

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 |
| _____F | 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

| | | | | | | | |
|-----------------------------|-----------|------------------------------------|------|-----------------------------|-----------|--|------|
| 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

| | | | | | | | |
|--------------------------|-----------|----------------------------|------|--------------------------|-----------|--------------------------------|------|
| 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 | Pedagogy 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)

| | | | | | | | |
|--------------------------|-----------|--|------|--------------------------|----------|--|----|
| 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 | | | | |

*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

| | | | Hours Required for Degree |
|--------------------------------------|--|--|--------------------------------------|
| <u>General Education</u> | | | |
| 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 |
| <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 |