



Associate in Arts at Heartland Community College to Bachelor's Degree in Neuroscience at Illinois Wesleyan University (For pre-med track students with a concentration in cellular/molecular neuroscience)

*This is a suggested course pattern. Students must work with their advisor to develop a curriculum plan that meets their scheduling needs. ** 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	
CHEM 161**	General Chemistry I w/Lab	5	
BIOL 181**	Anatomy & Physiology I	4	
Language 101	Elementary Language I	4	
ENGL 102	Multimodal Composition		3
CHEM 162**	General Chemistry II		5
BIOL 182**	Anatomy & Physiology II		4
Language 102	Elementary Language II		4
Total Credit Hours		16	16
Summer	Course Name		Credit Hours
MATH 111 or 161	Finite Math or Calculus I		4-5
SOC 101	Introductory Sociology		3
Total Credit Hours			7-8
SECOND YEAR	COURSE NAME	CREDIT HOURS	
		FALL	SPRING
COMM 101	Intro to Oral Communication	3	
CHEM 241**	Organic Chemistry I	5	
IAI Humanities	Any IAI Humanities Course	3	
Language 201+	Intermediate Language I	4	
PSY 101	Introduction to Psychology	3	
CHEM 242**	General Chemistry II		5
IAI Fine Arts	Any IAI Fine Arts		3
MATH 141	Introduction to Statistics		4
IAI Humanities/Fine Arts	Any IAI Humanities/Fine Arts		3
IAI Life Science	Life Science (preferably lecture only)		3
Total Credit Hours		18	18

It is recommended that you complete the IAI GECC through Heartland. Meeting all of the GECC requirements will automatically meet the Illinois Wesleyan general education requirements. In this plan, you will leave Heartland missing one Social and Behavioral Sciences course. You may take that course at IWU and through the reverse transfer process, you will complete the requirements at Heartland. In choosing courses, please work with your advisor to also complete the IWU Encountering Diversity requirement. Those requirements are detailed below.

ILLINOIS WESLEYAN UNIVERSITY			
THIRD YEAR	COURSE NAME	UNIT HOURS	
		FALL	SPRING
PSYC 213	Behavioral Neuroscience	1	
BIOL 312	Genetics	1	
PHYS 105	Physics I - Mechanics	1.25	
3xx or 4xx	Choose from Chem 317 or 414	1	
3xx or 4xx	BIOL 309 or PSYC 300 (has pre-req of Psyc 227)		1
BIOL 325	Cellular and Molecular Neuroscience		1
3xx or 4xx	CHEM 415 if completing sequence; or Choose BIOL 307, 311, 410, 411, 412, or NEUR 395, 499.		1
PHYS 106	Physics II – Electricity, Magnetism and Optics		1.25
Total Units		4.25	4.25
FOURTH YEAR	COURSE NAME	UNIT HOURS	
		FALL	SPRING
3xx or 4xx	Choose from BIOL 307, 311, 410, 411, 412, or NEUR 395, 499 (may meet W flag).	1	
3xx or 4xx	Upper Level Elective (W) in or outside of major	1	
1xx-4xx	Elective	1	
1xx-4xx	Work with advisor to complete any remaining requirements for GECC at HCC.	1	
Capstone	Choose 1 from: NEUR 400, BIOL 499 or PSYC 401 (Choose course to meet W requirement in major if not completed)		1
3xx or 4xx	Upper Level Elective		1
3xx or 4xx	Choose from PSYC 302, 311, 313, 314, 321, 329 or NEUR 395, 499		1
3xx or 4xx	Upper Level Elective		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 11 courses and 11 units of upper level courses, and 18 courses and 18 units outside the major. (1 IWU unit = 4 semester hours)