

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

ASSOCIATE OF ARTS LEADING TO BACHELOR OF SCIENCE IN

COMPUTER SCIENCE

FIRST SEMESTER

SCC

*MAT 180 Calc I (5)
ENG 101 Comp I (3)
State Req./Social Science (3)
Humanities (Group I) (3)
COL 101 Orient to College (1)

Hours: (15)

UMSL Equiv.

Math 1800
Eng 1100

SECOND SEMESTER

SCC

MAT 230 Calc II (5)
Social Sci. (Group II) (3)
Humanities (Group II) (3)
CPT 115 Intro to D.P. (3)
SPE 101 Oral Com (3)

Hours: (17)

UMSL Equiv.

Math 1900
BA 1800
Com 1040

THIRD SEMESTER

SCC

MAT 240 Calc III (5)
Humanities (Group I or II) (3)
ENG 102 Comp II (3)
Bio Science (Group I) (3-4)
+CPT 130 Intro to Unix (3)

Hours: (17-18)

UMSL Equiv.

Math 2000
Approved Elective

FOURTH SEMESTER

SCC

MAT 242 Lin Alg. (3)
Soc Sci (Group I or II) (3)
**Physical Science (5)
#Multicultural/Value (3)
COL 299 Capstone (1)
+CPT 182 C Prog. (3)

Hours: (18)

UMSL Equiv.

Math 2450

FIFTH SEMESTER

UMSL

Engl 3100 Adv Expository Writing (3)
Math 1320 Statistics (3)
Comp Sci 2250 Prog & Data Structure (3)
Related Area Course (3)

Hours: (12)

SIXTH SEMESTER

UMSL

Comp Sci 2700 Comp Sys: Arch & Organ (3)
Comp Sci 3000 Discrete Structures (3)
Related Area Course (3)
Add Math Higher than 2010 (3)
Comp Sci 2260 Obj Orient Prgrm w/ C++ (3)

Hours: (15)

SEVENTH SEMESTER

UMSL

Comp Sci 2710 Comp Sys Programming (3)
Comp Sci 2750 Adv Program w/ Unix (3)
Phil 4458 Ethics and the Computer (3)
Comp Sci 3130 Design & Anal Alg. (3)
Related Area Course (3)

Hours: (15)

EIGHTH SEMESTER

UMSL

Comp Sci 4760 Operating Systems (3)
Comp Sci 4280 Prgrm Trans. Tech (3)
Comp Sci 4250 Program Language (3)
4000 level Computer Science Course (3)
Related Area Course (3)

Hours: (15)

NINTH SEMESTER

UMSL

4000 level Comp Science Course (3)
4000 level Comp Science Course (3)
3000 Computer Science Course **or**
Math Course Above 2010 (3)

Hours: (9)

NOTE: See back page for additional information.

DEGREE NOTES:

+CPT 182 Programming in C + CPT 130 Intro to Unix Oper Sys = to UM-St. Louis CS 1250 Intro to Computing

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

**Recommended science courses: CHM 110 & 113 or PHY 240 & 243

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

120 hours required for the BS in Computer Science

Students completing an Associate in Arts or an Associate in Applied Science 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.

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