Mathematics

Bachelor of Science in Education: Secondary Education/Special Education

Program Code: UCOESEUSMT Version Number: 2118-Fall 2011 Program Effective: August 29, 2011 Credit Total: 141

	GENERAL EDUCATION		
I. Ur	iversity Core: 12 S.H.	GR.	S.H.
a.	Oral Communication: COM 010 or above		3
b.	Written Communication: ENG 023, 024 or 025 ◆		3
C.	Mathematics: MAT 017 or above ◆		3
d.	Wellness: Any 3 credit HEA course		3

II. Un	iversity Distribution: 15 S.H.	GR.	S.H.
a.	Natural Sciences: Any lab or non-lab course with prefix AST, BIO, CHM, ENV, GEL, MAR, NSE or PHY; or certain GEG courses with advisement		#
b.	Social Sciences: Any course with prefix ANT, CRJ, ECO, HIS, MCS, POL, PSY, SOC, SSE or SWK; or certain GEG courses with advisement		3
C.	Humanities: Any course with prefix ENG, HUM, PAG, PHI, WGS, WRI, or Modern Language ENG 010 or higher (English Literature) (suggested) •		3
d.	Arts: Any course prefix ARC, ARH, ART, CDE, CDH, CFT, DAN, FAR, FAS, MUP, MUS, or THE		3
e.	Free Elective: Any course carrying university credit		3

IV. College Distribution: 21 S.H.	GR.	S.H.		
a. Math: MAT 017 or above ◆		#		
b. Special Education: SPU 201 Cognitive		3		
Development				
c. Technology: ITC 321 Instructional		3		
Technology in Education				
 d. 12 credits required by major but fulfilling 				
General Education requirements				
COURSE: MAT 220 (suggested)		#		
COURSE: MAT 240 (suggested)		#		
COURSE: MAT 301 (suggested)		#		
COURSE: MAT 302 (suggested)		#		

III. Competencies Across the Curriculum	S.H.	
A. Writing Intensive (WI) (9 credits/3 three credit courses)		
COURSE: SEU 312		
COURSE: SEU 342	9	
COURSE: SEU 321-325, 410		
B. Quantitative Literacy (QL) (3 credits) OR		
Computer Intensive (CP) (3 credits)		
COURSE: ITC 321		
c. Visual Literacy (VL) (3 credits) OR		
Communication Intensive (CM) (3 credits)		
COURSE: SEU 342	3	
D. Cultural Diversity (CD) (3 credits)		
COURSE: SEU 312	3	
E. Critical Thinking (CT) (3 credits)		
COURSE: EDU 100	3	

VI. Clinical Component: 39 S.H.	GR.	S.H.
EDU 100 Perspectives on American Education		3
SPU 201 Cognitive Development of Diverse		3
Learners in a Standards Aligned System #		3
SPU 314 Effective Instructional Strategies		
for Students with Disabilities in		3
Inclusive Settings		
¹ SEU 312 Principles of Learning		3
¹ SEU 313 Principles of Learning Clinical Lab		3
(must be taken with accompanying lecture-SEU 312)		3
¹ SEU 342 Principles of Teaching		3
¹ SEU 343 Principles of Teaching Clinical Lab		3
(must be taken with accompanying lecture-SEU 342)		<u> </u>
EDU 326 Introduction to Middle Level Education		3
¹ SEU 323 Methods of Teaching Secondary		3
School Subject: Mathematics		3
SEU 390/391 Clinical Experience and Practicum		12
I and II		12
	Total	·

Teacher Candidacy must be achieved for these courses and a minimum grade of B- is required.

TEACHER CANDIDACY REQUIREMENTS

Requirements must be met upon reaching 48 credit hours
Required Basic Skills Assessment
Required Grade Point Average
C or better in ENG 023 or 025
C or better in ENG literature course
C or better in two mathematics courses
Completion of Education Exploration hours

♦ These courses require a grade of "C" or better

B.S. in Secondary Education/Special Education – Mathematics Program Code: UCOESEUSMT Version Number: 2118-Fall 2011

٧. ۶	SPECIALIZATION: 51 S.H.		
1.	Required Courses: 36 S.H.	GR.	S.H.
	CSC 135 Computer Science I		3
	MAT 181 Calculus I #		4
	MAT 182 Calculus II #		4
	MAT 220 History of Mathematics #		3
	MAT 224 Foundations of Higher Mathematics		3
	MAT 240 Synthetic Geometry #		3
	MAT 260 Linear Algebra		3
	MAT 283 Calculus III		4
	MAT 301 Probability and Statistics I #		3
	MAT 302 Probability and Statistics II #		3
	MAT 311 Abstract Algebra I		3
		Total	
2.	Electives: 3 S.H. (selected from below)		
	MAT 312 Abstract Algebra II		3
	MAT 351 Advanced Calculus I		3
		Total	
4.	Mathematics: 12 S. H.		
	ect either four MAT courses (303 or higher) OR one CSC course (136 or higher) and th T courses (303 or higher):	ree	
			3
			3
			3
			3
		Total	

