ASSOCIATE OF ARTS
TO A
BACHELOR OF SCIENCE IN MATHEMATICS

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

This Guide is intended for the use of students who plan on transferring from St. Charles Community College (SCCC) 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 SCCC 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 SCC course catalog or may be obtained through a SCC advisor.

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

GENERAL EDUCATION – CORE 42

Communications – Written & Oral 9 hours required
- ENG 101 English Composition I (MOTR ENGL 100) (3)
- ENG 102 English Composition II (MOTR ENGL 200) (3)
- Complete one of the following courses:
  - COM 101 Oral Communication (MOTR COMM 100) (3)
  - COM 110 Interpersonal Communication (MOTR COMM 120) (3)

Mathematical Sciences 3 hours required
- MAT 171 Pre-Calculus Mathematics (MOTR MATH 150) (6)

Social and Behavioral Sciences 9 hours required
- Complete 1 of the following courses (Civics Requirement)
  - HIS 101 U.S. History to 1877 (MOTR HIST 101) (3)
  - HIS 102 U.S. History since 1877 (MOTR HIST 102) (3)
  - POL 101 American Government (MOTR POSC 101) (3)
- ECO 110 Principles of Macroeconomics (MOTR ECON 101) (3)
- ECO 120 Principles of Microeconomics (MOTR ECON 102) (3)

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Humanities and Fine Arts 9 hours required
☐ LIT 200 World Mythology (MOTR LITR 201) (3) *course can be used to meet UMSL’s cultural diversity requirement.
☐ Complete Level I in a Foreign Language Sequence from MOTR list (4)
☐ Complete Level II in a Foreign Language Sequence from MOTR list (4)

Life and Physical Sciences 7 hours minimum required, must include 1 lab
☐ CHM 115 General Chemistry I (MOTR CHEM 150L) (5)
☐ CHM 116 General Chemistry II (5)

CORE 42 ELECTIVE(S) (MOTR COURSES TO REACH 42 CREDIT HOURS
*None if guide is followed

REQUIRED ELECTIVES for AA-General Transfer Studies (60 hours minimum)
☐ MAT 180 Calculus and Analytic Geometry I (5)
☐ MAT 230 Calculus and Analytic Geometry II (5) *Student must complete with a C or higher*
☐ MAT 242 Introductory Linear Algebra (3)
☐ MAT 240 Calculus and Analytic Geometry III (5) *Student must complete with a C or higher*

For questions about this Transfer Guide, please contact the Office of Admissions at 314-516-5451

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