

UNIVERSITY OF MISSOURI-ST. LOUIS
AND
SOUTHWESTERN ILLINOIS COLLEGE

ASSOCIATE IN SCIENCE LEADING TO BACHELOR OF ARTS IN
PHYSICS

FIRST SEMESTER

SWIC

ENG 101 Rhetoric & Comp I (3)

*MATH 203 An Geo & Calc I (5)

Life Science (4)

Humanities (fine arts) (3)

HLTH 151 Health (2)

Hours: (17)

UMSL Equiv.

Approved

Elective

Math 1800

Gen Ed

Gen Ed

SECOND SEMESTER

SWIC

ENG 102 Rhetoric & Comp II (3)

Humanities (general) (3)

MATH 204 An Geo & Calc II (5)

PHYS 204 Engin. Phys (Mech) (4)

Social Science/Humanities (3)

Hours: (18)

UMSL Equiv.

Eng 1100

Gen Ed

Math 1900

Phys 2111

Gen Ed

THIRD SEMESTER

SWIC

POLS 150 Intro to Americ Gov (3)

MATH 205 An Geo & Calc III (4)

Humanities (3)

PHYS 205 Engineering Phys. II (4)

Soc Science/Non-west Culture (3)

Hours: (17)

UMSL Equiv.

Pol Sci 1100

Math 2000

Gen Ed

Phys 2112

Gen Ed/CD

FOURTH SEMESTER

SWIC

CHEM 105 General Chem. I (5)

SPCH 151 Fund of Pub Speak (3)

Social Science (3)

MATH 290 Differen Equations (3)

Hours: (14)

UMSL Equiv.

Chem 1111

Com 1040

Gen Ed

Math 2020

FIFTH SEMESTER

UMSL

ENG 3100 Advanced Expository Writing (3)

PHYS 1099 Windows on Physics (1)

PHYS 3200 Mathemat. Method of Theoretical Phys (3)

CS 1250 Introduction to Computer Science (3)

Foreign Language 1001 (5)

Hours: (15)

SIXTH SEMESTER

UMSL

PHYS 3223 Electricity and Magnetism (3)

PHYS 3221 Mechanics (3)

Elective (3)

Foreign Language 1002 (5)

Hours: (14)

SEVENTH SEMESTER

UMSL

PHYS 3231 Introduction to Modern Physics (3)

**4000 Level Physics Elective (3)

Foreign Language 2101 (3)

Electives (6)

Hours: (15)

EIGHTH SEMESTER

UMSL

4000 Level Physics Elective (3)

4000 Level Physics Elective (3)

Electives (6)

Hours: (12)

NOTE: See back of page for additional information.

DEGREE NOTES:

* Students begin their Math Sequence based on results of SWIC Math Placement Test.

** Courses to be selected in consultation with student's UM- St. Louis faculty advisor.

Minimum of 120 hours required for the BA in Physics

Students completing an AA/AS degree from SWIC that includes the IAI 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/AS degrees

Please seek advisement from your SWIC Counselor for assurance of completion of the Associate Degree

Students living in the Illinois counties of Madison, Monroe, St. Clair, and Jersey are eligible for the in-state tuition rate.

CONTACT INFORMATION:

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

Maya Scruggs, UM-St. Louis Transfer Coordinator, 225 MSC, 314-516-5873 or mms966@umsl.edu

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