

Visual Impairment Birth-21 Elementary Education – 4-8 Mathematics & Science

Program Code: UCOESPUES

Effective Date: August, 27, 2018

Total number of credits: 135

Version Number: 2188 – Fall 2018

Student Learning Outcomes (SLOs)

Upon completion of the requirements for the General Education Program, students will be able to:

1. Communicate clearly and effectively orally and in writing.
2. Apply scientific and quantitative reasoning to solve problems and increase knowledge.
3. Apply skills in critical analysis and reasoning for the interpretation of data.
4. Engage critically with creative or artistic works.
5. Demonstrate the ability to retrieve, interpret, and evaluate information.
6. Analyze the role of values, ethics, diversity, and multiple perspectives in local and global society.
7. Demonstrate an understanding of various models for the development of the whole person.
8. Explore concepts, ideas, and methods from a variety of disciplines.

I. Discovering College (3 cr)

This course meets SLOs # 5 and #7

		CR	GR
First Year Seminar	FYS 101	3	_____
TOTAL CREDITS			_____

COURSES IN CATEGORIES II.B, II.C, AND II.D MUST BE TAKEN

OUTSIDE THE STUDENT'S MAJOR. THE MAJOR IS DEFINED AS THE PREFIX THAT IDENTIFIES THE MAJOR. CONCOMITANT REQUIREMENTS MAY BE TAKEN TO MEET GEN ED REQUIREMENTS.

Transfer students transferring 15 credits or more and not transferring an FYS or FYE course may select **ANY approved General Education** course to meet their FYS requirement. Course _____ 3 _____

II. B. Understanding Self and Others - (9 credits)

These course meet SLOs # 3 and #6

Course	CR	GR
_____	___	___
_____	___	___
_____	___	___
TOTAL CREDITS		_____

II. A. Communicating with and about the World - (12 cr)

These courses meet SLOs #1 and #5

At least one course must be a CMP (Composition) 100 level course and one course must be a 200 level CMP course.

	Course	CR	GR
1. Composition			
	CMP100 LEVEL _____	___	___
2. Composition			
	CMP200 LEVEL _____	___	___
3. Speaking	_____	___	___
4. Any writing or speaking course (II.A.2, II.A.3) or from the approved list	_____	___	___
TOTAL CREDITS			_____

II. C. Understanding Science & Technology - (9-11 cr)

These course meet SLOs #2 and #3

	Course	CR	GR
1. Scientific Inquiry	_____	___	___
2. Quantitative Reasoning	_____	___	___
3. ANY II.C.1 OR II.C.2 COURSE	_____	___	___
TOTAL CREDITS			_____

II. D. Understanding and Creating Ideas – (9 credits)

These courses meet SLOs # 4 and #6

Course	CR	GR
_____	___	___
_____	___	___
_____	___	___
TOTAL CREDITS		_____



NEW

BSED in Special Education VI Birth 21 Elementary Education – 4-8 Mathematics & Science

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CERTIFICATION COURSES

Professional Courses 9 S.H.		
a. ELU 212 Teaching Diverse Learners at Mid. Level	3	
b. LLT 321 Technologies for the 21 st Century Educator	3	II.D
c. EDU 326 Intro. To Middle level Educ.	3	
Natural Sciences 21 S.H.		
a. CHM 20 Introduction to Chemistry (lab)	3	
b. BIO 10 <u>OR</u> BIO 104	3/4	II.C.1
c. AST 20 Introductory Astronomy (lab)	3	
d. GEG 204 Meteorology	3	
e. GEL 20 Introduction to Geology (lab)	3	
f. PHY 20 Introduction to Physics (lab)	3	
g. BIO 130 Environmental Issues: Global Perspectives	3	
Mathematics 21 S.H.		
a. MAT 103 Fundamentals of Math I	3	II.C.2
b. MAT 104 Fundamentals of Math II	3	II.C.3
c. MAT 40 Geometry	3	
d. MAT 105 College Algebra	3	
e. MAT 122 Applied Calculus	3	
f. MAT 140 Applied Stat Methods	3	
g. MAT-Select One MAT 106 Trigonometry MAT 115 Pre-Calculus MAT 123 Discrete Math	3	
English/Language Arts & Reading 15 S.H.		
a. ENG 23, 24 or 25	3	II.A.1
b. ENG 100 Principles of Literacy Analysis	3	II.A.2
c. COM 10 Fundamentals of Oral Communication	3	II.A.3
d. ENG 10 or any literature course	3	II.D
e. ELU 221 Lit. for Upper Elem. & Mid. Level Learners	3	
Social Studies (Choose one from each line) 12 S.H.		
a. American History – HIS 25 or HIS 26	3	II.B
b. World History – HIS 14 or HIS 15	3	II.D
c. Economics – ECO 10, ECO 11 or ECO 12	3	II.B
d. Geography – Select One GEG 10 GEG 20 GEG 101	3	II.B

