2025-2026 Mathematics BA Degree Plan

Student name: _____ UMID: _____ Date: _____
Advisor name: _____ Concentration: **None**

The Purpose of General Education is to Gain:

- Knowledge of Human Cultures and the Physical and Natural World
- Intellectual and Practical Skills
- Personal and Social Responsibility
- Integrative and Applied Learning

UNIVERSITY of MONTEVALLO

Key Courses For General Education (43-47 hours)

First Year Experience (3)
Choose: UM 101 or HNRS 101 3____

1. **Written Composition (6)**
Choose: ENG 101 or 103. 3____
Choose: ENG 102 or 104. 3____

2. **Humanities & Fine Arts (18)**
Choose one: ENG 231, 233, 232 or 234.* 3____
*Students must complete a six-hour sequence in either History or Literature. Students may complete both sequences.
Choose: COMS 101 or 102. 3____
Choose one Fine Arts: ART 100, 120, 220; MC 100, 325; MUS 121 or 122, 125, 211, 240, 255, 342; THEA 120 or 122, 123. 3____
Choose one Humanities: AAS 200; ENG 231 or 233, 232 or 234; FRN 101, 102, 150, 201, 202, 250; SPN 101 or 103, 102 or 104, 150, 201, 202, 250; GER 101, 102, 201, 202; PHIL 110 or 111, 180, 220 or 221, 230, 280, 290; REL 110. 3____
Choose two of the following (not used above): AAS 200, ART 100, 120, 220; ENG 231 or 233, 232 or 234; FRN 101, 102, 150, 201, 202, 250; SPN 101 or 103; 102 or 104, 150, 201, 202, 250; GER 101, 102, 201, 202; MC 100, 325; MUS 121 or 122, 125, 211, 240, 255, 342; PHIL 110 or 111, 180, 220 or 221, 230, 280, 290; REL 110; THEA 120 or 122, 123. 3____ 3____

3. **Natural Sciences & Mathematics (12)**
Choose one lab science from two different disciplines: BIO 100, 105-107; CHEM 100-102, 121, 122; ESCI 100; GEOL 110, 115; PHYS 100 or higher. 4____ 4____
Choose: MATH 170. 4 **

4. **History, Social & Behavioral Sciences (12)**
Choose one History: HIST 101, 103, 102 or 104.* 3____
*Students must complete a six-hour sequence in either History or Literature. Students may complete both sequences.
Choose three of the following not used above:
EC 231, 232; FCS 291, 302; GEOG 231; 3____
HIST 101 or 103, 102 or 104; POS 200, 250; 3____
PSYC 201/202; SOC 101/102; SWK 203, 260, 322. 3____

5. **Personal Development (3)**
Choose: MATH 261. 3 **

**Indicates requirement is satisfied in major course requirements.

Bachelor of Arts Requirements (up to 12 hours)

Students must complete either:

- the second-year course sequence in ASL, FRN, GER, or SPN.
- OR the first-year course sequence in two different languages.

Other options to complete the BA requirements are found in the Bulletin.

_____ 3____ _____ 3____
_____ 3____ _____ 3____

GENERAL GRADUATION REQUIREMENTS

1. 50% of crs in major area at UM
2. 30 hrs 300/400 at UM
3. 30 of last 40 hours at UM
4. 64 hr limit from 2-year school
5. 45 hr limit of non-traditional credit
6. 6-hr sequence in history or literature
7. Capstone experience within major
8. 2.0 or higher UM GPA and in all major and minor areas

Updated 6/23/2025

Major Course Requirements (51 hours)

MATH 170 (Calculus I)	4____
MATH 171 (Calculus II)	4____
MATH 185 (Survey of Mathematics)	1____
MATH 247 (Intro to Discrete Mathematics)	3____
MATH 261 (Intro to Prog. & Comp. Alg. Sys.)	3____
MATH 271 (Sequences, Series & Indt. Forms)	3____
MATH 272 (Calculus III)	4____
MATH 310 (Foundations of Mathematics)	3____
MATH 390 (Linear Algebra)	3____
MATH 470 (Real Analysis)	3____
MATH 484 (Directed Reading in Mathematics)	2____
MATH 485 (Senior Seminar)	3____
Math Elective (300 level or above)	3____
Math Elective (300 level or above)	3____
Math Elective (300 level or above)	3____
Math Elective (300 level or above)	3____
Math Elective (400 level or above)	3____

Must earn a GPA of 2.0 or higher for all upper-division mathematics courses as well as a major GPA of 2.0 or higher.

Additional Requirements (8-12 hours)

8 hours at the 200 level or above taken in ONE of the following: Biology, Chemistry or Physics* 4____ 4____

OR choose **PHIL 250** and 9 hours from the following: PHIL 110, 180, 220, 280, 290, 300, 330, 400. 3____ 3____ 3____ 3____

***Students who complete the science option will fulfill one of the two lab sciences required for general education.**

General Electives (0-6 hours)

_____
_____
_____
_____

Minor Course Requirements (Optional)

Title:_____ Hrs. Req. _____
_____
_____
_____

Total Hours Required:	120-122
Total Hours Completed to Date:	_____
Hours Remaining for Completion:	_____
Hours Currently Registered:	_____
Hours Remaining:	_____

For planning only. Refer to Degree Works for official degree evaluation.

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