

Mathematics Education, Secondary

Bachelor of Science in Education

DEGREE PLAN

Common Core for Math Education 41 Hours

CORNERSTONE 1

EDUC 1051	Cornerstone of Teacher Education	1
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BIBLICAL LITERACY — SELECT TWO COURSES 6

REL 1013	Old Testament History and Literature	3
REL 1023	New Testament History and Literature	3
REL 3073	Biblical Ethics	3

WRITING AND LITERATURE 6

ENGL 1153	English Composition: Exposition and Argument	3
ENGL 1163	English: Composition and Classical Literature	3

SCIENTIFIC LITERACY — SELECT ONE COURSE 4-5

CHEM 1054	Introduction to Chemistry I	4
CHEM 1105	General Chemistry I	5
GNSC 1114	Issues in Physical Science	4
PHYS 2414	College Physics I	4
PHYS 2515	University Physics I	5

WELLNESS AND LIFELONG FITNESS 2

PHED	Activity Course	1
PHED 1001	The Wellness Lifestyle (Concepts in Fitness)	1

HISTORY AND LITERATURE 12

ENGL 2013	European Civilization: Literature	3
and HIST 2013	European Civilization: History	3

SELECT ONE PAIR

ENGL 2023	Modern West: Literature	3
and HIST 2023	Modern West: History	3

ENGL 2033	World Civilizations: Literature	3
and HIST 2033	World Civilizations: History	3

FINE ARTS — SELECT ONE COURSE 3

FNAR 2063	Arts and Western Culture	3
FNAR 2163	Arts and Ideas	3

MODERN FOREIGN LANGUAGES & MULTICULTURAL EXPERIENCE † 6

—	Modern Foreign Language Course	3
—	Modern Foreign Language Course	3

Flex Core 15-16 Hours

COMS 1092	Introduction to Speech Communication	2
MATH 2003	Basic Statistics	3

SELECT ONE COURSE

ECON 1203	Introduction to Economics	3
POLI 1223	American National Government	3
PSYC 1223	Introduction to Psychology	3

SELECT ONE COURSE

BISS 1103	Fluency in Information Technology	3
CIS 2703	Computer Science I	3

SELECT ONE COURSE NOT USED IN COMMON CORE

CHEM 1115	General Chemistry II	5
GNSC 1114	Issues in Physical Science	4
GNSC 1124	Issues in Biology	4
PHYS 2414	College Physics I	4
PHYS 2424	College Physics II	4

Mathematics Education, Secondary 36-37 Hours

AREA OF SPECIALIZATION 36-37

MATH 2013	Analytic Geometry and Calculus I	3
MATH 2023	Analytic Geometry and Calculus II	3
MATH 2033	Analytic Geometry and Calculus III	3
MATH 2043	Analytic Geometry and Calculus IV	3
MATH 2103	Discrete Mathematics (CIS 2103)	3
MATH 3133	Modern Geometry	3
MATH 3203	Linear Algebra	3
MATH 3243	Differential Equations	3
MATH 4113	History and Foundations of Mathematics (MATH Capstone Course)	3
MATH 4133	Introduction to Modern Algebra	3
MATH 4409	Senior Mathematics Seminar	0-1

SELECT ONE COURSE

MATH 4103	Introduction to Real Analysis	3
MATH 4183	Numerical Analysis/Computational Physics (PHYS 4183)	3

SELECT THREE CREDIT HOURS

MATH 3013	Introduction to Probability and Statistics	3
MATH 4123	Introduction to Complex Variables	3
MATH 4329	Advanced Topics in Mathematics	1-4
MATH 4999	Independent Study in Mathematics	1-4

Professional Education 32

EDUC 2012	Foundations of Education	2
EDUC 3013	Human Development	3
EDUC 3203	Educational Psychology (PSYC 3203)	3
EDUC 3502	Principles of Middle School Education	2
EDUC 3601	Models of Classroom Disciplines	1
EDUC 3702	Classroom Management P-12	2
EDUC 3983	Special Methods of Teaching, Secondary	3
EDUC 4538	Student Teaching in the Secondary School	10
EDUC 4731	Instructional Strategies for Teaching Students with Exceptionalities	1
EDUC 4743	Pedagogy and Assessment Seminar	3
SPED 3022	Introduction to Exceptional Child	2

Electives 2-5 Hours

Courses selected on the basis of student interest in consultation with faculty advisor.

Total Hours

Common Core for Science Education	41
Flex Core	15-16
Mathematics Education, Secondary	36-37
Professional Education	32
Electives	2-5
Total hours required for graduation	128

† All students must take two sequential courses of the same language at the appropriate level or an approved Multicultural Experience which includes Modern Foreign Language. For more information on these requirements, visit okbu.edu/catalog/foreign-language.

No D's will be accepted in the area of concentration and the supportive courses or in courses comprising majors and minors.

Program must include at least 39 hours of courses at the 3000-4000 level.