ASSOCIATE OF ARTS
TO A
BACHELOR OF ARTS IN PHYSICS

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 Arts in Physics.

For more information on UMSL's Bachelor of Arts in Physics, 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 Arts in Physics. 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 for use under advisement of an ECC Academic Advisor or UMSL Admissions Counselor and is not considered to be substitution of such advisement.

GENERAL EDUCATION – CORE 42

COMMUNICATIONS – WRITTEN & ORAL  9 HOURS REQUIRED
☐ ENG 101 English Comp I (MOTR ENGL 100) (3)
☐ ENG 102 English Comp II (MOTR ENGL 200) (3)
☐ Complete 1 of the following courses:
  COM 101 Oral Communications (MOTR COMM 100) (3)
  COM 110 Public Speaking (MOTR COMM 110) (3)

MATHEMATICAL SCIENCES  3 HOURS REQUIRED
☐ MTH 170 College Algebra (MOTR MATH 130) (3)

SOCIAL & BEHAVIORAL SCIENCES  9 HOURS REQUIRED
Must be from 2 different areas of study
☐ Complete 1 of the following courses (Civics)
  HST 101 U.S. History to 1877 (MOTR HIST 101) (3)
  HST 102 U.S. History since 1877 (MOTR HIST 102) (3)
  PSC 102 US Government I: National & State (MOTR PSOC 101) (3)
☐ ANT 110 Introduction Cultural Anthropology (MOTR ANTH 101) (3) *satisfies UMSL’s cultural diversity req
☐ Complete 1 additional course in Social and Behavioral sciences from MOTR list (3)

HUMANITIES & FINE ARTS  9 HOURS REQUIRED
Must be from 2 different areas of study
☐ Complete level I in a Foreign Language sequence from MOTR list (4)*
☐ Complete level II in Foreign Language sequence from MOTR list (4)*
☐ Complete 1 additional course in Humanities and Fine Arts from MOTR list (3)

NATURAL SCIENCES  7 HOURS MINIMUM REQUIRED, MUST INCLUDE 1 LAB COURSE
Must be from 2 different areas of study
☐ PHY 211 General Physics I Lecture (3) & PHY 212 General Physics I Lab (2) (MOTR PHYS 200L) (5)
☐ PHY 102 Introduction to Astronomy (MOTR ASTR 100) (3)

CORE 42 ELECTIVE(S) (MOTR COURSES TO REACH 42 CREDIT HOURS)
☐ MTH 171 Trigonometry (2)

The information in this Transfer Guide is in accordance with the published 2021-2022 Course Catalogs of both UMSL and ECC.
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GENERAL ELECTIVES FOR AA-GENERAL TRANSFER STUDIES (60 HOURS MINIMUM)
☐ Complete level III in a Foreign Language sequence or elective (3-4)
☐ CHM 111 General Chemistry I Lecture & Lab list (MOTR) (5)
☐ PHY 221 General Physics II Lecture (3) & PHY 222 General Physics II lab (2)
☐ MTH 190 Analytic Geometry & Calculus I (5)
☐ MTH 210 Analytic Geometry & Calculus II (5)
☐ MTH 220 Analytic Geometry & Calculus III (5)

FOREIGN LANGUAGE
Students pursuing a Bachelor of Arts degree at UMSL must complete the third-level course of a foreign language. Without placement, proficiency examination, or other exemption of coursework, this requires the completion of two prerequisite foreign language courses as well. An ECC student that completes the following foreign language sequence will have their UMSL Foreign Language requirement considered satisfied upon transferring.

Spanish Sequence
☐ SPN 101 Spanish Language and Culture I (MOTR LANG 103) (4)
☐ SPN 102 Spanish Language and Culture II (MOTR LANG 104) (4)
☐ SPN 201 Spanish Language and Culture III (4)

DECLARING THE PHYSICS MAJOR
Students seeking to major in physics are first designated as ‘pre-physics majors’ until they have completed both PHYSICS 2111 and PHYSICS 2112 or equivalent courses. Upon successful completion of PHYSICS 2111 and PHYSICS 2112 with grades of C- or better, students will be allowed to declare physics as their major. Each of these courses must be completed successfully within two attempts.

For any questions regarding this guide please contact the UMSL Office of Admissions at (314) 516-5451.

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