

# 2015-2016 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
- Personal and Social Responsibility
- Intellectual and Practical Skills
- Integrative and Applied Learning

## Key Courses For General Education (40 hours)

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 or 232/234\* 3 \_\_\_\_\_  
\*Students must take at least one six hour sequence in Literature or History. Students are free to take both sequences.  
Choose COMS 101 or 102 3 \_\_\_\_\_  
Choose one Fine Arts: ART 100, 218, 219; 3 \_\_\_\_\_  
 MC 325; MUS 121/122, 125, 211, 255, 342; 3 \_\_\_\_\_  
 THEA 120/122. 3 \_\_\_\_\_  
Choose one Humanities:  
 ENG 231/233, 232/234; FRN 101, 102, 150, 3 \_\_\_\_\_  
 201, 202, 250; SPN 101/103, 102, 104, 150, 3 \_\_\_\_\_  
 201, 202, 250; GER 101, 102, 201, 202; 3 \_\_\_\_\_  
 PHIL 110/111, 180, 220/221, 230, 280, 290. 3 \_\_\_\_\_  
Choose two of the following (not used above):  
 ART 100, 218, 219; ENG 231/233, 232/234; 3 \_\_\_\_\_  
 FRN/SPN 101, 102, 150, 201, 202, 250; 3 \_\_\_\_\_  
 GER 101, 102, 201, 202; MC 325; 3 \_\_\_\_\_  
 MUS 121/122, 125, 211, 255, 342; PHIL 110/111, 3 \_\_\_\_\_  
 180, 220/221, 230, 280, 290; THEA 120/122. 3 \_\_\_\_\_
3. **Natural Sciences & Mathematics (11)**  
Choose one lab science from two different disciplines:  
 BIO 100 or higher; CHEM 100 or higher; 4 \_\_\_\_\_ ✓  
 GEOL 110, 115; PHYS 100 or higher 4 \_\_\_\_\_  
Choose MATH 170 3 \_\_\_\_\_ ✓
4. **History, Social & Behavioral Sciences (12)**  
Choose one: HIST 101/103 or 102/104\* 3 \_\_\_\_\_  
\*Students must take at least one six hour sequence in Literature or History. Students are free to take both sequences.  
Choose three of the following not used above:  
 EC 231, 232; FCS 291, 402; GEOG 231; 3 \_\_\_\_\_  
 HIST 101/103, 102/104; POS 200, 250; PSYC 201; 3 \_\_\_\_\_  
 PSYC/SWK 203, 322; SOC 101; SWK 260 3 \_\_\_\_\_
5. **Personal Development (3)**  
Choose MATH 261 3 \_\_\_\_\_ ✓

## Major Course Requirements (48 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)  | 1 _____ |
| MATH 485 (Senior Seminar)                   | 1 _____ |
| 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 _____ |

## Additional Requirements (8 hours)

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

## General Electives (12 hours)

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

## Minor Course Requirements (Optional)

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

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

## Additional Requirements for Degree (12 hours)

### Bachelor of Arts Requirements

Complete the second-year course sequence in FRN, GER, SPN.  
 Courses may also be used to satisfy requirement #2 (Humanities) above.

101/103	3 _____	201	3 _____
102/104	3 _____	202	3 _____
Or 150	6 _____	250	6 _____

✓ Indicates requirement is satisfied in major course requirements

## GENERAL GRADUATION REQUIREMENTS

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

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

*For planning only. Refer to CAPP for official degree evaluation.*