

BACHELOR OF ARTS IN MATHEMATICS AND STATISTICS, 2022-23

For more information about policies and requirements, please see the UMKC 2022-23 Catalog.

FIRST YEAR

FALL SEMESTER	HOURS	SPRING SEMESTER	HOURS
MATH 120 Precalculus	5	MATH 210 Calculus I	4
GEFSE 101 First Semester Experience	3	ENGLISH 225 English II: Intermed Academic Prose	3
ENGLISH 110 English I: Intro to Academic Prose	3	GECRT-AH Critical Thinking in Arts & Humanities	3
GECRT-SC Critical Thinking in Natural & Physical Sciences	3	Constitution Requirement (HISTORY 101, 102, POL-SCI 210, CJC 364 or HON 230)	3
		Foreign Language Requirement (110 or higher)	3
TOTAL	14	TOTAL	16

SECOND YEAR

FALL SEMESTER	HOURS	SPRING SEMESTER	HOURS
MATH 220 Calculus II	4	MATH 250 Calculus III	4
Communication Requirement (COMM-ST 110, 140, 212 or 277)	3	MATH 301 On Solid Ground: Sets and Proof	3
GECRT-SS Critical Thinking in Social & Behavioral Sciences	3	GECUE Civic & Urban Engagement	3
GECDV Culture & Diversity	3	General Elective (STAT 235 recommended)	3
Foreign Language course (120 or higher)	3	Foreign Language course (211)	3
TOTAL	16	TOTAL	16

THIRD YEAR

FALL SEMESTER	HOURS	SPRING SEMESTER	HOURS
MATH 300 Linear Algebra I	3	MATH 410 Abstract Algebra OR STAT 441 Math Stats II (or any MATH/STAT 300/400 Level Major Elective)	3
STAT 436 Introduction to Mathematical Statistics I	3	General Elective (ECON 202*)	3
General Elective (ECON 201*)	3	General Elective (STAT 441*)	3
Lab Science**	1	General Elective (ACCTG 210*)	3
General Elective	3	General Elective	3
General Elective	3		
TOTAL	16	TOTAL	15

FOURTH YEAR

FALL SEMESTER	HOURS	SPRING SEMESTER	HOURS
MATH 420 Linear Algebra II (or MATH or STAT 300/400 Level Major Elective, if took MATH 410)	3	MATH 469 or STAT 496 (or any MATH or STAT 300/400 Level Major Elective)	3
MATH 402 Advanced Analysis I	3	300/400 Level WI Writing Intensive course (MATH 464WI recommended)	3
MATH 406 Partial Differential Equations or 407 Introduction to Complex Variables (or any MATH or STAT 300/400 Level Major Elective)	3	300/400 Level General Elective (FIN 345*)	3
300/400 Level General Elective (STAT 480*)	3	General Elective	3
300/400 Level General Elective (FIN 325*)	3		
TOTAL	15	TOTAL	12

Additional Graduation Requirements: Civics Exam and HEIghten Exit Exam

Total Credits to Graduate: 120

*Required courses for Actuarial Science minor

**Lab Science course may be paired with associated Lecture course fulfilling general elective hours