

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

ASSOCIATE IN ARTS IN GENERAL TRANSFER STUDIES leading to a BACHELOR OF SCIENCE in

MATHEMATICS

FIRST SEMESTER

SLCC Course (Hours)

*MTH 210 Analytic Geo.& Calc.I (5)
ENG 101 College Composition I (3)
IDS 101 Cornerstone (3)
Humanities (3)
PE Activity (1)

UMSL Equivalent

Math 1800
English 1100
Gen Ed Elective
Gen Ed
Free Elective

SECOND SEMESTER

SLCC Course (Hours)

MTH 220 Analytic Geo.& Calc.II (5)
COM 101 Oral Communication I (3)
**Approved Elective
State Requirement/Social Science (3)
Humanities (3)

UMSL Equivalent

Math 1900
Commun 1040
Approved Elective
Gen Ed
Gen Ed

Semester Hours: (15)

Semester Hours: (17)

THIRD SEMESTER

SLCC Course (Hours)

MTH 230 Analytic Geo.& Calc.III(5)
***Science (5)
+ Social Science (3)
MTH 215 Linear Algebra (3)
PE Activity (1)

UMSL Equivalent

Math 2000
Gen Ed Elective
Cultural Diversity
Math 2450
Free Elective

FOURTH SEMESTER

SLCC Course (Hours)

MTH 240 Differential Equations (3)
***Science (5)
Social Science
IDS 201 Capstone (4)

UMSL Equivalent

Math 2020
Gen Ed
Gen Ed
Gen Ed Elective

Semester Hours: (17)

Semester Hours: (15)

FIFTH SEMESTER

UMSL Course (Hours)

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

SIXTH SEMESTER

UMSL Course (Hours)

MATH 3000 Discrete Structures (3)
MATH 4160 Complex Analysis I (3)
++ Related Area Course (3-5)
Upper Level Elective (3)
Upper Level Elective (3)

Semester Hours: (15-17)

Semester Hours: (15-17)

SEVENTH SEMESTER

UMSL Course (Hours)

MATH 4100 Real Analysis I (3)
MATH 4450 Linear Algebra (3)
++ 4000 Level Mathematics Course (3)
++ Related Area Course (3-5)
Upper Level Elective (3)

EIGHTH SEMESTER

UMSL Course (Hours)

MATH 4400 Introduction to Abstract Algebra I (3)
++ 4000 Level Mathematics or Statistics Course (3)
++ 4000 Level Mathematics or Statistics Course (3)
Upper Level Elective (3)
Upper Level Elective (3)

Semester Hours: (15-17)

Semester Hours: (15)

DEGREE NOTES:

* Students begin their Math sequence based on their results on the SLCC Math Placement Test.

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

*** General Education Science courses that are recommended are a combination of either CHM 105 General Chemistry I and CHM 106 General Chemistry II or PHY 122 Engineering Physics I and PHY 223 Engineering Physics II.

+ St. Louis Community College social science courses that also fulfill University of Missouri- St. Louis cultural diversity requirement are ANT 102, ANT 201, ANT 202, ANT 203, ANT 205, ANT 206, ANT 207, GEG 100, HST 130, HST 131, HST 201, HST 205, PHL 103, POL SCI 204, and PSY 217.

++ Courses are to be selected in consultation with the student's University of Missouri- St. Louis faculty advisor.

A minimum of 120 hours is required for the Bachelor of Science in Mathematics.

Free Elective hours do not count towards the total required for graduation at the University of Missouri- St. Louis.

Students completing a degree from a Missouri 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.

A maximum of 60 hours may transfer without the completion of a degree including a CBHE approved general education core.

Please seek advisement from your SLCC Academic Advisor for assurance of Associates degree completion.

IT IS IMPORTANT TO CONTACT AN UMSL TRANSFER COORDINATOR EACH SEMESTER:

SLCC- Florissant Valley

Maya Scruggs, UMSL Transfer Coordinator: First Floor Administration Bldg., (314) 513-4260.

SLCC- Forest Park

Maya Scruggs, UMSL Transfer Coordinator: Student Center E228, (314) 644-9729.

SLCC- Meramec

Krystal Lang, UMSL Transfer Coordinator: Counseling & Advising, 201 Clark Hall, (314) 984-7575.

For additional information contact R. Friedlander in the University of Missouri- St. Louis Mathematics and Computer Science Department: 307 Computer Center Building, (314) 516-5741, friedlan@umsl.edu.