This Guide is intended for the use of students who plan on transferring from Jefferson College (JeffCo) with a completed Associate of Arts to the University of Missouri – St. Louis (UMSL) to pursue a Bachelor of Science in Physics.

For more information on UMSL’s Bachelor of Science in Physics, please visit our online Course Catalog.

The following are the requirements of the JeffCo Associate of 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 Bachelor’s degree. Further details of this Associate’s degree program, as well as comprehensive lists of courses that satisfy each General Education component, may be found within the JeffCo course catalog or may be obtained through a JeffCo advisor.

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

I. COMMUNICATIONS 9 Hours
- ENG 101 English Composition I (3)
- ENG 102 English Composition II (3)
- Complete 1 of the Following Courses:
  - COM 100 Fundamentals of Communication (3)
  - COM 110 Public Speaking (3)

II. HUMANITIES 9 Hours
- Complete 1 of the Following Courses to satisfy UMSL’s Cultural Diversity Requirement:
  - HST 210 Asian Civilization (3)
  - MSC 137 World Music (3)
  - PHL 201 World Religions (3)
- Complete 2 additional Courses in the Humanities from at least 2 Humanities Disciplines:
  - Humanities Course: ______________________
  - Humanities Course: ______________________

III. MATHEMATICS AND NATURAL SCIENCES
Mathematics 3 Hours
- MTH 141 Precalculus (5)

Natural Sciences 7 Hours
- Complete 2 Courses, 1 in the Biological Sciences and 1 in the Physical Science, at least 1 Course with a Laboratory Component:
  - Biological Science Course: ______________________
  - CHM 111 General Chemistry I (5)

IV. SOCIAL AND BEHAVIORAL SCIENCES
U.S. and Missouri Constitutions 6 Hours
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ASSOCIATE OF ARTS
TO A
BACHELOR OF SCIENCE IN PHYSICS

☐ ☐ Complete 2 Courses, 1 in Constitution studies and 1 in American History or Government:
   Constitution Course: ____________________________
   American History or Government Course: ________________

Social and Behavioral Sciences   6 Hours
☐ ☐ Complete 2 Courses in the Social and Behavioral Sciences:
   Social and Behavioral Sciences Course: ____________________________
   Social and Behavioral Sciences Course: ________________

V. GENERAL EDUCATION OPTION   2 HOURS
☐ PHY 223 General Physics I (4)

VI. COMPUTER LITERACY   3 HOURS
☐ CIS 125 Computer Concepts and Applications (3)

VII. FIRST YEAR EXPERIENCE   1 HOUR
☐ Complete 1 First-Year Experience Course: ____________________________

VIII. ELECTIVES   16 HOURS
☐ PHY 224 General Physics II (4)
☐ CHM 112 General Chemistry II (5)
☐ MTH 180 Calculus I (5)
☐ MTH 185 Calculus II (5)
☐ MTH 201 Calculus III (5)

Students that plan to transfer to UMSL to pursue a Bachelors of Science in Physics but do not wish to complete an Associate’s degree should consult the JeffCo General Education Transfer Guide.

For any questions regarding this guide please contact Sue Bateman at batemans@umsl.edu.