UMKC COLLEGE OF ARTS AND SCIENCES
AA-BS IN MATHEMATICS & STATISTICS

MCC-ASSOCIATE OF ARTS DEGREE
American Institutions (6 credits)—choose two courses:
HIST 120 American History I
HIST 121 American History II
POLS 135 Introduction to Political Science
POLS 136 Introduction to American National Politics

Communications (9 credits)—choose all of the following:
ENGL 101 Composition and Reading I
ENGL 102 Composition and Reading II
SPDR 100 Fundamentals of Speech

Humanities (9 credits)—choose three courses (including one Lit or Phil), each from a different area:
Art History or ART 108
Foreign Language 101 or higher; or SIGN 101 or 102*
ENGL 214 or 216 or 254 or 255 or 220 or 221 or 222 or 223
HUMN
MUSI 108, 116, or 160
PHIL
SPDR 103, 104, 110, 112, 114, 128, or 133; or MSCM 112
HIST/HUMN 133 or 134

Mathematics (3 credits)—choose one course:
MATH 120 College Algebra

Natural Science (9-10 credits)—choose one course from each area:
Any BIOL laboratory course
Any Physical Science laboratory course

Social Science (6 credits)—choose two courses, each from a different area:
Any course from CRJU, ECON, HIST, POLS, PSYC, SOCI

Computer (3 credits)—choose one course:
CSIS 110 or 115

Electives (14-17 credits)—choose from the following:
Suggested courses to also fulfill BS requirements at UMKC:
Foreign Language 102 and 203*
MATH 115 Statistics
MATH 196 Special Topics I
MATH 130 Trigonometry
MATH 230 Differential Equations

TOTAL CREDITS REQUIRED: 62 CREDITS

General Requirements (11 credits)—choose all of the following:
Cluster Course (300/400 level)
*Foreign Language Requirement:
Foreign language is not required for any Bachelor of Science degree at UMKC.
To fulfill the Major Requirements for the BS in Mathematics and Statistics, students must successfully complete the required calculus courses (MATH 210, 220, and 250); and 21 credits of 300/400 level math courses, including MATH 300, MATH 402, and either MATH 410 or 420. A minimum of 60 credit hours of combined math and science courses is required to fulfill any Bachelor of Science degree. All mathematics students are required to achieve a minimum 2.0 GPA in the courses counted towards the major. For those students that have completed the Associate in Arts degree, the remaining general education course requirements are: passage of the Written English Proficiency Test, a 300/400 level Writing Intensive course and a 300/400 interdisciplinary “cluster course.” A Writing Intensive course from MCC will not fulfill the upper-level Writing Intensive requirement at UMKC. The BS degree in MATH requires 120 minimum credit hours, including 36 hours at the 300/400 level.

### Required Courses in SOC (15 credits)—choose all of the following:
- MATH 210 Calculus I
  - equivalent to MCC MATH 180
- MATH 220 Calculus II
  - equivalent to MCC MATH 190
- MATH 250 Calculus III

### Elective Courses in MATH (21 credits)—choose 7 courses:
- MATH 300 Linear Algebra I
- MATH 402 Advanced Analysis I
- MATH 410 Modern Algebra or MATH 420 Linear Algebra II
- Any 300/400 level MATH courses

**MINIMUM CREDITS REQUIRED:** 120 CREDITS