



Associate in Arts at Heartland Community College to Bachelor's Degree in Computer Science at Illinois Wesleyan University

*This is a suggested course pattern. Students must work with their advisor to develop a curriculum plan that meets their scheduling needs. At HCC, ** indicates course needed for the major. + indicates an IWU graduation requirement.*

HEARTLAND COMMUNITY COLLEGE			
FIRST YEAR	COURSE NAME	CREDIT HOURS	
		FALL	SPRING
ENGL 101	Critical Reading and Writing	3	
CSCI 115**	Discrete Structures	4	
IAI Life Science	Any IAI Life Science	3-4	
Elementary Language 101	Elementary Language I	4	
ENGL 102	Multimodal Composition		3
CSCI 101**	Intro to Computer Information Science		4
IAI Physical Science	Any IAI Physical Science		3-4
IAI Social Behavioral	Any IAI Social/Behavioral Science		3
Elementary Language 102	Elementary Language II		4
Total Credit Hours		14-15	17-18
SECOND YEAR	COURSE NAME	CREDIT HOURS	
		FALL	SPRING
COMM 101	Intro to Oral Communication	3	
CSCI 130**	Computer Science I	4	
IAI Humanities	Any IAI Humanities Course	3	
Language 201+	Intermediate Language I	4	
IAI Social Behavioral	Any IAI Social/Behavioral Science	3	
CSCI 131**	Computer Science II		4
IAI Humanities/Fine Arts	Any IAI Humanities/Fine Arts		3
IAI Social Behavioral	Any IAI Social/Behavioral Science		3
IAI Fine Arts	Any IAI Fine Arts		3
Elective	Elective		3
Total Credit Hours		17	16

ILLINOIS WESLEYAN UNIVERSITY			
THIRD YEAR	COURSE NAME	UNIT HOURS	
		FALL	SPRING
CS 136	Computational Discrete Mathematics	1	
CS 253	Software Development (W)	1	
3xx or 4xx	Upper Level Elective outside the Major	1	
1xx - 4xx	Elective outside the Major	1	
CS 256	Computer Organization & Architecture Algorithm		1
CS 354	Design & Analysis		1
3xx or 4xx	Upper Level Elective in the Major		1
1xx - 4xx	Elective outside the major		1
Total Units		4	4
FOURTH YEAR	COURSE NAME	UNIT HOURS	
		FALL	SPRING
CS 355	Programming Languages	1	
3xx or 4xx	Upper Level CS Elective, not CS 498 or 499	1	
3xx or 4xx	Upper level elective outside the major	1	
1xx - 4xx	Elective outside the major	1	
CS 357	Models of Computing (W)		1
3xx or 4xx	Upper Level CS Elective, not CS 498 or 499		1
3xx or 4xx	Upper Level CS Elective, not CS 498 or 499		1
1xx - 4xx	Elective outside the major		1
Total Units		4	4

- At Heartland, choose a (G) Global Diversity and a (U) US Diversity course from recommended list to meet IWU graduation requirements.
- AP scores with 4 or higher, or higher level IB scores of 5 or higher, can be used to meet general education requirements at IWU, but not major or minor requirements.
- Remedial math courses may be needed to prepare for the math requirement. However, remedial courses will not transfer to IWU. Adjust schedule and hour requirements accordingly to complete degree.
- Completion of any 201 language course would complete the 2nd language requirement.
- Students should complete a minimum of 64 semester hours, not including remedial or equivalent PE courses, at Heartland to be on track to complete their bachelor's degree in a total of four years.
- Students are required, at minimum, to complete 16 units of coursework at IWU including half of all major requirements.
- Graduation requirements: 32 total courses and 32 total units with 9 courses and 9 units of upper level courses, and 18 courses and 18 units outside the major. (1 IWU unit = 4 semester hours)