

# 2025-2026 Mathematics BS 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

**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; 3 \_\_\_\_\_  
 MC 100, 325; MUS 121 or 122, 125, 211, 240, 255, 342; THEA 120 or 122, 123.  
 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.  
 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. **Natural Sciences & Mathematics (12)**  
 Choose one lab science from two different disciplines:  
 BIO 100, 105-107; CHEM 100-102, 121, 122; 4 \_\_\_\_\_  
 ESCI 100; GEOL 110, 115; PHYS 100 or higher. 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.

**Additional Requirements for Degree**

**Bachelor of Science Requirements**  
 Satisfied through major requirements.

**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 & Indet. Forms) 3 \_\_\_\_\_  
 MATH 272 (Calculus III) 4 \_\_\_\_\_  
 MATH 310 (Foundations of Mathematics) 3 \_\_\_\_\_  
 MATH 376 (Complex Analysis) 3 \_\_\_\_\_  
 MATH 390 (Linear Algebra) 3 \_\_\_\_\_  
 MATH 440 (Abstract Algebra) 3 \_\_\_\_\_  
 MATH 470 (Real Analysis) 3 \_\_\_\_\_  
 MATH 480 (Topology) 3 \_\_\_\_\_  
 MATH 484 (Directed Reading in Mathematics) 2 \_\_\_\_\_  
 MATH 485 (Senior Seminar) 3 \_\_\_\_\_  
 MATH Elective (200 level or above) 3 \_\_\_\_\_  
 MATH Elective (300 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 \_\_\_\_\_

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

**General Electives (10-18 hours)**

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**Minor Course Requirements (Optional)**

Title: \_\_\_\_\_ Hrs. Req. \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**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

|                                 |       |
|---------------------------------|-------|
| Total Hours Required:           | 120   |
| 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.*