ASSOCIATE IN ARTS TO A BACHELOR OF SCIENCE IN COMPUTER SCIENCE

UNIVERSITY OF MISSOURI ST. LOUIS
SOUTHWESTERN ILLINOIS COLLEGE
TRANSFER GUIDE

This guide is intended for students who plan on transferring from Southwestern Illinois College (SWIC) with a completed Associate in Arts to the University of Missouri – St. Louis (UMSL) to pursue a Bachelor of Science in Computer Science.

For more information on the Bachelor of Science in Computer Science, please visit our online Course Catalog.

The following are the requirements of the SWIC Associate in 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 SWIC course catalog or may be obtained through a SWIC advisor.

This guide is intended for use under the advisement of a SWIC Academic Advisor or UMSL Student Recruitment Specialist and is not considered substitution of such advisement.

GENERAL EDUCATION

Communications – Written & Oral 9 hours required
☐ Complete the following ENG courses with a C- grade or higher selected from the following:
   ENG 101 Rhetoric and Composition I (3)
   ENG 102 Rhetoric and Composition II (3)
☐ Complete 1 of the following courses:
   COMM 151 Fundamentals of Public Speaking (3)
   COMM 155 Interpersonal Communication (3)

Mathematics 3 hours required
☐ MATH 112 College Algebra (4)

Social & Behavioral Sciences 9 hours required
☐ Complete 1 of the following courses (Civics requirement)
   POLS 150 Intro to American Government (3)
   HIST 180 U.S. History to 1865 (3)
   HIST 181 U.S. History, 1865 to the Present (3)
☐ Complete 2 additional courses in Social & Behavioral Sciences

*Note: Some courses may transfer in over the 2000 level, which would make them exempt from being used in UMSL’s General Education Core, please contact a Student Recruitment Specialist to determine transferability.

Humanities & Fine Arts 9 hours required
☐ Complete 1 of the following courses: *each course meets UMSL’s cultural diversity requirement
   HIST 286 History of Religion (3)
   PHIL 155 Non-Western Philosophy (3)
   LIT 205 Lit of Non-Western Countries (3)
   MUS 110 World Music (3)
☐ Complete 2 additional courses in Humanities & Fine Arts (3)

*Note: Some courses may transfer in over the 2000 level, which would make them exempt from being used in UMSL’s General Education Core, please contact a Student Recruitment Specialist to determine transferability.

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Life/Physical Sciences  
7 hours minimum, must include at least 1 lab class
☐ Complete 1 laboratory courses in Life/Physical Sciences (4-5)
☐ Complete 1 additional course in Life/Physical Sciences (3)

REQUIRED ELECTIVES for AA-General Transfer Studies (60 hours minimum)
☐ MATH 114 Trigonometry (3)
☐ MATH 203 Analytic Geometry & Calculus I (5)
☐ MATH 204 Analytic Geometry & Calculus II (5)
☐ MATH 292 Linear Algebra (3)
☐ MATH 170 Computer Science or MATH 210 Computer Programming for Engineers (3)
☐ MATH 270 Computer Science II (4)
☐ Electives to reach 60 hours minimum

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 questions about this transfer guide please call the Office of Admissions at 314-516-5451

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