

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

DEGREE PLAN SHEET 2011-2012
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
_____	MAT 114	Math Analysis II	3	_____S	HUM _____	Humanitas Elective	3
_____	COMP 102	Reading and Writing in Liberal Arts	3	_____	MAT 201	Calculus I	4
_____	CSC 111	Introduction to Computing	3	_____	CSC 255	Data Structures	3
_____	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
_____F	HUM 101	Humanitas	3				17
_____	GEN 099	Whole Person Assessment	0				
			17				

☐ Language 102 or Proficiency for Level 102 before PED Interview

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

SOPHOMORE Semester 3				SOPHOMORE Semester 4			
_____F	HUM _____	Humanitas Elective	3	_____	MAT 321	Calculus of Functions of Several Variables	4
_____	MAT 202	Calculus II	4	_____S	HUM _____	Humanitas Elective	3
_____		Laboratory Science (Biological)	4	_____		Laboratory Science (Physical)	4
_____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
_____	MAT 221	Mathematics Concepts I	3	_____	MAT 211	Differential Equations	3
_____	PED 100	Education Seminar	0	_____	PED 100	Education Seminar	0
			17.5				17.5

☐ Portfolio Review--Phase I

JUNIOR Semester 5				JUNIOR Semester 6			
_____	MAT 325	Probability and Statistics	3	_____	MAT 315	History of Mathematics	3
_____F	MAT 207	Discrete Mathematics	3	_____	MAT 428	Secondary Methods: Mathematics	3
_____F	THE 103	Spirit Empowered Living	3	_____S	MAT 312	Linear and Matrix Algebra	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	Pedagogy I	4	_____	PED 100	Education Seminar	0
_____	PED 100	Education Seminar	0				16.5
			18.5				

☐ Portfolio Review--Phase II

SENIOR Semester 7				SENIOR Semester 8			
_____	MAT _____	Mathematics Elective	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				

*Offered only in odd-numbered years

☐ Portfolio Review--Phase III

F (Fall only)
S (Spring only)

Student's Signature _____ Date _____

Advisor's Signature _____ Date _____

Approved: _____

**B. S. in Mathematics Education
School Teaching Licensure**

2011-2012

			Hours Required for Degree
<u>General Education</u>			
COMP 102/303	English		6
COM 101	Oral Communication		3
HUM 101/____ ____/____	Humanitas and Humanitas 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 114	Math Analysis II		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
<u>Major</u>			
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
<u>Cognate</u>			
CSC 111	Introduction to Computing		3
CSC 255	Data Structures		3
MAT 451	Math Education Internship		2
Cognate Total			8
<u>Professional Education</u>			
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