

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

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

CHEMISTRY: OPTION 2

FIRST SEMESTER

SLCC Course (Hours)

ENG 101 College Composition I (3)
*MTH 185 Precalculus (5)
CHM 105 General Chemistry I (5)
IDS 101 Cornerstone (3)
PE Activity (1)

UMSL Equivalent

Englsh 1100
Math 1030 & 1035
Chem 1111
Gen Ed Elective
Free Elective

SECOND SEMESTER

SLCC Course (Hours)

CHM 106 General Chemistry II (5)
MTH 210 Analytic Geom.& Calc.I(5)
COM 101 Oral Communication I (3)
State Requirement/Social Science (3)

UMSL Equivalent

Chem 1121
Math 1800
Commun 1040
Gen Ed

Semester Hours: (16)

Semester Hours: (17)

THIRD SEMESTER

SLCC Course (Hours)

CHEM 206 Organic Chemistry I (3)
MTH 220 Analytic Geo.& Calc.II (5)
Humanities (3)
**Social Science (3)
PE Activity (1)

UMSL Equivalent

Chem 2612
Math 1900
Gen Ed
Cultural Diversity
Free Elective

FOURTH SEMESTER

SLCC Course (Hours)

CHM 207 Organic Chemistry II (3)
MTH 230 Analytic Geo.& Calc.III (5)
Humanities (3)
Social Science (3)
IDS 201 Capstone (4)

UMSL Equivalent

Chem 2622
Math 2000
Gen Ed
Gen Ed
Gen Ed Elective

Semester Hours: (18)

Semester Hours: (15)

FIFTH SEMESTER

UMSL Course (Hours)

ENGLSH 3100 Advanced Expository Writing (3)
PHYSICS 2111 Physics: Mechanics & Heat (5)
CHEM 2223 Quantitative Analysis (3)
BIOL 1811 Introduction to Biology I (5)

SIXTH SEMESTER

UMSL Course (Hours)

PHYSICS 2112 Phys.: Electricity, Magnetism, & Optics (5)
CHEM 2633 Techniques in Organic Chemistry (2)
BIOL 3622 Cell Biology (3)
CHEM 3022 Introduction to Chemical Literature (1)
CHEM 3312 Physical Chemistry I (3)
CHEM 3333 Physical Chemistry Laboratory I (2)

Semester Hours: (16)

Semester Hours: (16)

SEVENTH SEMESTER

UMSL Course (Hours)

CHEM 3322 Physical Chemistry II (3)
CHEM 4712 Biochemistry (3)
CHEM 4412 Inorganic Chemistry I (3)
CHEM 3412 Basic Inorganic Chemistry (3)

EIGHTH SEMESTER

UMSL Course (Hours)

CHEM 4722 Advanced Biochemistry (3)
CHEM 4212 Instrumental Analysis (3)
CHEM 4233 Instrumental Analysis Laboratory (2)
CHEM 4733 Biochemistry Techniques (3)
One of the following:

Semester Hours: (12)

CHEM 4764 Topics in Biochemistry (3)
CHEM 4772 Physical Biochemistry (3)
CHEM 3985 Chemical Research (3)
BIOL 4905 Research (3)

Semester Hours: (14)

DEGREE NOTES:

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

** 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.

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

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 Keith Stine in the University of Missouri- St. Louis Chemistry Department: 315 Benton Hall, (314) 516-5311, kstine@umsl.edu.