Courses cross-list with General Education

A. Special Education Certification Courses: 27 S.H.	
SPU 201 Cognitive Development of Diverse Learners in a Standards-Aligned System	#
SPU 313 Assessment and Instructional Methods for Secondary Students with Disabilities	3
SPU 315 Building Collaborative Networks to Support Secondary Students with Disabilities or SPU 314	#
Effective Instructional Strategies for Students with Disabilities in Inclusive Settings	
SPU 316 Literacy Development and Instruction in Core and Intervention Areas	3
SPU 320 Special Education Processes and IEP Development	3
SPU 322 Teaching Students with High Incidence Disabilities	3
SPU 327 Secondary Special Education Transition Services	3
SPU 328 Positive Behavioral Intervention & Supports	3
SPU 330 Teaching Students with Low Incidence Disabilities	3

Program:	BSED SEU/SPU/MATHEMATICS					
		FIR	ST	YEAR		
	Fall Semester		<u> </u>	I	Spring Semester	
Course	Title	C.H.		Course	Title	C.H.
		· · · ·			Effective Instructional Strategies for Students with Disabilities in Inclusive	
EDU 100CT	Perspectives on American Education	3		SPU 314	Settings	;
	Cognitive Development of Diverse Learners in a Standards Aligned				General Education Requirement (Wellness, Social Sciences, Natural	
SPU 201	System	3			Sciences, or Arts) Mathematics General Education	3 or 4
COM 010	Fundamentals of Oral Communication	3		MAT 017 or above	Requirement	3 or 4
ENG 23, 24 or 25	College Composition	3			ENG Literature Course (Humanities General Education Requirement)	
MAT 047 on ob ove	Mathematics General Education	3 or 4			MAT Demained Course	2
MAT 017 or above	Requirement MAT Required Course	3 or 4			MAT Required Course MAT Required Course	3 or 4
Total	·	18 or 20		Total		18 or 2
Total		10 01 20		Total		10 01 2
	F-11 0 (SECO	NC	D YEAR	Ourier Ourses (au	
Course	Fall Semester Title	C.H.		Course	Spring Semester Title	C.H.
Course	riue	∪.П.		course	riae	С.П.
ITC 321CPVL	Instructional Technology in Education	3		SPU 318	Assessment and Instructional Methods for Students with Disabilities	3
IIC 321CFVL	Literacy Development and Instruction	3		370 316	General Education Requirement	,
SPU 316	in Core and Intervention Areas (Free Elective)	3			(Wellness, Social Sciences, Natural Sciences, or Arts)	3 or 4
0.00.0	General Education Requirement				General Education Requirement	001
l	(Wellness, Social Sciences, Natural Sciences, or Arts)	3 or 4			(Wellness, Social Sciences, Natural Sciences, or Arts)	3 or 4
	MAT Required Course	3 or 4			MAT Required Course	3 or 4
	MAT Required Course	3 or 4			MAT Required Course	3 or 4
	MAT Required Course	3 or 4			MAT Required Course	3 or 4
Total		18 or 22		Total		18 or 23
		TUII	DD	YEAR		
	Fall Semester			ILAN	Spring Semester	
Course	Title	C.H.		Course	Title	C.H.
SEU 312WICD	Principles of Learning	3		SEU 342WIVL	Principles of Teaching	1
SEU 313	Principles of Learning Clinical Component	3		SEU 343	Principles of Teaching Clinical Component	,
	Teaching Students with Low				Positive Behavioral Intervention and	
SPU 330	Incidence Disabilities General Education Requirement	3		SPU 328	Supports	;
l	(Wellness, Social Sciences, Natural	0 4			MAT De maior I Common	
	Sciences, or Arts) MAT Required Course	3 or 4 3 or 4			MAT Required Course MAT Required Course	3 or 4
<u> </u>	MAT Required Course	3 or 4			MAT Required Course	3 or 4
Total		18 or 21		Total		18 or 2°
	1					1
	Fall Samastar	FOU	RT	H YEAR	Spring Somostor	
Course	Fall Semester Title	C.H.		Course	Spring Semester Title	C.H.
	Methods of Teaching Secondary			SEU 390 or		J., 1.
SEU 323WI	School Subject: Mathematics Intensive Reading, Writing, and	3		SPU 392	Clinical Experience & Practicum I	
0011047	Mathematical Intervention			SEU 391 or	Olimbari Francisco a S. S. S. S.	
SPU 317	Approaches Special Education Processes and IEP	3		SPU 393	Clinical Experience & Practicum II	1
SPU 320CT	Development Teaching Students with High	3				
SPU 322	Incidence Disabilities	3				
0. 0 322	Introduction to Middle Level	آ ا				
EDU 326	Education	3				
	MAT Required Course	3 or 4				