

UNIVERSITY OF MISSOURI-ST. LOUIS
AND
SOUTHWESTERN ILLINOIS COLLEGE

ASSOCIATE IN SCIENCE LEADING TO BACHELOR OF SCIENCE IN
MATHEMATICS

FIRST SEMESTER

SWIC

ENG 101 Rhetoric & Comp I (3)
Life Science (4)
Humanities (3)
*MATH 203 An Geo & Calc I (5)

UMSL Equiv.

Approved Elective
Gen Ed
Gen Ed
Math 1800

Hours: (15)

THIRD SEMESTER

SWIC

Humanities (fine arts) (3)
Soc Science/Non-west Culture (3)
**Physical Science (5)
MATH 205 An Geo & Calc III (4)
Elective (2)

UMSL Equiv.

Gen Ed
Gen Ed/CD
Gen Ed
Math 2000

Hours: (17)

FIFTH SEMESTER

UMSL

ENG 3100 Advanced Expository Writing (3)
MATH 1320 Applied Statistics (3)
CS 1250 Introduction to Computing (3)
+Related Area Course (3-5)
Upper Level Elective (3)

Hours: (15-17)

SEVENTH SEMESTER

UMSL

MATH 4100 Advanced Calculus I (3)
MATH 4450 Linear Algebra (3)
+4000 Level Math Elective (3)
+Related Area Course (3)
Upper Level Elective (3)

Hours: (15)

SECOND SEMESTER

SWIC

ENG 102 Rhetoric & Comp II (3)
Humanities (general) (3)
POLS 150 Intro to Americ Gov (3)
MATH 204 An Geo & Calc II (5)
Social Science (3)

UMSL Equiv.

Eng 1100
Gen Ed
Pol Sci 1100
Math 1900
Gen Ed

Hours: (17)

FOURTH SEMESTER

SWIC

HLTH 151 Health (2)
MATH 170 Computer Science (4)
MATH 290 Differen Equations (3)
SPCH 151 Fund of Pub Speak (3)
***Approved Elective (3)

UMSL Equiv.

CS 1250
Math 2020
Com 1040

Hours: (15)

SIXTH SEMESTER

UMSL

MATH 3000 Discrete Structures (3)
MATH 4160 Functions of a Complex Variable (3)
+Related Area Course (3-5)
Upper Level Electives (6)

Hours: (15-17)

EIGHTH SEMESTER

UMSL

MATH 4400 Introduction to Abstract Algebra I (3)
+4000 Level Math or Statistics Elective (6)
Upper Level Electives (6)

Hours: (15)

NOTE: See back of page for additional information.

DEGREE NOTES:

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

**CHEM 105 or PHYS 204 are the recommended Physical Science courses.

***Approved Elective courses should always be chosen based on your major and the transfer institution.

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

Minimum of 120 hours required for the BS in Mathematics

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 Dr. Richard Friedlander in the UM-St. Louis Mathematics and Computer Science Department, 307 Computer Center Building, 314-516-5741 or friedlan@arch.cs.umsl.edu.