

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

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

COMPUTER SCIENCE

FIRST SEMESTER

SLCC Course (Hours)

*MTH 185 Precalculus (5)
ENG 101 College Composition I (3)
State Requirement/Social Science (3)
Humanities (3)
IDS 101 Cornerstone (3)

UMSL Equivalent

Math 1030 & 1035
English 1100
Gen Ed
Gen Ed
Gen Ed Elective

SECOND SEMESTER

SLCC Course (Hours)

MTH 210 Analytic Geom.& Calc.I(5)
COM 101 Oral Communication I (3)
Humanities (3)
**Social Science (3)
PE Activity (1)

UMSL Equivalent

Math 1800
Commun 1040
Gen Ed
Cultural Diversity
Free Elective

Semester Hours: (17)

Semester Hours: (15)

THIRD SEMESTER

SLCC Course (Hours)

MTH 220 Analytic Geo.& Calc.II (5)
+ IS 227 C Program Language I (3)
PHY 122 Engineering Physics I (5)
Social Science (3)

UMSL Equivalent

Math 1900
Approved Elective
Physcs 2111
Gen Ed

FOURTH SEMESTER

SLCC Course (Hours)

MTH 230 Analytic Geo.& Calc.III (5)
PHY 223 Engineering Physics II (5)
IDS 201 Capstone (4)
+ IS 229 Unix (3)
PE Activity (1)

UMSL Equivalent

Math 2000
Phys 2112
Gen Ed Elective
Cmp Sc 1250
Free Elective

Semester Hours: (16)

Semester Hours: (18)

FIFTH SEMESTER

UMSL Course (Hours)

MATH 2450 Elementary Linear Algebra (3)
ENGLISH 3100 Advanced Expository Writing (3)
CMP SC 2250 Programming & Data Structures (3)
MATH 1320 Applied Statistics I (3)
Related Area Course (3)

SIXTH SEMESTER

UMSL Course (Hours)

CMP SC 2700 Systems: Architecture & Organization (3)
CMP SC 3000 Discrete Structures (3)
Related Area Course (3)
Mathematics or Statistics Course above 2010 (3)
CMP SC 2260 Object Oriented Programming with C++ (3)

Semester Hours: (15)

Semester Hours: (15)

SEVENTH SEMESTER

UMSL Course (Hours)

CMP SC 2710 Computer Systems: Programming (3)
CMP SC 2750 Advanced Programming with Unix (3)
PHIL 4458 Ethics and the Computer (3)
CMP SC 3130 Design & Analysis of Algorithms (3)
Related Area Course (3)

EIGHTH SEMESTER

UMSL Course (Hours)

CMP SC 4740 Client-Server Architectures (3)
CMP SC 4280 Program Translation Techniques (3)
4000 level Computer Science Course (3)
4000 level Computer Science Course (3)

Semester Hours: (15)

Semester Hours: (12)

NINTH SEMESTER

UMSL Course (Hours)

CMP SC 4760 Operating Systems (3)
4000 Level Computer Science Course (3)
3000/4000 Level Computer Science Course (3)

Semester Hours: (9)

See next page for additional information. Revised 12/07

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.

+ Completion of both IS 227 C Program Language I and IS 229 Unix is equivalent to UMSL's CMP SC 1250 Introduction to Computing. However, taken alone, these courses will only transfer as Approved Electives. Students may register for these courses only with the successful completion of prerequisites.

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

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 Uday Chakraborty in the University of Missouri- St. Louis Mathematics and Computer Science Department: 328 Computer Center Building, (314) 516-6339, uday@arch.cs.umsl.edu.