This Guide is intended for the use of students who plan on transferring from Jefferson College (JeffCo) with a completed Associate of Arts to the University of Missouri – St. Louis (UMSL) to pursue a Bachelor of Science in Mathematics.

For more information on UMSL’s Bachelor of Science in Mathematics, please visit our online Course Catalog.

The following are the requirements of the JeffCo Associate of Arts degree program as they are recommended for students intending to continue on into UMSL’s Bachelor of Science in Mathematics. Completing these requirements as they are recommended here will maximize the transferability of a student’s coursework toward their UMSL Bachelor’s degree. Further details of this Associates degree program, as well as comprehensive lists of courses that satisfy each General Education component, may be found within the JeffCo course catalog or may be obtained through a JeffCo advisor.

This guide is intended for use under advisement of a JeffCo Academic Advisor or UMSL Transfer Representative and is not considered to be substitution of such advisement.

### I. COMMUNICATIONS 9 HOURS
- ENG 101 English Composition I (3)
- ENG 102 English Composition II (3)
- Complete 1 of the Following Courses:
  - COM 100 Fundamentals of Communication (3)
  - COM 110 Public Speaking (3)

### II. HUMANITIES 9 HOURS
- Complete 1 of the Following Courses to satisfy UMSL's Cultural Diversity Requirement:
  - HST 210 Asian Civilization (3)
  - MSC 137 World Music (3)
  - PHL 201 World Religions (3)
- Complete 2 additional Courses in the Humanities from at least 2 Humanities Disciplines:
  - Humanities Course: ________________
  - Humanities Course: ________________

### III. MATHEMATICS AND NATURAL SCIENCES

#### Mathematics 3 Hours
- Complete 1 of the Following Courses:
  - MTH 141 Precalculus (5)

#### Natural Sciences 7 Hours
- Complete 2 Courses, 1 in the Biological Sciences and 1 in the Physical Science, at least 1 Course with a Laboratory Component:
  - Biological Science Course: ________________
  - Physical Science Course: ________________

This Transfer Guide was last reviewed or updated in 8/2014
ASSOCIATE OF ARTS
TO A
BACHELOR OF SCIENCE IN MATHEMATICS

IV. SOCIAL AND BEHAVIORAL SCIENCES
U.S. and Missouri Constitutions  6 Hours
☐ ☐ Complete 2 Courses, 1 in Constitution studies and 1 in American History or Government:
  Constitution Course: ______________________
  American History or Government Course: ______________________

Social and Behavioral Sciences  6 Hours
☐ ☐ Complete 2 Courses in the Social and Behavioral Sciences:
  Social and Behavioral Sciences Course: ______________________
  Social and Behavioral Sciences Course: ______________________

V. GENERAL EDUCATION OPTION  2 HOURS
☐ MTH 180 Calculus I (5)

VI. COMPUTER LITERACY  3 HOURS
☐ CIS125 Computer Concepts and Applications (3)

VII. FIRST YEAR EXPERIENCE  1 HOUR
☐ Complete 1 First-Year Experience Course: ______________________

VIII. ELECTIVES  16 HOURS
☐ MTH 185 Calculus II (5)
☐ MTH 201 Calculus III (5)
☐ MTH 205 Differential Equations (3)
☐ Elective Course: ______________________

Students that plan to transfer to UMSL to pursue a Bachelor of Science in Mathematics but do not wish to complete an Associate's degree at JeffCo should consult the JeffCo General Education Transfer Guide.

For any questions regarding this guide please contact Sue Bateman at batemans@umsl.edu.