ORAL ROBERTS UNIVERSITY
DEGREE: Bachelor of Science
MAJOR: Mathematics Education (MATE)

DEGREE PLAN SHEET 2013-2014
College of Science and Engineering
in cooperation with
the College of Education

TOTAL HOURS REQUIRED 130.5
Hours in general education 54.5
Hours in major 47
Hours in professional education 26

Name _____
Z No. _____   Date _____
Telephone _____   Email _____
Advisor _____

SEMESTER TAKEN	COURSE CODE		COURSE TITLE	CREDIT HOURS	SEMESTER TAKEN	COURSE CODE		COURSE TITLE	CREDIT HOURS
			FRESHMAN Semester 1					**FRESHMAN Semester 2**	
_____	PED	203	Foundation and Methods of Education	3	_____	COM	101	Oral Communication	3
_____	PED	121	Field-Based Experience/Practicum (Secondary)	1	_____	GOV	101	American Government	3
_____F	THE	103	Spirit-Empowered Living	3	_____S	HUM	____	Humanities Elective	3
_____	COMP	102	Reading and Writing in Liberal Arts	3	_____	MAT	202	Calculus II	4
_____	MAT	201	Calculus I	4	_____	____	____	Laboratory Science (Physical)	4
_____	HPE	001	Health Fitness I	1	_____	HPE	002	Health Fitness II	1
_____	HPE	____	Swimming Proficiency	0	_____	PRF	001	Language proficiency	0
_____	PED	100	Education Seminar	0	_____	PED	100	Education Seminar	0
_____	HUM	103	Christian Worldview and Culture	3					18
_____	GEN	099	Whole Person Assessment	0					
				18					

☐ Language 102 or Proficiency for Level 102 before PED Interview

SEMESTER TAKEN	COURSE CODE		COURSE TITLE	CREDIT HOURS	SEMESTER TAKEN	COURSE CODE		COURSE TITLE	CREDIT HOURS
			SOPHOMORE Semester 3					**SOPHOMORE Semester 4**	
_____F	HUM	____	Humanities Elective	3	_____	MAT	321	Calculus of Functions of Several Variables	4
_____	MAT	207	Discrete Mathematics	3	_____S	HUM	____	Humanities Elective	3
_____	____	____	Laboratory Science (Biological)	4	_____	CSC	255	Data Structures	3
_____F	BLIT	110	Survey of Old Testament Literature	3	_____S	BLIT	120	Survey of New Testament Literature	3
_____	HPE	007	HPE Basic First Aid/CPR	0.5	_____	HPE	____	Beginning Swimming or HPE Activity	0.5
_____	CSC	111	Introduction to Computing	3	_____	MAT	312	Linear and Matrix Algebra	3
_____	PED	100	Education Seminar	0	_____	PED	100	Education Seminar	0
				16.5					16.5

☐ Pass Oklahoma General Education Test (OGET) before PED interview

SEMESTER TAKEN	COURSE CODE		COURSE TITLE	CREDIT HOURS	SEMESTER TAKEN	COURSE CODE		COURSE TITLE	CREDIT HOURS
			JUNIOR Semester 5					**JUNIOR Semester 6**	
_____	MAT	325	Probability and Statistics	3	_____	MAT	315	History of Mathematics	3
_____F	MAT	221	Mathematics Concepts I	3	_____	MAT	428	Secondary Methods: Mathematics	3
_____	MAT	____	Mathematics Elective	3	_____S	MAT	211	Differential Equations	3
_____	MAT	451	Math Education Internship	2	_____S	PED	306	Pedagogy II	4
_____	HIS	101	American History Survey	3	_____	____	____	Elective	3
_____	HPE	____	HPE Activity	0.5	_____	HPE	____	HPE Activity	0.5
_____F	PED	305	Pedagaogy I	4	_____	PED	100	Education Seminar	0
_____	PED	100	Education Seminar	0					16.5
				18.5					

☐ Portfolio Review—Phase I   (PEP Interview)   ☐ Portfolio Review—Phase II (OSAT required)

SEMESTER TAKEN	COURSE CODE		COURSE TITLE	CREDIT HOURS	SEMESTER TAKEN	COURSE CODE		COURSE TITLE	CREDIT HOURS
			SENIOR Semester 7					**SENIOR Semester 8**	
_____	MAT	106	Trigonometry	3	_____	PED	485	Intern/Student Teaching (7-9)	5
_____	MAT	401	Higher Algebra	3	_____	PED	495	Intern/Student Teaching (10-12)	5
_____F	MAT	313	College Geometry*	3	_____	PED	361*	Professional Education Seminar/Portfolio	0
_____	SOC	323	Child and Family in the Social Context	3	_____	PED	100	Education Seminar	0
_____F	PED	222	School Health Care	1					10
_____	COMP	303	Critical Reading and Writing	3					
_____	HPE	____	HPE Activity	0.5					
_____	PED	100	Education Seminar	0					
				16.5					

*If receiving financial aid, full-time status is required; therefore, you must choose
1 credit hour option for PED 361 plus an HPE activity course.

*Offered only in odd-numbered years

☐ Portfolio Review—Phase III (OPTE required)

F (Fall only)
S (Spring only)

_____   _____
Student's Signature   Date   Advisor's Signature   Date

Approved: _____

B.S. in Mathematics Education 2013-2014
School Teaching Licensure

General Education			Hours Required for Degree
COMP	102/303	English	6
COM	101	Oral Communication	3
HUM	103/____	Christian Worldview and Culture and 3 Humanities electives	12
	____/____		
BLIT	110	Survey of Old Testament Literature	3
BLIT	120	Survey of New Testament Literature	3
THE	103	Spirit Empowered Living	3
____	____	Laboratory Science (Biological)	4
____	____	Laboratory Science (Physical)	4
SOC	323	Child and Family in the Social Context	3
HIS	101	American History	3
GOV	101	American Government	3
MAT	106	Trigonometry	3
HPE	____	Health, Physical Education, Recreation (HPE I & II, First Aid & CPR, swimming proficiency and 4 activity courses)	4.5
PRF	001	Foreign Language Proficiency or 101 and 102 level course	0
GEN	099	Whole Person Assessment	0
		General Education Total	**54.5**

Major			
MAT	201	Calculus I	4
MAT	202	Calculus II	4
MAT	207	Discrete Mathematics (Prerequisite 201) (F)	3
MAT	211	Differential Equations (S)	3
MAT	221	Mathematics Concepts I	3
MAT	312	Linear and Matrix Algebra (S)	3
MAT	313	College Geometry (F)	3
MAT	321	Calculus of Functions of Several Variables	4
MAT	325	Probability and Statistics (S)	3
MAT	401	Higher Algebra	3
		Math Elective (choose one of these):	3
		MAT 318 Elementary Number Theory	
		MAT 421 Advanced Calculus	
MAT	315	History of Mathematics	3
		Major Total	**39**

Cognate			
CSC	111	Introduction to Computing	3
CSC	255	Data Structures	3
MAT	451	Math Education Internship	2
		Cognate Total	**8**

Professional Education			
PED	100	Education Seminar (every semester)	0
PED	121	Field Based Experience/Practicum	1
PED	203	Foundations and Methods of Education	3
PED	222	School Health Care	1
PED	305	Pedagogy I	4
PED	306	Pedagogy II	4
PED	361	Professional Education Seminar/Portfolio	0
MAT	428	Secondary Methods (Mathematics)	3
PED	485	Intern/Student Teaching (7-9)	5
PED	495	Intern/Student Teaching (10-12)	5
		Professional Education Total	**26**
____	____	Elective	3
		Degree Total	**130.5**