This guide is intended for students who plan on transferring from East Central College (ECC) with a completed Associate of Arts degree to the University of Missouri – St. Louis (UMSL) to pursue a Bachelor of Science in Biochemistry & Biotechnology.

For more information on UMSL’s Bachelor of Science in Biochemistry & Biotechnology, 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 Biochemistry & Biotechnology. 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 to for use under the advisement of an ECC Academic Advisor or UMSL Student Recruitment Specialist and is not considered substitution of such advisement.

**GENERAL EDUCATION – CORE 42**

**Foundation Seminar**
- COL 101 Foundation of Student Success (1) *

  *COL 101 will not count towards CORE 42, but may be required for the AA.

**Communications – Written & Oral**
- 9 hours required
- A student must complete the following ENG courses with a C- grade or higher selected from the following:
  - ENG 101 or 114 English Comp I (MOTR ENGL 100) (3)
  - ENG 102 or 115 English Comp II (MOTR ENGL 200) (3)
- A student must complete 1 course from the following:
  - COM 101 Oral Communications (MOTR COMM 100) (3)
  - COM 110 Public Speaking (MOTR COMM 110) (3)

**Mathematics**
- 3 hours required
- MTH 170 College Algebra (MOTR MATH 130) (3)
  - Or other, higher MTH course

**Social & Behavioral Science**
- 9 hours required
- Complete minimum of 9 credit hours from at least two subject areas, including one Civics course
  - 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 Social and Behavioral Sciences courses from MOTR

**Humanities & Fine Arts**
- 9 hours required
- Complete minimum of 9 credit hours 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

The information in this Transfer Guide is in accordance with the published 2020-2021 Course Catalogs of both UMSL and ECC.
ASSOCIATE OF ARTS
TO A
BACHELOR OF SCIENCE IN BIOCHEMISTRY & BIOTECHNOLOGY

Life/Physical Sciences
7 hours minimum, must include at least 1 lab
☐ CHM 111 General Chemistry I (MOTR CHEM 150L) (5)
☐ BIO 121 Principles of Biology I (MOTR BIO 150L) (5)

CORE 42 ELECTIVE(S) (MOTR COURSES TO REACH 42 CREDIT HOURS)
☐ MTH 171 Trigonometry (3)

REQUIRED ELECTIVES FOR AA-GENERAL TRANSFER STUDIES (60 HOURS MINIMUM)
A student must complete enough Elective Coursework to reach 60 Total Hours:
☐ BIO 122 Principles of Biology II (5)
☐ PHY 104 Intro to Physics Lecture & Lab (4)
☐ MTH 180 Basic Calculus (3)
☐ CHM 112 General Chemistry II (5)
☐ PHY 104 Intro to Physics Lecture & Lab (4)

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

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