

## MATHEMATICS MAJOR CURRICULUM GUIDE

**GENERAL STUDIES:**

**Area I (6 hours)**

ENG 1101 Composition I 3 \_\_\_\_\_  
 ENG 1102 Composition II 3 \_\_\_\_\_

**Area II (13 hours)**

COM 2241 Speech 3 \_\_\_\_\_

*Select TWO of the following three courses:*

ART 1133 Visual Arts\* 2 \_\_\_\_\_  
 DRA 2200 Intro to Drama 2 \_\_\_\_\_  
 MUS 1131 Music Appreciation\* 2 \_\_\_\_\_

*Select ONE LITERATURE:*

ENG 2205\*, 2206\*, 2211, 2212 3 \_\_\_\_\_  
 2244, 2245, 2207\*, 2208\*

Select ONE COURSE for three hours:

CLA 2260 Classical Myth\* 3 \_\_\_\_\_  
 REL 2280 World Religions\*  
 PHI 2203 Intro to Philosophy  
 PHI 2204 Ethics  
 Second Literature not taken above  
 Or any introductory foreign language\*

**Area III (12 hours)**

BIO 1100 Biology I & Lab 4 \_\_\_\_\_  
 MTH 1125 Calculus I 4 \_\_\_\_\_

*Select ONE COURSE + LAB for four hours:*

CHM 1142 Gen. Chemistry & Lab 4 \_\_\_\_\_  
 PHY 2252 Gen. Physics & Lab  
 SCI 2233 Physical Science & Lab  
 SCI 2234 Earth Science & Lab

**Area IV (12 hours)**

*Select ONE HISTORY:*

HIS 1101, 1102, 1111, 1112, 1122\*, 1123\* 3 \_\_\_\_\_  
 1103, 1104, 1113, 1114

*Select THREE COURSES for nine hours:*

ANT 2200 Anthropology\* 3 \_\_\_\_\_  
 ECO 2251 Macroeconomics\* 3 \_\_\_\_\_  
 ECO 2252 Microeconomics\* 3 \_\_\_\_\_  
 GEO 2210 Geography\* 3 \_\_\_\_\_  
 POL 2260 World Politics\* 3 \_\_\_\_\_  
 POL 2241 American Nat'l Gov. 3 \_\_\_\_\_  
 PSY 2200 Gen. Psych 3 \_\_\_\_\_  
 PSY 2210 Dev Psych (recommended) 3 \_\_\_\_\_  
 SOC 2275 Sociology 3 \_\_\_\_\_  
 Second history not taken above 3 \_\_\_\_\_

**Area V**

TROY 1101 Orientation or Honors 1 \_\_\_\_\_  
 MTH 2220 Comp. Progr. for Math 3 \_\_\_\_\_

**MATH Major (38 hours):**

MTH 1126 Calculus II 4 \_\_\_\_\_  
 MTH 2227 Calculus III 4 \_\_\_\_\_  
 MTH 3311 Differential Equations 3 \_\_\_\_\_  
 MTH 3318 Intro to Adv. Math 3 \_\_\_\_\_  
 MTH 3331 Linear Algebra 3 \_\_\_\_\_  
 MTH 4424 Real Analysis I 3 \_\_\_\_\_  
 MTH 4441 Abstract Algebra I 3 \_\_\_\_\_

*Select one of the following options for 15 hours:*

MTH 4425 Real Analysis II 3 \_\_\_\_\_  
**plus** 12 additional hours upper-level math electives (see your advisor for recommendations) 3 \_\_\_\_\_  
 3 \_\_\_\_\_  
 3 \_\_\_\_\_

**OR**

MTH 4451 Math Stats I 3 \_\_\_\_\_  
 MTH 4452 Math Stats II 3 \_\_\_\_\_  
**plus** 9 additional hours upper-level math electives (see your advisor for recommendations) 3 \_\_\_\_\_  
 3 \_\_\_\_\_

**MINOR (17-20 hours):**

*Select a minor of your choice.*

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**ELECTIVES (15-18 hours):**

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 \_\_\_\_\_  
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*\*International in scope*

*All students must take at least 6 hours in Areas II and/or IV that are international in scope.*

*All students must take a 6 hr sequence in literature or history*

*A second major may be chosen in place of a minor and free electives*

**TOTAL HOURS REQUIRED:** 120