

**ASSOCIATE OF ARTS
TO A
BACHELOR OF ARTS IN PHYSICS**



**UNIVERSITY OF MISSOURI – ST. LOUIS &
ST. LOUIS COMMUNITY COLLEGE
TRANSFER GUIDE**



This Guide is intended for the use of students who plan on transferring from St. Louis Community College (STLCC) with a completed Associate in 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 STLCC Associate in 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 STLCC course catalog or may be obtained through a STLCC advisor.

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

GENERAL EDUCATION-CORE 42

Communications-Written & Oral

9 hours required

- ENG 101 College Composition I (MOTR ENGL 100) (3)
- ENG 102 College Composition II (MOTR ENGL 200) (3)
- Complete 1 of the following courses:
 - COM 101 Oral Communication I (MOTR COMM 100) (3)
 - COM 107 Public Speaking (MOTR COMM 110) (3)

Mathematical Sciences

3 hours required

- MTH 185 Pre-calculus (MOTR MATH 150) (5)

Social and Behavioral Sciences

9 hours required

- Complete 1 of the following courses (Civics requirement)
 - HST 101 US History to 1865 (MOTR HIST 101) (3)
 - HST 103 US History 1865-Present (MOTR HIST 102) (3)
 - PSC 101 Intro to American Politics (MOTR POSC 101) (3)
- Complete 2 additional courses in the Social and Behavioral Sciences from MOTR list

Humanities and Fine Arts

9 hours required

- Complete Level I in a Foreign Language Sequence* from MOTR list (4)
- Complete Level II in a Foreign Language Sequence* from MOTR list (4)
- Complete 1 of the following courses** meets UMSL's Cultural Diversity requirement:
 - ENG 231 World Literature (MOTR LITR 200) (3)
 - PHL 103 World Religions (MOTR REL 100) (3)

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Natural Sciences

7 hours minimum required, must include 1 lab class

- CHM 105 General Chemistry I (MOTR CHEM 150 L) (5)
- PHY 122 Engineering Physics I (MOTR PHYS 200 L) (5)

CORE 42 ELECTIVE(S) (MOTR COURSES TO REACH 42 CREDIT HOURS)

NO ELECTIVES NEEDED IF PLAN LISTED ABOVE IS FOLLOWED

REQUIRED ELECTIVES for AA-General Transfer

A student must complete enough Elective Coursework to reach 60 Total Hours:

- Complete Level III in a Foreign Language Sequence* or an Elective Course (3-4)
- MTH 210 Analytic Geometry and Calculus I (5)
- MTH 220 Analytic Geometry and Calculus II (5)
- PHY 223 Engineering Physics II (5)

* Students pursuing a Bachelor of Arts in Physics at UMSL must complete three levels of coursework in a Foreign Language. At STLCC, a student can complete all three of these levels in French, German, and Spanish through the completion of one of the following sequences of courses: FRE 101, FRE 102, and FRE 201; GER 101, GER 102, and GER 201; or SPA 101, SPA 102, and SPA 201. Alternatively, a student can complete the first two levels of a Japanese sequence at STLCC with JPN 101 and JPN 102, but would need to complete the third level at UMSL after transferring. Lastly, a student can complete the first two levels of an Italian sequence at STLCC with ITL 103 and ITL 104. However, UMSL does not offer coursework in Italian and so the student would then need to complete the third level of Italian with another institution.

For any questions regarding this guide please contact the UMSL Office of Transfer Services at (314) 516-5162.