

# Mathematics, B.S.

## College of Arts & Sciences

### General Education Curriculum (GEC) Requirements "At - a - Glance"

(Full GEC requirements can be found on pages 51-52)

The GEC contains 22 Learning Objectives organized under five General Education Learning Outcomes (GLOs). To complete the GEC, select at least one course for each objective. Many courses will meet more than one objective, but a minimum of 40 distinct hours in the GEC is required.

**1. Effective Written & Oral Communication**

- a. Eng 100, 101 ..... \_\_\_\_\_
- b. Eng 121 ..... \_\_\_\_\_
- c. Fys 100 ..... \_\_\_\_\_
- d. Eng 100, 101 ..... \_\_\_\_\_

**2. Critical & Creative Thinking**

- a. Eco 100, Phi 151, 152, Psy 100 ..... \_\_\_\_\_
- b. Eco 100, Phi 151, 152, Psy 100, Soc 100 ..... \_\_\_\_\_
- c. Eng 121 ..... \_\_\_\_\_
- d. Art 103, 108, 120, 121, Eng 211 ..... \_\_\_\_\_
- e. Art 107, Art/Eng 116, Eng 151 ..... \_\_\_\_\_

**3. Quantitative & Scientific Reasoning**

- a. Mat 101, 117, 121, 131, 140, 166, 201 or higher,  
Phy 153, 154 ..... \_\_\_\_\_
- b. Mat 101, 117, 121, 131, 140, 201 or higher, Phy 153, 154 ... \_\_\_\_\_
- c. Bio 103, 104, 105, 112, 261, 262, 300, Hpr 101 ..... \_\_\_\_\_
- d. Chy 111, 112, 122, 221, 222, Env 110, 120, 125, 130, 201,  
301, 302, 308, Gey 112, 114, Phy 153, 154 ..... \_\_\_\_\_
- e. Bio 105, 112, 113, 261, 262, Chy 111, 112, 122,  
221, 222, Env 308, Gey 112, 114, Phy 153, 154 ..... \_\_\_\_\_

**4. Information Literacy**

- a. Fys 100 ..... \_\_\_\_\_
- b. Eng 121 ..... \_\_\_\_\_
- c. Phi 151, 152, Swk 202 ..... \_\_\_\_\_

**5. Global Consciousness & Intercultural Awareness**

- a. Ant 100, 110, Geo 100, 101, Soc 100, Swk 305, Wab 110,  
Wst 101 ..... \_\_\_\_\_
- b. Hty 115, 116, 161, 162, 184 ..... \_\_\_\_\_
- c. Asl 101, Chi 101, 102, Fre 101, 102, 201, 202, Rus 101, 102  
Spa 101, 102, Wab 100, 105 ..... \_\_\_\_\_
- d. Phi 151, 152, Pos 211, Swk 202 ..... \_\_\_\_\_
- e. Pos 101, 211, 332 ..... \_\_\_\_\_

**MATHEMATICS MAJOR REQUIREMENTS 40-41 CREDIT HOURS:**

Cos 105 Computer Programming	3
Mat 131 Calculus I	4
Mat 132 Calculus II	4
Mat 201 Probability and Statistics I	3
Mat 202 Probability and Statistics II	3
Mat 251 Foundations of Mathematics	3
Mat 274 Linear Algebra	3
Mat 312 Geometric Structures	4

**Select FOUR of the following:**

Mat 231 Calculus III	4
Mat 233 Ordinary Differential Equations	4
Mat 321 Topics in Algebra	3
Mat 335 Topics in Analysis	3
Mat 435 Real Analysis	3

**SELECT GENERAL ELECTIVES TO BRING TOTAL EARNED HOURS TO 120:**

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**Total credits required for degree: 120**

**Minimum cumulative GPA for graduation: 2.00**

**Cumulative GPA for major requirements: 2.25**