavioral Sciences	3
BA Degree	FRN or GER or SPN 202	3
Elective	General or Minor	3
<b>Total semester hours</b>		<b>14</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 10 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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