ASSOCIATE IN ARTS
TO A
BACHELOR OF SCIENCE IN BIOLOGY

UNIVERSITY OF MISSOURI – ST. LOUIS &
MINERAL AREA COLLEGE
TRANSFER GUIDE

This Guide is intended for the use of students who plan on transferring from Mineral Area College (MAC) with a completed Associate in 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 MAC Associate in 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 MAC course catalog or may be obtained through a MAC advisor.

This guide is intended for use under advisement of a MAC Academic Advisor or UMSL Transfer Coordinator and is not considered to be substitution of such advisement.

GENERAL EDUCATION

English    9 Hours
☐ ENG 1330 English Composition I (3)
☐ ENG 1340 English Composition II (3)
☐ ENG 1440 Public Speaking (3)

Humanities    9 Hours
☐ Complete 1 of the Following Courses to satisfy both MAC’s and UMSL’s Cultural Diversity Requirements:
   - ENG 2500 Multicultural Literature (3)
   - PHI 1410 Comparative Religion (3)
   - SOC 1540 Introduction to Cultural Anthropology (3)
☐ Complete 2 additional Courses in the Humanities from at least 2 Humanities Disciplines:
   - Humanities Course: __________________________
   - Humanities Course: __________________________

History & Political Science    6 Hours
☐ POS 1180 American Political Systems (3)
☐ Complete 1 of the Following Courses:
   - HIS 1230 American History I (3)
   - HIS 1240 American History II (3)

Mathematics    3 Hours
☐ MAT 1230 College Algebra (3)

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**Physical & Biological Sciences** 10 Hours
- BIO 2112 General Botany (5) - Will require consent of the instructor to register.
- PHS 1350 General Chemistry I (5)

**Social & Behavioral Sciences** 3 Hours
- Complete 1 Social & Behavioral Science Course: 

**Computer Information Systems** 3 Hours
- Complete 1 Computer Information Systems Course: 

**Physical Education** 2 Hours
- Complete 1 Physical Education Course: 

**ELECTIVES** 19-21 Hours
A student must complete enough Elective Coursework to reach 62 Total Hours:
- BIO 2122 General Zoology (5) - Will require consent of the instructor to register.
- PHS 1390 General Chemistry II (4)
- PHS 1420 College Physics I (4)
- MAT 1330 Trigonometry (3)
- Complete 1 of the Following Courses:
  - BUS 1600 Calculus for Business & Social Sciences (3)
  - MAT 1650 Analytic Geometry and Calculus I (5)

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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 MAC should focus on completing the **Highlighted Courses** above in conjunction with those outlined in the [MAC General Education Transfer Guide](#).

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For questions please contact Tami Davenport at (575) 518-2324 or at davenportt@umsl.edu.

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