

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

ASSOCIATE OF ARTS LEADING TO BACHELOR OF SCIENCE IN

MATHEMATICS

FIRST SEMESTER

SCC

MTH 180 Calc. I (5)
ENG 101 Comp I (3)
Humanities (Group I) (3)
Biological Science (3-4)
COL 101 Orientation (1)

Hours: (15-16)

UMSL Equiv.

Math 1102
Eng 1100

SECOND SEMESTER

SCC

MTH 230 Calc. II (5)
SPE 101 Oral Com. (3)
ENG 102 Comp II (3)
Humanities (Group II) (3)
Social Science (Group II) (3)

Hours: (17)

UMSL Equiv.

Math 1900
Com 1040

THIRD SEMESTER

SCC

MTH 240 Calc. III (5)
* Physical Science (5)
Humanities (Group I/II) (3)
State Req./Social Science (3)
MTH 242 Linear Algebra (3)

Hours: (19)

UMSL Equiv.

Math 2000

Math 2450

FOURTH SEMESTER

SCC

#Multicultural/Value (3)
Soc Sci (Group I or II) (3)
CPT 115 Intro to D.P. (3)
**Physical Science (5)
COL 299 Capstone (1)
Math 250 Diff Equations (3)

Hours: (18)

UMSL Equiv.

BA 1800

Math 2020

FIFTH SEMESTER

UMSL

English 3100 Adv Expository Writing (3)
Math 1320 Applied Statistics (3)
Comp Sci 1250 Intro to Computing (3)
+Related Area Course (3-5)
Upper Level Elective (3)

Hours: (15-17)

SIXTH SEMESTER

UMSL

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

Hours: (15-17)

SEVENTH SEMESTER

UMSL

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

Hours: (15)

EIGHTH SEMESTER

UMSL

Math 4400 Intro Abstract Algebra I (3)
+4000 Level Math or Stats Elective (6)
Upper Level Electives (6)

Hours: (15)

NOTE: See back page for additional information.

DEGREE NOTES:

*CHM 110 & 113 **OR** PHY 240 are recommended physical science courses = UMSL CHM 111/PHY 2111

CHM 111 & 114 **OR PHY 241 are recommended physical science courses = UMSL CHM 1121/PHY 2112

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

+ To be selected in consultation with your Faculty Advisor.

120 hours required for the BA in Mathematics

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