Secondary Education - Mathematics, B.S.
College of Professional Programs

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

(Full GEC requirements can be found on pages 60-61)

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. Bus/Com 210, Pos 101, Pcj 215. . . . . _____
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, 221, 231, 235, 246, 247,
   251, 261, Eng 211 . . . . _____
e. Art 107, 211, 212, 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, 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, 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 . . . . _____

GEC REQUIREMENT FOR SECONDARY EDUCATION MAJORS

Hty 116 World Civilization II	3
Soc 100 Introduction to Sociology	3

PROFESSIONAL EDUCATION – 41 Credit Hours

Edu 152 Introduction to Education	3
Edu 153 Foundations of Education	3
Edu 200 The Learner and the Learning Process	3
Edu 261 Educational Technology in the Classroom	3
Edu 310 The Teaching Process	3
Edu 364 Content Area Literacy	3
Edu 379 Secondary Math Methods	3
Edu 387 Teaching Students with Special Needs in Inclusive Classrooms	3
Edu 395 Practicum in Education	3
Edu/Sed 490 Capstone in Teacher Education	2
Edu 495 Student Teaching	12

MATHEMATICS CONCENTRATION – 36 Credit Hours

Cos 105 Computer Programming	3
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 for a minimum of 13 credit hours:

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

_____
_____
_____
_____
_____

Total credits required for degree: 120
Minimum cumulative GPA for graduation: 3.00
Cumulative GPA in major and concentration: 3.00
Cumulative GPA professional education sequence: 3.00
Minimum cumulative GPA for student teaching: 3.00
Student must hold current First Aid/CPR Certification