# ASSOCIATE IN ARTS
TO A
BACHELOR OF SCIENCE IN MATHEMATICS

## UNIVERSITY OF MISSOURI – ST. LOUIS & ST. LOUIS COMMUNITY COLLEGE
TRANSFER GUIDE

This Guide is intended for the use of students who plan on transferring from St. Louis Community College (STLCC) with a completed Associate in 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 STLCC Associate in 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 Associate degree program, as well as comprehensive lists of courses that satisfy each General Education component, may be found within the STLCC course catalog or may be obtained through a STLCC advisor.

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

## GENERAL EDUCATION

### Foundation Courses 14 Hours

- ENG 101 College Composition I (3)
- ENG 102 College Composition II (3)
- Complete 1 of the following courses:
  - COM 101 Oral Communication I (3)
  - COM 107 Public Speaking (3)
- MTH 185 Precalculus (5)

### Social and Behavioral Sciences 9 Hours

- Complete 1 course to satisfy the Missouri Constitution requirement: [ ]
- ECO 151 Principles of Macroeconomics (3)
- ECO 152 Principles of Microeconomics (3)

### Humanities and Fine Arts 9 Hours

- Complete 1 of the following courses to satisfy both STLCC’s Global/Intercultural requirement and UMSL’s Cultural Diversity requirement:
  - ENG 231 World Literature (3)
  - PHL 103 World Religions (3)
- Complete 2 additional courses in the Humanities and Fine Arts:
  - Humanities and Fine Arts Course: [ ]
  - Humanities and Fine Arts Course: [ ]

### Life and Physical Sciences 10 Hours

- CHM 105 General Chemistry I (5)
- CHM 106 General Chemistry II (5)

The information in this Transfer Guide is in accordance with the published 2017-2018 Course Catalogs of both UMSL and STLCC.
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Interdisciplinary Studies  3 Hours
☐ Complete 1 course in Interdisciplinary Studies: ________________

Capstone  1 Hour
☐ GEN 200 Capstone (1)

PHYSICAL EDUCATION ACTIVITY  2 Hours
☐ ☐ Complete 2 courses in Physical Education:
  Physical Education Course: ______________________
  Physical Education Course: ______________________

ELECTIVES  20-22 Hours
A student must complete enough Elective Coursework to reach 64 Total Hours:
☐ Complete 1 of the following courses:
  IS 153 C# Programming I (4)
  IS 187 Java Programming I (4)
☐ IS 256 C++ Programming (3)
☐ MTH 210 Analytic Geometry & Calculus I (5)
☐ MTH 220 Analytic Geometry & Calculus II (5) *Students must complete with a C or higher*
☐ Complete 1 of the following courses:
  MTH 215 Linear Algebra (3)
  MTH 230 Analytic Geometry & Calculus III (5) *Students must complete with a C or higher*

Students that plan to transfer to UMSL to pursue a Bachelor of Science in Mathematics but do not wish to complete an Associates degree at STLCC should focus on completing the Highlighted Courses above in conjunction with those outlined in the STLCC General Education Transfer Guide.

For any questions regarding this guide please contact the UMSL Office of Transfer Services at (314) 516-5162.

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