

**ASSOCIATE OF ARTS
TO A
BACHELOR OF SCIENCE IN BIOCHEMISTRY & BIOTECHNOLOGY**



**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 Biochemistry & Biotechnology.

For more information on UMSL's Bachelor of Science in Biochemistry & Biotechnology, 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 Biochemistry & Biotechnology. 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 Pre-calculus (MOTR MATH 150) (5)

Social and Behavioral Sciences

9 Hours required

- Complete 1 of the following courses (Civics requirement):
 - HST 101 United States History to 1865 (MOTR HIST 101) (3)
 - HST 102 United States History from 1965 to present (MOTR HIST 102) (3)
 - PSC 101 Introduction to American Politics (MOTR POSC 101) (3)
- Complete 2 additional courses in the Social and Behavioral Sciences from MOTR list:
 - Social and Behavioral Science Course
 - Social and Behavioral Science Course

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Humanities and Fine Arts

9 hours required

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

Natural Sciences

7 hours minimum required, must include 1 lab class

- CHM 105 General Chemistry I (MOTR CHEM 150L) (5)
- BIO 140 Principles of Biology I (MOTR BIOL 150L) (4)

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

- PHY 111 College Physics I (MOTR PHYS 150L) (4)

REQUIRED ELECTIVES FOR AA-GENERAL TRANSFER STUDIES (60 HOURS MINIMUM)

- CHM 106 General Chemistry II (5)
- BIO 225 Genetics (5)
- PHY 112 College Physics II (4)
- MTH 186 Survey Calculus (3)

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