

**ASSOCIATE OF 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 Associates 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-CORE 42**

#### **Communication Written & Oral**

**9 hours required**

- ENG 101 College Composition I (MOTR ENGL 100) (3)
- ENG 102 College Composition II (MOTR ENGL 200) (3)
- Complete 1 of the following courses:
  - COM 101 Oral Communication I (MOTR COMM 100) (3)
  - COM 107 Public Speaking (MOTR COMM 110) (3)

#### **Mathematical Sciences**

**3 hours required**

- MTH 185 Precalculus (MOTR MATH 150) (5)

#### **Social and Behavioral Sciences**

**9 hours required**

- Complete 1 of the following courses (Civics requirement)
  - HST 101 US History to 1865 (MOTR HIST 101) (3)
  - HST 102 US History 1865-Present (MOTR HIST 102) (3)
  - PSC 101 Intro to American Politics (MOTR POSC 101) (3)
- ECO 151 Principles of Macroeconomics (MOTR ECON 101) (3)
- ECO 152 Principles of Microeconomics (MOTR ECON 102) (3)

#### **Humanities and Fine Arts**

**9 hours required**

- Complete 1 of the following courses UMSL's Cultural Diversity requirement:
  - ENG 231 World Literature (MOTR LITR 200) (3)
  - PHL 103 World Religions (MOTR RELG 100) (3)
- Complete 2 additional courses in the Humanities and Fine Arts from MOTR list

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**Natural Sciences**

**7 hours minimum required, must include at least 1 class**

- CHM 105 General Chemistry I (MOTR CHEM 150I) (5)
- CHM 106 General Chemistry II (5)

**CORE 42 ELECTIVE(S) (MOTR COURSES TO REACH 42 CREDIT HOURS)**

\*\*No electives needed if plan listed above is followed.

**REQUIRED ELECTIVES for AA-General Transfer Studies (60 hours minimum)**

A student must complete enough Elective Coursework to reach 60 Total Hours:

- MTH 210 Analytic Geometry & Calculus I (5)
- MTH 220 Analytic Geometry & Calculus II (5) \*Students must complete with a C or higher\*
- MTH 215 Linear Algebra (3)
- MTH 230 Analytic Geometry & Calculus III (5) \*Students must complete with a C or higher\*

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