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

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 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 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 MAC course catalog or may be obtained through an MAC advisor.

This guide is intended for use under advisement of a MAC Academic Advisor and/or UMSL Student Recruitment Specialist and is not considered to be substitution for such advisement.

**GENERAL EDUCATION – CORE 42**

**Communications – Written & Oral**
9 hours required
- Complete the following Written courses with a C- grade or higher selected from the following:
  - ENG 1330 English Composition I (MOTR ENGL 100) (3) - Written
  - ENG 1340 English Composition II (MOTR ENGL 200) (3) - Written
- ENG 1440 Public Speaking (MOTR COMM 110) (3) - Oral

**Mathematics**
3 hours required
- MAT 1270 PreCalc: Algebraic Reasoning (MOTR MATH 130) (3)

**Social & Behavioral Sciences**
9 hours required
- Complete 1 course from the following to meet state civics requirements:
  - HIS 1230 American History I (MOTR HIST 101) (3)
  - HIS 1240 American History II (MOTR HIST 102) (3)
  - POS 1180 American Political Systems (MOTR POSC 101) (3)
- Complete 2 additional courses in Social & Behavioral Sciences from MOTR list

**Humanities & Fine Arts**
9 hours required
- PHI 1410 Comparative Religion (MOTR RELG 100) *course meets UMSL's cultural diversity requirement
- Complete 2 additional courses in Humanities & Fine Arts from MOTR list

**Life/Natural Sciences**
7 hours minimum required, must include 1 lab
- BIO 2112 General Botany (MOTR BIOL 150LB) (5) *may require BIO 1150 prerequisite
- PHS 1350 General Chemistry I (MOTR CHEM 150L) (5)

**CORE 42 Elective(s) (MOTR Courses to Reach 42 Credit Hours)**
- MAT 1370 PreCalculus: Trig & Geom Reasoning (3)
Required Electives for AA-General Transfer Studies (60 hours minimum)

- BIO 2122 General Zoology (5)
- PHS 1420 College Physics I (4)
- PHS 1440 College Physics II (4)

- Complete one of the following:
  - BUS 1600 Calculus for Bus & Social Sciences (3)
  - MAT 1650 Analytic Geom and Calculus I (5)
- PHS 1390 General Chemistry II (4)

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