ASSOCIATE OF ARTS TO A BACHELOR OF ARTS IN PHYSICS

UNIVERSITY OF MISSOURI – ST. LOUIS & ST. CHARLES COMMUNITY COLLEGE

TRANSFER GUIDE

This Guide is intended for the use of students who plan on transferring from St. Charles Community College (SCCC) 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 SCC 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 SCC course catalog or may be obtained through a SCC advisor.

This guide is intended for use under advisement of a SCC 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 English Composition I (MOTR ENGL 100) (3)
- ENG 102 English Composition II (MOTR ENGL 200) (3)
- COM 101 Oral Communication (MOTR COMM 100) (3)

Mathematical Sciences 3 hours required
- MAT 171 Pre-Calculus Mathematics (MOTR MATH 150) (6)

Social and Behavioral Sciences 9 hours required
- Complete 1 of the following courses (Civics Requirement)
  - HIS 101 U.S. History to 1877 (MOTR HIST 101) (3)
  - HIS 102 U.S. History since 1877 (MOTR HIST 102) (3)
  - POL 101 American Government (MOTR POSC 101) (3)
- Complete 2 additional courses in Social and Behavioral Sciences from MOTR list

Humanities and Fine Arts 9 hours required
- PHL 201 World Religions (MOTR RELG 100) (3) *fulfills UMSL’s cultural diversity requirement
- Complete Level I in a Foreign Language sequence from MOTR list (4)*
- Complete Level II in a Foreign Language sequence from MOTR list (4)*

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Life and Physical Sciences 7 hours minimum required, must include 1 lab
☐ CHM 115 General Chemistry I (MOTR CHEM 150L) (5)
☐ PHY 250 Engineering Physics I (MOTR PHYS 200L) (5)

CORE 42 ELECTIVE(S) (MOTR COURSES TO REACH 42 CREDIT HOURS
*None if guide is followed

REQUIRED ELECTIVES for AA-General Transfer Studies (60 hours minimum)
☐ Complete Level III in a Foreign Language sequence (4)*
☐ MAT 180 Calculus and Analytic Geometry I (5)
☐ MAT 230 Calculus and Analytic Geometry II (5)
☐ MAT 240 Calculus and Analytic Geometry III (5)
☐ MAT 250 Differential Equations (3)
☐ PHY 251 Engineering Physics II (5)

* Students pursuing a Bachelor of Arts in Chemistry at UMSL must complete three levels of coursework in a Foreign Language at SCCC, a student can complete all three of these levels in French and Spanish though the completion of one of the following sequences of courses at SCCC, please consult with advisor on offerings.

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.

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