ASSOCIATE OF ARTS
TO A
BACHELOR OF SCIENCE IN BIOLOGY

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 Biology.

This Bachelors degree offers Emphasis options in the following areas: Cell & Molecular Biology; Ecology, Evolution, & Conservation Biology; and Pre-Professional/Health Sciences. Unless specified below, the courses recommended in this guide will be applicable to all of these Emphases. For more information on UMSL’s Bachelor of Science in Biology, 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 Biology. 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
   • 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 5 Hours
☐ BIO 121 Principles of Biology I Lecture & Lab (5)

Physical Sciences 5 Hours
☐ CHM 111 General Chemistry I Lecture & Lab (5)

Creative/Critical Thinking Elective (CCT-CLO) 3 Hours
☐ Complete 1 of the following courses:
  MTH 180 Survey Calculus (3)
  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 15-17 HOURS
A student must complete enough Elective Coursework to reach 60 Total Hours:
☐ BIO 122 Principles of Biology II Lecture & Lab (5)
☐ CHM 112 General Chemistry II Lecture & Lab (5)
☐ MTH 171 Pre-Calculus B (2)
☐ Complete 1 of the following courses:
  BIO 110 General Ecology (4)
  BIO 208 General Microbiology Lecture & Lab (4)
  CHM 205 Organic Chemistry I Lecture & Lab (5)
  MTH 150 Statistics (3)
  PHY 111 & 112 College Physics I Lecture & Lab (5)

Students that plan to transfer to UMSL to pursue a Bachelor of Science in Biology 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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