

UNIVERSITY OF MISSOURI-ST. LOUIS
AND
SOUTHWESTERN ILLINOIS COLLEGE

ASSOCIATE IN SCIENCE LEADING TO BACHELOR OF SCIENCE IN

COMPUTER SCIENCE

FIRST SEMESTER

SWIC

ENG 101 Rhetoric & Comp I (3)
*MATH 203 An Geo & Calc I (5)
Life Science (4)
POLS 150 Intro to Americ Gov (3)
HLTH 151 Health (2)

UMSL Equiv.

Approved Elective
Math 1800
Gen Ed
Pol Sci 1100

SECOND SEMESTER

SWIC

ENG 102 Rhetoric & Comp II (3)
MATH 204 Anal Geo & Calc II (5)
Humanities (general) (3)
CHEM 105 General Chem. I (5)

UMSL Equiv.

Eng 1100
Math 1900
Gen Ed
Chem 1111

Hours: (17)

Hours: (16)

THIRD SEMESTER

SWIC

Humanities (fine arts) (3)
Social Science (3)
SPCH 151 Fund of Pub Speak (3)
MATH 205 An Geo & Calc III (4)
MATH 170 Computer Science I
(4)

UMSL Equiv.

Gen Ed
Gen Ed
Com 1040
Math 2000
CS 1250

FOURTH SEMESTER

SWIC

Humanities (3)
SOC SCI/Non-western Culture (3)
CHEM 106 Gen Chemistry II (5)
MATH 270 Computer Science II (4)

UMSL Equiv.

Gen Ed
Gen Ed/CD
Chem 1121
CS 2250

Hours: (17)

Hours: (15)

FIFTH SEMESTER

UMSL

MATH 2450 Elementary Linear Algebra (3)
ENG 3100 Advanced Expository Writing (3)
MATH 3000 Discrete Structures (3)
MATH 1320 Applied Statistics I (3)
Related Area Course (3-5)

SIXTH SEMESTER

UMSL

CS 2700 Comp Syst: Architecture & Organization (3)
CS 2710 Computer Systems: Programming (3)
Related Area Course (5)
Math Course Above 2010 (3)
CS 2260 Object Oriented Programming with C++ (3)

Hours: (15-17)

Hours: (17)

SEVENTH SEMESTER

UMSL

CS 4250 Programming Languages (3)
CS 2750 Advanced Programming with Unix (3)
PHIL 4458 Ethics and the Computer (3)
CS 3130 Design & Analysis of Algorithms (3)

EIGHTH SEMESTER

UMSL

CS 4740 Client-Server Architectures (3)
CS 4280 Program Translation Techniques (3)
3000/4000 Level Computer Science Course (3)
3000/4000 Level Computer Science Course (3)

Hours: (12)

Hours: (12)

NOTE: See back of page for additional information.

NINTH SEMESTER

UMSL

CS 4760 Operating Systems (3)

3000/4000 Level Computer Science Course (3)

4000 Level Computer Science Course **or**
Math Course Above 2010 (3)

Hours: (9)

DEGREE NOTES:

*Students will begin their math sequence based on the results of the required SWIC Math Placement Test

Minimum of 120 hours required for the BS in Computer Science

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