BACHELOR OF SCIENCE IN PHYSICS
ASSOCIATE OF ARTS

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

This Guide is intended for the use of students who plan on transferring from St. Charles Community College (SCC) 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: http://www.umsl.edu/bulletin/as/physics.

The following are the requirements of the SCC Associate of Arts degree program as they are recommended for student 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 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 at the SCC Academic Advising Office.

This guide is intended for use under advisement of the SCC Academic Advising Office or the UMSL Transfer Coordinator and is not considered to be substitution of such advisement.

General Education — 42 Hours Required

- ☐ 9 Credit Hours of Communications Courses:
  - ☐ *ENG 101 English Composition I (3)*
  - ☐ *ENG 102 English Composition II (3)*
  - ☐ *SPE 101 Oral Communication (3)*
- ☐ 9 Credit Hours of Social Science Courses:
  - ☐ Group I Course
  - ☐ Group II Course
  - ☐ Additional Social Science Course
- ☐ 9 Credit Hours of Humanities Courses:
  - ☐ Group I Course
  - ☐ Group II Course
  - ☐ Additional Humanities Course
- ☐ 3 Hour Multicultural/Valuing Course. Please select a course from the following to guarantee that it will also satisfy the UMSL Cultural Diversity Requirement:

  ANT 102 Introduction to Cultural Anthropology (3)
  ANT 103 Introduction to Archaeology (3)
  ANT 151 World Archaeology (3)
  ANT 161 Archaeology of Religion (3)
  ANT 171 Introduction to Egyptology (3)
  ANT 220 Middle East: Peoples & Cultures (3)
  ANT 224 Peoples & Cultures of Africa (3)
  GEO 101 Geography: The Eastern World (3)

GLC 133 Cultures of Central America & the Caribbean (1-3)
GLC 135 Cultures of the Amazon & Andes (1-3)
GLC 170 African Culture (1-3)
GLC 180 Australian Culture (1-3)
GLC 290 Special Topics in Global Studies (3)
HIS 160 Native American History (3)
HIS 201 Introduction to Non-Western Civilization (3)
PHL 201 World Religion (3)
POL 210 Comparative Politics (3)
POL 220 Middle Eastern Politics (3)

- ☐ Mathematics Course – *MAT 171 Pre-calculus (6)*
- ☐ 7 Credit Hours of Natural Science Courses:
  - ☐ Group I Course
  - ☐ 1 Laboratory Course
  - ☐ Group II Course – *PHY 240 College Physics I (4) and PHY 243 College Physics Laboratory (1)*

- ☐ *COL 299 Sophomore Portfolio Assessment (1)*

Computer Science: Institutional Graduation Requirement — 3 Hours Required

- ☐ One computer course is required for the Associate of Arts completion:
  Please meet with the UMSL Transfer Coordinator, the SCC Academic Advising Office, or refer to the SCC General Education online course listing for course options.

Electives — 19 Hours Required

After completion of the General Education, Associate of Arts students must also complete a number of elective hours to reach 64 total. The following listed SCC courses include those that are required for degree completion and others that are recommended as applicable to requirements of UMSL's Bachelor of Science in Physics.

- ☐ *MAT 180 Analytic Geometry & Calculus I (5)*
- ☐ *MAT 230 Analytic Geometry & Calculus II (5)*
- ☐ *MAT 240 Analytic Geometry & Calculus III (5)*
- ☐ *PHY 241 College Physics II (4) and PHY 244 College Physics II Laboratory (1)*
- ☐ *COL 101 College Success Seminar (1)*

For any questions regarding this guide please contact the Center for Student Success and Transfer Services at (314) 516-5162.