

**University of Arkansas at Pine Bluff
School of Arts and Sciences
DEGREE PLAN
MATHEMATICS EDUCATION**

NAME _____ STUDENT # _____ DATE _____

LOCAL ADDRESS _____ CITY _____ STATE _____ PHONE _____

PERMANENT ADDRESS _____ CITY _____ STATE _____ PHONE (____) _____

TESTS:
THE PRAXIS SERIES: PRAXIS I: PPST: WRITING _____ MATH _____ READING _____ NOT TAKEN _____

PRAXIS II: CONTENT KNOWLEDGE _____ PROOFS/MODELS/PROBLEMS PART I _____ PEDAGOGY _____

RISING JUNIOR _____ TRANSFER CREDIT: _____ ADMISSION APPLICATION ON FILE? YES _____ NO _____

AREA OF SPECIALIZATION

Semester		Semester
Grade	<u>FRESHMAN STUDIES (3 HRS.)</u>	Grade
_____	BAS 1210 Personal & Social Development	_____
_____	BAS 1120 Career & Life Planning	_____
	<u>COMMUNICATIONS (12 HRS.)</u>	_____
_____	ENGL 1311 English Composition I	_____
_____	ENGL 1321 English Composition II	_____
_____	SPCH 2390 Oral Communications	EDU _____
	ENGL Elective - 3 hrs. (<i>Select from courses below</i>):	_____
_____	2300 Introduction to Literature	EDU _____
_____	2360 World Literature I	_____
_____	2361 World Literature II	_____
	<u>HEALTH & PHYSICAL EDUCATION (6 HRS.)</u>	_____
_____	HLPE 1110-1117 (<i>ONE</i>) Physical Education	_____
_____	HLPE 1310 Personal Health & Safety	_____
_____	HLPE 3224 or 3225 Health or Safety Educ.	_____
	<u>NATURAL SCIENCES (12 HRS.)</u>	_____
_____	CHEM 1430 General Chemistry	_____
_____	BIOL 1450 Biological Science	_____
_____	PHYS 2410 General Physics I	_____
	<u>SOCIAL SCIENCES (9 HRS.)</u>	_____
_____	SOCI 1320 Intro. To Social Science	_____
_____	PSCI 2312 American Government	_____
_____	HIST 2315 or 2318 U. S. History	_____
	<u>HUMANITIES (6 HRS.)</u>	_____
_____	HUMN 2301 Humanities	_____
_____	HUMN Electives - 3 hrs. (<i>Select from music or art</i>) <i>Music Appre. 2330 -or- Art History/Apprec 2340</i>	_____
	<u>EDUCATIONAL ASSESSMENT (26 HRS.)</u>	_____
_____	EDUC 1300 Foundation & Development of Amer. Educ.	_____
_____	SPED 2300 Survey of Exceptional Child	_____
_____	EDUC 2309 Instructional Media & Technology	_____
_____	MLED 3301 Adolescent Development	_____
_____	MLED 3302 Psychology of Learning & Teaching	_____
_____	MLED 3303 Classroom & Behavior Management	_____
_____	EDUC 3235 Education / Cultural / Diversity	_____
_____	EDUC 3366 Assessing Middle / Secondary / Learners	_____
_____	EDUC 4304 General Methods	_____
	<u>PROFESSIONAL SEMESTER (12 HRS.)</u>	_____
_____	EDUC 4600 Student Teaching - Clinical	_____
_____	EDUC 4602 Student Teaching / Practicum / Math	_____
	<u>SPECIALIZATION (34 HRS.)</u>	_____
_____	MATH 2370 Introduction to Statistics (3 hrs.)	_____
_____	MATH 2510 Calculus I (5 hrs.)	_____
_____	MATH 2520 Calculus II (5 hrs.)	_____
_____	MATH 3300 Selected Topics (3 hrs.)	_____
_____	MATH 3311 Linear Algebra (3 hrs.)	_____
_____	MATH 3331 Multi-variable Calculus (3 hrs.)	_____
_____	MATH 3350 College Geometry (3 hrs.)	_____
_____	MATH 3390 Discrete Math (3 hrs.)	_____
_____	MATH 4300 Modern Algebra I (3 hrs.)	_____
_____	MATH 4399 History of Mathematics (3 hrs.)	_____
	<u>COMPUTER SCIENCE (6 HRS.)</u>	_____
_____	CPSC 3172 Numerical Solutions Lab	_____
_____	CPSC 3271 Numerical Solutions	_____
_____	CPSC Electives - 3 hrs. (<i>Select from the following courses</i>):	_____
_____	2363 Introduction to Business Programming	_____
_____	Other Computer Programming Courses	_____

SCHOOL OF EDUCATION EXAMS:

2.50 GPA and PASSAGE OF PRAXIS I - Minimum Scores
(Reading: 172, Writing: 173, Math: 171)

OTHER EXAMS: PRAXIS II (Prin.of Learning & Teaching;
MATH - Content - Proofs, Models & Problems - Pedagogy)

A MINIMUM OF 126 HOURS REQUIRED FOR GRADUATION

STUDENT _____ DATE _____

ADVISOR _____ DATE _____

CHAIRPERSON _____ DATE _____

DEAN _____ DATE _____

Electives must be selected from respective preferred lists.

Curriculum for Bachelor of Science

in Mathematics Option II (Teaching)

FALL SEMESTER			SPRING SEMESTER		
FRESHMAN YEAR					
English Composition I	ENGL 1311	3	English Composition II	ENGL 1321	3
Calculus I	MATH 2510	5	Calculus II	MATH 2520	5
Personal & Social Development	BAS 1210	2	Personal Health & Safety	HLPE 1310	3
Physical Education	HLPE 1110-1117	1	Career & Life Planning	BAS 1120	1
Intro. To Social Science	SOCI 1320	3	Biological Science	BIOL 1450	4
Humanities Elective		3	Humanities	HUMN 2301	3
<i>ART Apprec. 2340 or Music Apprec. 2330</i>					
Founda. & Devlpmt.of Amer.Educ.	EDUC 1300	3			19
		20			
SOPHOMORE YEAR					
Survey of Exceptional Children	SPED 2300	3	Health	HLPE 3213	2
Intro. To Statistics	MATH 2370	3	U. S. History since 1865	HIST 2318	3
General Physics I	PHYS 2410	4	College Geometry	MATH 3350	3
American Government	PSCI 2312	3	Education for Cultural Diversity	EDUC 3235	2
Computer Science Elective		3	Oral Communications	SPCH 2390	3
English Elective		3			
		19			13
JUNIOR YEAR					
Instructional Media and Technology	EDUC 2309	3	Selected Topics	MATH 3300	3
Multi-Variable Calculus	MATH 3331	3	Psychology/Teach/Adolescent Learners	MLED 3302	3
Adolescent Development	MLED 3301	3	Discrete Mathematics	MATH 3390	3
General Chemistry	CHEM 1430	4	Numerical Solutions	CPSC 3271	2
Assessing Middle/Sec Learners	EDUC 3366	3	Numerical Solutions - LAB	CPSC 3172	1
		16			12
SENIOR YEAR					
General Methods	EDUC 4304	3	Student Teaching: Clinical	EDUC 4600	6
Linear Algebra	MATH 3311	3	Student Teaching: Practicum	EDUC 4602	6
Modern Algebra I	MATH 4300	3			12
History of Mathematics	MATH 4399	3			
Classroom and Behavior Management	MLED 3303	3			
		15			