



21/22 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 |
| Total semester hours | | 16 |

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 |
| 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 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 |
| 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, 300 or 400 level | 3 |
| Gen Ed | Science with lab | 4 |
| Total semester hours | | 14 |

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 |
| 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 | 3 |
| Total semester hours | | 15 |

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 |
| Total semester hours | | 14 |

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/>

Bulletin: http://bulletin.montevallo.edu/preview_program.php?catoid=24&poid=3627&returnto=3062