ASSOCIATE IN ARTS
TO A
BACHELOR OF SCIENCE IN PHYSICS

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 Physics.

This Bachelors degree offers Emphasis options in the following areas: General Physics, Astrophysics, Engineering Physics, and Medical Physics. 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 Physics, 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 Physics. 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)
☐ Complete 1 of the Following Courses:
  ENG 1440 Public Speaking (3)
  ENG 1670 Interpersonal Communication (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)

The information in this Transfer Guide is in accordance with the published 2017-2018 Course Catalogs of both UMSL and MAC.
ASSOCIATE IN ARTS
TO A
BACHELOR OF SCIENCE IN PHYSICS

Mathematics 3 Hours
☐ MAT 1230 College Algebra (3)

Physical & Biological Sciences 8 Hours
☐ Complete 1 Course in the Biological Sciences: ________________________
☐ PHS 2230 General Physics I (4)

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 22 HOURS
A student must complete enough Elective Coursework to reach 62 Total Hours:
☐ MAT 1330 Trigonometry (3)
☐ MAT 1650 Analytic Geometry and Calculus I (5)
☐ MAT 2150 Analytic Geometry and Calculus II (5)
☐ PHS 1350 General Chemistry I (5)
☐ PHS 2240 General Physics II (4)

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

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