

UNIVERSITY OF MISSOURI - ST. LOUIS
AND
ST. CHARLES COMMUNITY COLLEGE

ASSOCIATE OF ARTS LEADING TO BACHELOR OF ARTS IN

PHYSICS

FIRST SEMESTER

SCC

*MATH 180 Calc I (5)
ENG 101 Comp I (3)
State Req./Social Science (3)
COL 101 Orientation to Coll. (1)
Humanities (Group I) (3)

Hours: (15)

UMSL Equiv.

Math 1800
Eng 1100

SECOND SEMESTER

SCC

MATH 230 Calc II (5)
SPE 101 Oral Com (3)
Social Science (Group II) (3)
ENG 102 Comp II (3)
CPT 115 Intro to D.P. (3)

Hours: (17)

UMSL Equiv.

Math 1900
Com 1040

Approved Elective
BA 1800

THIRD SEMESTER

SCC

MATH 240 Calc III (5)
Humanities (Group II) (3)
Social Science (Group I or II) (3)
PHY 240 / 243 College Phy I (5)

Hours: (16)

UMSL Equiv.

Math 2000

Phy 2111 A&B

FOURTH SEMESTER

SCC

Humanities (Group I or II) (3)
PHY 241/244 College Phys. II (5)
#Multicultural/Value (3)
Biological Science (Group I) (3-4)
COL 299 Capstone (1)

Hours: (15-16)

UMSL Equiv.

Phy 2112 A & B

FIFTH SEMESTER

UMSL

English 3100 Adv Expository Writing (3)
Physics 1099 Windows on Physics (1)
Physics 3200 Survey of Theoretical Phys (3)
Math 2020 Differential Equations (3)
Lang I 1001(5)

Hours: (15)

SIXTH SEMESTER

UMSL

CS 1250 Intro to Computing (3)
Physics 3221 Mechanics (3)
Physics 3223 Electronics & Magnetism (3)
Lang II 1002 (5)
Chemistry 1111 (5)

Hours: (19)

SEVENTH SEMESTER

UMSL

Physics 3231 Intro to Modern Physics (3)
4000 Level phys Physics electives (3)
Lang III 2101 (3)
Additional Electives (6)

Hours: (15)

EIGHTH SEMESTER

UMSL

4000 Level phys Physics Electives (3)
4000 level phys Physics Electives (3)
Additional Electives (6)

Hours: (12)

NOTE: See back page for additional information.

DEGREE NOTES:

It is recommended that the three physics electives include at least one of the following: Physics 4311 (Advanced Lab), Physics 4347 (Biophysics of Imaging), or Astrophysics 4322 (Observational Astronomy). Students interested in astronomy should also take Astrophysics 1050 and 1051 (Intro to Astronomy I & II) in the first two semesters at UMSL.

*Students begin their math sequence based on results of SCC Math Placement Test

#Courses that fulfill UMSL's Cultural Diversity Requirement: ANT 102, GEO 101, HST 201, GLC 170 or 180, PHL 201.

120 hours required for the BA in Physics

Student completing an degree from a MO community college that includes a CBHE approved general education core will be allowed transfer credit of more than 64 hours only if the additional lower division credits are applicable to the baccalaureate degree or are prerequisites for upper division courses in the major.

Maximum of 60 hours may transfer without AA

Please seek advisement from your SCC Academic Advisor for assurance of AA completion

CONTACT INFORMATION:

NOTE: IT IS IMPORTANT TO CONTACT THE UM-ST. LOUIS TRANSFER COORDINATOR EACH SEMESTER

SCC-Elizabeth Higgins, UM-St. Louis Transfer Coordinator, in room 2123 Administration Bldg., 636-922-8241

For additional information, contact Ta Pai Cheng in the UM-St. Louis Physics Department, 503J Benton Hall, 314-516-5931 or tpcheng@umsl.edu.