CLINICAL COMPONENT (15 S.H.)

A. Professional Semester – Candidacy Required		
ELU 346 Middle Level Cognitive Development	3	
ELU 347 Teach. & Assess. Math for Mid. Level Learner	3	
EEU 349 Teach. & Assess. Sci. for Mid. Level Learners	3	
B. Clinical Experience Candidacy Required		
ELU 392/393 Clinical Experience with Mid. Lev. Learners	6	

Visual Impairment Courses (36 credits)

SPU 101 Early Intervention for Students with Disabilities	3	
SPU 200 Reading, Writing, and Teaching Unified English Braille	3	
SPU 201 Cognitive Development of Diverse Learners in a Standards Aligned System	3	
SPU 202 Orientation and Mobility for Teachers of Students with Visual Impairments, including Deafblindness	3	
SPU 316 Literacy Development and Instruction in Core and Intervention Areas	3	
SPU 302 Adapting Materials & Methods of Instruction and Evaluation for Teaching Students with Visual Impairments	3	
SPU 330 Teaching Students with Low Incidence Disabilities	3	
TRIO		
SPU 204 Anatomy of the Eye and related Assessment of Students with Visual Impairments	3	
SPU 221 Assessment for Students with Visual Impairments	3	
SPU 300 Reading, Writing, and Teaching Literary Braille, Nemeth Mathematics Code, and Other Braille Codes	3	
Clinical Experience Candidacy Required		
SPU 390/391 Clinical Experience VI B-21	6	

Non Directed Gen Ed (6 credits)

FYS 101 First year seminar	3	I.
	3	II.A.4

Special Education: Visual Impairment: Birth-21
Suggested Course Sequence
Effective Fall 2018 freshman class
4-8 Math/Science

First Semester

*#SPU 201
+CMP 100
+MAT 103
BIO 010/011
FYS 100

Second Semester

*#SPU 101
+MAT 104
HIS 025/026
SCIENCE ELECTIVE
+ENG Literature
COM 010

Third Semester

*#SPU 200
*#SPU 202
MAT 040
GEG/ECO
Science Elective
Math 105 or 115

Fourth Semester

*#SPU 204
*#SPU 221
*#SPU 300
*#ELU 212
AST/CHM/GEL
MAT 106 or 140

SPU 204, 221, & 300 must be taken as a block

Refer to actual grid for course titles

Special Education courses should be taken as detailed above

Fifth Semester

SCIENCE ELECTIVE
*#^SPU 302
SCIENCE ELECTIVE
MAT 122 or 181
EDU 326
HIS/POL

Sixth Semester

MAT 140 or 182
*#LLT 321
*#^SPU 316
SCIENCE ELECTIVE
PHI 015
SPU 333

Seventh Semester (Professional Semester)

*#^ELU 349
*#^ELU 346
*#^ELU 347
*#^SPU 330

Eighth Semester

#^Clinical Experience

+ These courses must be completed with a "C" grade or better by 48 credits.

These courses must be completed with a "C" grade or better.

* These courses must be completed prior to clinical experience.

^ These courses require teacher candidacy.