

Mathematics

Bachelor of Science

DEGREE PLAN

Common Core for Mathematics 41-43 Hours

CORNERSTONE 1

GNSC 1201	Cornerstone of Science	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 OPTION 5-7

CHEM 1054	Introduction to Chemistry I	4
and CHEM 1063	Introduction to Chemistry II	3
CHEM 1105	General Chemistry 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 17-19 Hours

COMS 1092	Introduction to Speech Communication	2
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SELECT ONE COURSE

PHIL 1043	Introduction to Philosophy	3
PHIL 1502	Critical Thinking	2

SELECT TWO COURSES

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

SELECT ONE COURSE

CIS 2703	Computer Science I	3
CIS	Programming Language above 2000 Level	3

SELECT ONE COURSE

BIOL 2354	Human Anatomy	4
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

Mathematics 42-43 Hours

MAJOR 42-43

MATH 2003	Basic Statistics	3
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 3203	Linear Algebra	3
MATH 3243	Differential Equations	3
MATH 4103	Introduction to Real Analysis	3
MATH 4113	History and Foundations of Mathematics	3
MATH 4133	Introduction to Modern Algebra	3
MATH 4409	Senior Mathematics Seminar	0-1

SELECT NINE CREDIT HOURS NOT BEING USED TO SATISFY ANOTHER REQUIREMENT

MATH 3013	Introduction to Probability and Statistics	3
MATH 3133	Modern Geometry	3
MATH 4123	Introduction to Complex Variables	3
MATH 4183	Numerical Analysis/Computational Physics (PHYS 4183)	3
MATH 4329	Advanced Topics in Mathematics	1-4
MATH 4999	Independent Study in Mathematics	1-4

Minor 18 Hours

Electives 5-10 Hours

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

Total Hours

Common Core for Mathematics	41-43
Flex Core	17-19
Mathematics	42-43
Minor	18
Electives	5-10
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.