

**ASSOCIATE OF ARTS
TO A
BACHELOR OF SCIENCE IN COMPUTER SCIENCE**



**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 of Arts to the University of Missouri – St. Louis (UMSL) to pursue a Bachelor of Science in Computer Science.

For more information on UMSL's Bachelor of Science in Computer Science, please visit our online [Course Catalog](#).

The following are the requirements of the STLCC Associate of Arts degree program as they are recommended for students intending to continue on into UMSL's Bachelor of Science in Computer Science. 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 to Present (MOTR HIST 102) (3)
 - PSC 101 Intro 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

Humanities & Fine Arts

9 Hours required

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

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Natural Sciences

7 Hours minimum required, must include at least 1 lab class

- Complete 1 laboratory course in Natural Science from MOTR list
- Complete 1 additional course in Natural Science from MOTR list

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

- MTH 210 Analytical Geometry and Calculus I (5)

REQUIRED ELECTIVES FOR AA-GENERAL TRANSFER STUDIES (60 Hours minimum)

- MTH 220 Analytic Geometry & Calculus II (5)
- MTH 215 Linear Algebra (3)
- IS 167 C ++ Programming I (4) or IS 256 C ++ Programming (3)
- IS 267 C ++ Programming II (4)
- Elective, if needed

Note: Students seeking to major in computer science are first designated as “pre-computer science majors” until they have completed CMP SCI 2750 (UMSL course). Upon successful completion of this course with a grade of C- or better, students will be allowed to declare computer science as their major. This course must be completed successfully within two attempts.

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