Transfer Guide Bachelor of Science: Computer Science
(Spring 2025)

Sauk Valley Community College

UNIVERSITY OF ILLINOIS SPRINGFIELD

Associate in Arts: Computer Science/Information Tech. at SVCC			Bachelor of Science: Computer Science at UIS		
Course #	**Course Title**	**HRS**	**Course #**	**Course Title**	**HRS**
ACC 101	Financial Accounting	4	Computer Science Foundation Requirements		
CIS 150	Fund. Business Computer Programming	3	^ Notates if a requirement was fulfilled at SVCC		
ENG 101	Composition I	3	CSC 225	Computer Programming Concepts I	3
FYE 101	First Year Experience	1	CSC 227	Computer Programming Concepts II***	3
MAT 203 or MAT 220 or MAT 221	Calculus & Analytical Geometry I or Finite Mathematics or Calculus for Business & Social Science	3-4	CSC 302^ or MAT 114^ or MAT 302^	Discrete Structures or Finite Mathematics & its Applications Discrete Mathematics	0^
*	IAI Life Science Course	3-4	MAT 113^ or MAT 115^	Business Calculus Calculus I	0^
ACC 102	Managerial Accounting	4	MAT 121^	Applied Statistics	0^
BUS 214 or MAT 240	Business Statistics Elementary Statistics	3		**Total Hours in this Section:**	**6**
CIS 207**	C++ Programming	3	Computer Science Core Coursework^^		
ENG 103	Composition II	3	CSC 305	Entrance Assessment	0
	IAI Fine Arts Course	3	CSC 376	Computer Organizations	4
	IAI Social/Behavioral Science Course	3	CSC 385	Data Structures and Algorithms	4
CIS 208	C++ Programming II	3	CSC 387 or CSC 482	Foundations of Computer Science OR Algorithms and Computation	4
COM 131	Introduction to Oral Communication	3	CSC 388	Programming Languages	4
ECO 211	Principles of Macroeconomics	3	CSC 389	Introduction to Operating Systems	4
MAT 230	Discrete Mathematics	3	CSC 405	Exit Assessment	0
	IAI Humanities Course	3	CSC 478	Software Engineering Capstone	4
	IAI Humanities/Fine Arts Course	3	Computer Science Software Core Course Electives****		12
	Personal Development	3		**Total Hours in this Section:**	**36**
*	IAI Physical Science Course	3-4	Additional University Requirements : ECCE		**10**
ECO 212	Principles of Microeconomics	3	Engaged Citizenship Common Experience (ECCE): Students must complete 9 hrs from 2 of the following categories: U.S.Communities, Global Awareness, or Engagement Experience. Students must complete ≥3 hrs in 2 of the 3 categories. The remaining 1 hr is completed w/ enrollment in Speaker Series.		
	Total SVCC AA Hours:	**64-65**			

* One lab science required.

**CIS 150 or prev. programming experience required as a CIS 207 prerequisite

UIS Requires 120 Minimum hours for Undergraduate Completion. These hours can be electives, a minor, interest courses, etc.	**3-4**

*** Or the equivalent to two semesters of Java programming.

^^Core courses must be taken at UIS. Exceptions may be requested.

****Applicable CSC electives are numbered CSC 350 or higher and must be chosen in consultation with a CSC academic advisor. CSC courses that include "ECCE" in the title may not be counted as a CSC Elective.

TOTAL HOURS SVCC & UIS: 120

Total UIS CSC BS Hours: 55-56