

# Elementary Education, B.S.

## MATHEMATICS CONCENTRATION - College of Education

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

(Full GEC requirements can be found on pages 48-49)

The GEC contains 24 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, 150 .....
- d. Eng 100, 101 .....

#### 2. Critical & Creative Thinking

- a. Eco 100, Phi 151, 152, Psy 100 .....
- b. Eco 100, Phi 151, 152, Pos 101, Psy 100, Soc 100 .....
- c. Eng 121 .....
- d. Art 103, 108, 120, 121, Eng 211 .....
- e. Art 107, Art/Eng 116, Eng 151 .....
- f. Eng 121 .....

#### 3. Quantitative & Scientific Reasoning

- a. Mat 101, 117, 121, 131, 140, 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, 260, 261, 262, 300, Hpr 101 .....
- d. Chy 111, 112,122, 221, 222, Env 110, 120, 125, 201, 301, 302, 308, Gey 112, 114, Phy 153, 154 .....
- e. Bio 105, 112, 113, 260, 261, 262, Chy 111, 112, 122, 221, 222, Env 308, Gey 112, 114, Phy 153, 154 .....

#### 4. Information Literacy

- a. Fys 100, 150 .....
- b. Eng 121 .....
- c. Phi 151, 152, Swk 202 .....

#### 5. Global Consciousness & Intercultural Awareness

- a. Ant 100, 110, Geo 100, Soc 100, Swk 305, Wab 110, Wst 101 .....
- b. Hty 115, 116, 161, 162 .....
- c. Asl 101, Chi 101, 102, Fre 101, 102, 201, 202, Rus 101, Spa 101, 102, Wab 100, 105 .....
- d. Phi 151, 152, Pos 211, Swk 202 .....
- e. Pos 101, 211, 231 .....

#### PROFESSIONAL EDUCATION – 51 CREDIT HOURS

Edu 150 Exploring Education in Contemporary America	3
Mat 111 Principles of Mathematics I	3
Edu 200 The Learner and the Learning Process	3
Edu 261 Educational Technology in the Classroom	3
Edu 351 Teaching Elementary Reading	3
Edu 357 Children’s Literature	3
Edu 361 Teaching Science in the Elementary School	3
Edu 366 Teaching Math in the Elementary School	3
Edu 371 Teaching Social Studies in the Elementary School	3
Elementary Education Electives	6

#### Select TWO of the following:

Edu 310, 352, 353, 375, 376, 378, 389; Edu/Sed 222, 232, 322, 332, 352; Edu/Swk 350; or Mat 112.

Edu 387 Teaching Students with Special Needs in Inclusive Classrooms	3
Edu 395 Internship in Teacher Education	3
Edu 495 Student Teaching	12

#### MATHEMATICS– 27 CREDIT HOURS

Mat 121 Pre-calculus	4
Mat 131 Calculus I	4
Mat 201 Probability & Statistics I	3
Mat 251 Foundations of Mathematics	3
Mat 312 Geometric Structures	4

#### Choose an additional 9 credits from:

Cos 105, Mat 132 or higher	3
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#### SELECT GENERAL ELECTIVES TO BRING TOTAL EARNED HOURS TO 120

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**Total credits required for degree: 120**

**Minimum cumulative GPA required for student teaching (Edu 495): 2.50**

**Cumulative GPA required in courses in the concentration area: 2.50**

**Minimum cumulative GPA for graduation: 2.50**

**Cumulative GPA required in courses in the professional education sequence: 2.50**