

2+2 Advising Guide in Computer Science Academic Year 2012-2013



UNIVERSITY OF
ILLINOIS
SPRINGFIELD

General Education Curriculum – SVCC Degree Requirements		
Course Number	Course Title	Hours
ENG 101	Composition I	3
ENG 103	Composition II	3
SPE 131	Intro to Oral Communication	3
MAT 203 or 221	Calculus/Analytical Geom. I or Calc. for Bus/SS	4/3
PSY 103	Intro. to Psychology	3
PHL 101	Introduction to Logic	3
	Sciences (Life and Physical)	7
	Fine Arts and Humanities	6
	Social Sciences	6
	First Year Experience	1
	Personal Development	3
	<i>(Choose from ART 101; ART 113; BIO 120; BUS 237; CIS 109; EDU 105; MUS 106, 131, 133, 135, 137, 139, 140, 155, 160, 215; PED 115 or any 100 level PED course; SPE 145,161, 232)</i>	
Foundation Preferences		
These courses are preferred lower division foundation course for all CSC undergraduate students.		
CIS 101	Fund. Of Computer Info Systems	3
CIS 122	Beginning JAVA Programming	3
MAT 231	Linear Algebra	3
MAT 230	Discrete Mathematics	3
MAT 240	Elementary Statistics	3
Electives		
CIS 150	Fund. of Bus. Comp. Programming	3
CIS 207	C++ Programming I	3
CIS 208	C++ Programming II	3
CIS 210	Systems Analysis and Design	3
Total		*68-69

College Core		
Required courses for all CSC undergraduate students (24 hours)		
Course Number	Course Title	Hours
CSC 275	Computer Programming Concepts II *	3
CSC 305	Entrance Requirements	0
CSC 376	Computer Organization	4
CSC 385	Data Structures and Algorithms	4
CSC 387	Foundations of Computer Science	4
CSC 388	Programming Languages	4
CSC 389	Intro to Operating Systems	4
CSC 478	Software Engineering Capstone	4
CSC 405	Exit Assessment	0
Computer Science Electives		
	CSC Electives	12-13
Engaged Citizenship Common Experience (ECCE) (12 hrs)		
	US Communities- CSC 442 recommended	4
	Global Awareness- CSC 315 recommended	4
	Engagement Experience – AST 300	3
	Speaker Series	1
Total		51-52

Illinois Articulation Initiative General Education Core Curriculum Requirements:

Subject Area:	Courses:	Semester Hours:
Communication	Two writing courses and one oral communication course.	9
Mathematics	One or two courses.	3-6
Physical and Life Sciences	Two courses: select one physical science, one life science. At least one must be a laboratory course.	7-8
Humanities and Fine Arts	Select at least one humanities course and at least one fine arts course; the third may be either.	9
Social and Behavior Sciences	Select 3 courses from at least two different disciplines.	9

Student would be encouraged to take CSC 275 concurrently with the last semester at Sauk Valley (course is available online through UIS).

*SVCC students are welcome to take up to 69 total hours of college course work with SVCC to apply to their degree in CSC from UIS.