Associate in Science at Heartland to Bachelor of Science in Computer Science at UIS
Heartland Community College and University of Illinois Springfield

This is a suggested course pattern. Students must work with their advisor to develop a curriculum plan that meets their scheduling needs. Summer classes can also reduce the load during the fall and spring semesters.

HEARTLAND COMMUNITY COLLEGE				
FIRST YEAR	**COURSE NAME**	**CREDIT HOURS**		
		SUMMER	**FALL**	**SPRING**
CSCI 101	Intro Computer Info Science	4		
ENGL 101	Composition I		3	
CSCI 115	Discrete Structures		4	
CSCI 130	Computer Science I		3	
NETW 150	Workstation Operating Systems		3	
Humanities	IAI Humanities		3	
ENGL 102	Composition II			3
MATH 141	Statistics			4
CSCI 131	Computer Science II			4
Social Beh Science	IAI Social Behavioral Science			3
Life Science	IAI Life Science			3-4
Total Credit Hours		**4**	**16**	**17-18**
SECOND YEAR	**COURSE NAME**	**CREDIT HOURS**		
		SUMMER	**FALL**	**SPRING**
Social Beh Science	IAI Social Behavioral Science	3		
CSCI 110	Intro to Database Mgmt Systems		4	
Social Beh Science	IAI Social Behavioral Science		3	
NETW 160	Introduction to Networking		3	
CSCI Elective	CSCI Elective		4	
Physical Science	IAI Physical Science		3-4	
COMM 101	Intro to Speech Communication			3
MATH 161	Calculus			4
BUSN 145	Employment Success Strategies			1
Fine Arts	IAI Fine Arts			3
CSCI Elective	CSCI Elective			4
Humanities *or* Fine Arts	IAI Humanities *or* IAI Fine Arts			3
Total Credit Hours		**3**	**17-18**	**18**

HCC/UIS Computer Science Agreement / Revised March, 2013

UNIVERSITY OF ILLINOIS SPRINGFIELD		
College Core Requirements	**Course Name**	**Credit Hours**
CSC 305	Entrance Assessment	0
CSC 376	Computer Organization	4
CSC 385	Data Structures & 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 Elective		4
CSC Elective		4
CSC Elective		4
General Electives		
ECE Engagement Experience	AST 300 Gen. Applied Study Term	2
Engaged Citizen Common Experience (ECCE)		
ECCE US Communities		3
ECCE Global Awareness		3
ECCE Engagement Experience		3
ECCE UIS Speaker's Series		1
Total Credit Hours		**48**

- Subject to curricular changes or revisions
- A maximum of 72 hours of lower division transfer credit may be applied towards this bachelor's degree program.
- The UIS Computer Science Department *may consider* allowing students to transfer lower-division CSC electives as part of the 72 hours. However, students must earn at least 48 hours of credit at the upper-division level.