ASSOCIATE OF ARTS TO A
BACHELOR OF SCIENCE IN COMPUTER SCIENCE

UNIVERSITY OF MISSOURI – ST. LOUIS
EAST CENTRAL COLLEGE
TRANSFER GUIDE

This Guide is intended for the use of students who plan on transferring from East Central College (ECC) 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 in Science in Computer Science, please visit our online Course Catalog.

The following are the requirements of the ECC 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 ECC course catalog or may be obtained through an ECC advisor.

This guide is intended for use under advisement of an ECC 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 Communications (MOTR COMM 100) (3)
  - COM 110 Public Speaking (MOTR COMM 110) (3)

MATHEMATICAL SCIENCES 3 HOURS REQUIRED
- MTH 170 College Algebra (MOTR MATH 130) (3)

SOCIAL AND BEHAVIORAL SCIENCES 9 HOURS REQUIRED
MUST BE FROM AT LEAST TWO SUBJECT AREAS
- Complete 1 course from the following Civics courses
  - HST 101 US History to 1877 (MOTR HIST 101) (3)
  - HST 102 US History since 1877 (MOTR HIST 102) (3)
  - PSC 102 US Government I: National and State (MOTR POSC 101) (3)
- Complete 2 additional courses in Social & Behavioral Sciences from MOTR list (6)

HUMANITIES AND FINE ARTS 9 HOURS REQUIRED
MUST BE FROM AT LEAST TWO SUBJECT AREAS
- MUS 151 World Music (MOTR MUSC 102) (3) *Satisfies UMSL’s Cultural Diversity requirement
- Complete 2 additional courses in Humanities and Fine Arts from MOTR list (6)

NATURAL SCIENCES 7 HOURS MINIMUM REQUIRED, MUST INCLUDE 1 LAB
- Complete 1 Laboratory course in Natural Science from MOTR list (4-5)
- Complete 1 additional Natural Science course from MOTR list (3)

CORE 42 ELECTIVE(S) (MOTR COURSE TO REACH 42 HOURS)
- MTH 171 Trigonometry (2)
- Complete additional MOTR elective to reach 42 hours

The information in this Transfer Guide is in accordance with the published 2021-2022 Course Catalogs of both UMSL and ECC.
ASSOCIATE OF ARTS  
TO A  
BACHELOR OF SCIENCE IN COMPUTER SCIENCE

ELECTIVES FOR AA-GENERAL TRANSFER STUDIES (60 HOURS MINIMUM)  
Student must complete enough elective coursework to reach 60 Total Hours:  
☐ CIS 124 Programming and Logic (3) & CIS 129 C# Programming (3) **both courses together will equate to UMSL’s CMP SCI 1250  
☐ MTH 190 Analytic Geometry & Calculus I (5)  
☐ MTH 210 Analytic Geometry & Calculus II (5)  
☐ MTH 242 Engineering Statistics (3)  
☐ Elective

DECLARING THE COMPUTER SCIENCE MAJOR  
Students seeking to major in computer science are first designated as “pre-computer science majors” until they have completed CMP SCI 2750 or equivalent 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 Admissions at (314)-516-5451.