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 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 Bachelors 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.

1. FOUNDATION SEMINAR (FS-CLO)  1 HOUR
   □ COL 100 Campus Orientation (0)
   □ COL 101 Foundation Seminar (1)

2. COMMUNICATION (C-CLO)
   Written Communication  3 Hours
   □ ENG 101/114 English Comp I (3)
   Oral Communication  3 Hours
   □ Complete 1 of the following courses:
     COM 101 Oral Communications (3)
     COM 110 Public Speaking (3)
   Advanced Written Communication  3 Hours
   □ ENG 102/115 English Comp II (3)
   Communication Elective  3 Hours
   □ Complete 1 course from the Communication Electives: ________________________

3. CREATIVE/CRITICAL THINKING (CCT-CLO)
   Mathematics  3 Hours
   □ MTH 170 Pre-Calculus A (3)
   History or Government Elective  3 Hours
   □ Complete 1 course from the History and Government Electives: ________________________

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Life Sciences 3 to 5 Hours
!!! At least 1 of the courses in the Life Sciences or Physical Science must include Laboratory component.
☐ Complete 1 course in the Life Sciences: __________________________

Physical Sciences 3 to 5 Hours
!!! At least 1 of the courses in the Life Sciences or Physical Science must include Laboratory component.
☐ Complete 1 course in the Physical Sciences: __________________________

Creative/Critical Thinking Elective (CCT-CLO) 5 Hours
☐ MTH 190 Analytic Geometry & Calculus I (5)

4. ETHICS & SOCIAL RESPONSIBILITY (ESR-CLO)

Global & Cross Cultural (GC-CLO) 3 Hours
☐ Select 1 of the following Global & Cross Cultural courses to satisfy the UMSL Cultural Diversity Requirement:
   - ANT 110 Introduction Cultural Anthropology (3)
   - CIV 211 Latin American Civilization (3)
   - CIV 212 Islamic Civilization (3)
   - CIV 215 Japanese Civilization (3)
   - CIV 216 East Asian Civilization to 1800 (3)
   - CIV 217 East Asian Civilization Since 1800 (3)
   - ENG 125 World Literature II (3)
   - PSC 202 Introduction to Comparative Politics (3)

Ethics & Valuing (EV-CLO) 3 Hours
☐ Complete 1 course in Ethics & Valuing: __________________________

Ethics & Social Responsibility (ESR-CLO) 6 Hours
☐ ☐ Complete 2 courses in Ethics & Social Responsibility:
   - Ethics & Social Responsibility Course: __________________________
   - Ethics & Social Responsibility Course: __________________________

5. ELECTIVES 16 HOURS
A student must complete enough Elective Coursework to reach 60 Total Hours:
☐ MTH 171 Pre-Calculus B (2)
☐ MTH 210 Analytic Geometry & Calculus II (5)
☐ MTH 241 Linear Algebra (3)
☐ MTH 242 Engineering Statistics (3)
☐ UMSL Computer Science Course*

* The UMSL Bachelor of Science in Computer Science requires a 5 semester sequence of Computer Science area courses. As an equivalent course is not offered at ECC, it is, therefore, recommended that a student begin attending UMSL through dual enrollment while working on their Associates to complete the first Computer Science course in this sequence in order to stay on schedule to graduate with their Bachelors.

Students that plan to transfer to UMSL to pursue a Bachelor of Science in Computer Science but do not wish to complete an Associates degree at ECC should focus on completing the Highlighted Courses above in conjunction with those outlined in the ECC General Education Transfer Guide.

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

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