

PARADIGM
PROGRAM OF STUDY FOR MATHEMATICS-MATHEMATICS EDUCATION
MAJORS

FRESHMAN YEAR

Fall Semester				Spring Semester			
FYA	101	Orientation to the Academy	1__	EN	102	English Composition II	3__
EN	101	English Composition I	3__	SPE	111	Fundamentals of Speech	3__
HI	101	World Civilization	3__	CIS	290	Intro to Computer Programming	4__
MA	101	Intermediate Algebra	3__	MA	110	Pre-Calculus I	3__
RE	211	Survey of World Religion	3__	ED	209	Introduction to Teaching #	3__
SS	101	African American Experience	3__				
PE	101-119	Physical Education	1__				
			17				16

SOPHOMORE YEAR

Fall Semester				Spring Semester			
PSY	301	Educational Psychology#	3__	MA	316	Fund Concepts of Algebra	3__
PH	301	College Physics I	3__	PH	302	College Physics II	3__
PH	301L	College Physics I Lab	1__	PH	302L	College Physics II Lab	1__
MA	111	Pre-Calculus II	3__	ED	300	Technology for Teachers#	3__
ED	350	Foundations of Education#	3__	ED	319	Educ of the Exceptional Child#	3__
MA	201	Analytic Geometry and Cal I	4__	MA	202	Analytic Geometry and Cal II	4__
			17				17

JUNIOR YEAR

Fall Semester				Spring Semester			
FL	101	(French or Spanish or Arabic)	3__	FL	102	(French or Spanish or Arabic)	3__
MA	203	Analytic Geometry and Cal III	4__	MA	318	Statistical Inference	3__
MA	308	Differential Equations	3__	MA	324	Discrete Mathematics	3__
MA	311	Linear Algebra	3__	MA	319	Fund Concepts of Geometry	3__
MA	317	Probability and Statistics	3__	MA	351	Numerical Analysis I	3__
ED	412	Reading in the Content Areas	3__	ED	445	Eval and Measurement in Educ	3__
			19				18

SENIOR YEAR

Fall Semester				Spring Semester			
MA	421	Abstract Algebra	3__	ED	450	Observation and Teaching	12__
ED	448	Classroom Management	3__	ED	449	Senior Seminar	1__
MA	403	Advanced Calculus	3__	MA	449	Senior Seminar	1__
MA	450	Research	3__				
MA	315	Theory of Numbers	3__				
ED	400	Mat and Meth of Teach Sec Sub	2__				
ED	420	Mat and Meth of Teach Math	1__				
			18				14

Total Hours: 136

Required before entry into TEP