



**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*

<b>HEARTLAND COMMUNITY COLLEGE</b>			
<b>FIRST YEAR</b>	<b>COURSE NAME</b>	<b>CREDIT HOURS</b>	
		<b>FALL</b>	<b>SPRING</b>
ENGL 101	Critical Reading and Writing	3	
CHEM 161**	General Chemistry I w/Lab (IWU 201)	5	
BIOL 181**	Anatomy & Physiology I (IWU 107)	4	
Language 101	Elementary Language I	4	
ENGL 102	Multimodal Composition		3
CHEM 162**	General Chemistry II (IWU 202)		5
BIOL 182**	Anatomy & Physiology II (IWU 108)		4
Language 102	Elementary Language II		4
<b>Total Credit Hours</b>		<b>16</b>	<b>16</b>
<b>Summer</b>	<b>Course Name</b>		<b>Credit Hours</b>
MATH 111 or 161	Finite Math or Calculus I (IWU 110 or 176)		4
SOC 101	Introductory Sociology (IWU 101)		3
<b>Total Credit Hours</b>			<b>7</b>
<b>SECOND YEAR</b>	<b>COURSE NAME</b>	<b>CREDIT HOURS</b>	
		<b>FALL</b>	<b>SPRING</b>
COMM 101	Intro to Oral Communication	3	
CHEM 241**	Organic Chemistry I (sub for IWU 311)	5	
IAI Humanities	Any IAI Humanities Course	3	
Language 201+	Intermediate Language I	4	
PSY 101	Introduction to Psychology (IWU 100)	3	
CHEM 242**	Organic Chemistry II (sub for IWU 312)		5
IAI Fine Arts	Any IAI Fine Arts		3
MATH 141	Intro to Statistics (IWU 141/ sub for PSYC 227)		4
IAI Humanities/Fine Arts	Any IAI Humanities/Fine Arts		3
IAI Life Science	Life Science (preferably lecture only)		3
<b>Total Credit Hours</b>		<b>18</b>	<b>18</b>

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, if you have not already completed additional coursework through AP credit or dual credit, 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
NEUR 213	Behavioral Neuroscience	1	
BIOL 212	Genetics (lecture only)	1	
PHYS 105	Physics I - Mechanics	1.25	
<b>CHEM 3xx or 4xx</b>	Choose from Chem 317 or 414 Biochemistry	1	
<b>3xx or 4xx</b>	BIOL 323 or PSYC 300 (has pre-req of Psys 227)		1
<b>BIOL 325</b>	Cellular and Molecular Neuroscience		1
<b>3xx or 4xx</b>	1st of 2 upper-level biology or chemistry courses		1
PHYS 106	Physics II – Electricity, Magnetism and Optics		1.25
<b>Total Units</b>		<b>4.25</b>	<b>4.25</b>
FOURTH YEAR	COURSE NAME	UNIT HOURS	
		FALL	SPRING
<b>3xx or 4xx</b>	2nd of 2 upper-level biology or chemistry courses	1	
<b>3xx or 4xx</b>	Upper-level elective	1	
1xx-4xx	Elective	1	
1xx-4xx	Work with an advisor and the Registrar's Office to complete any remaining requirements for HCC GECC.	1	
<b>NEUR 400</b>	Neuroscience Capstone (W)		1
<b>NEUR 3xx or 4xx</b>	Choose from 311, 313, 314, 316, 321, 329, 395, or 499		1
<b>3xx or 4xx</b>	Upper-level Elective		1
1xx-4xx	Elective		1
<b>Total Units</b>		<b>4</b>	<b>4</b>

- Complete both BIOL 181 & BIOL 182 with a C or better to be equivalent to IWU 107 & 108
- Complete both CHEM 161 & CHEM 162 with a C or better to be equivalent to IWU 201 & 202
- **Pre-medical Students:** Pre-medical students are advised to take either HCC Introduction to Psychology (PSY 101) or IWU General Psychology (PSYC 100) before taking the Medical College Admissions Test. Similarly, Pre-medical students should take either HCC Sociology (SOC 101) or IWU Sociology 101.
- **COMM 101:** The COMM 101 course does not fulfill any IWU requirements. Students who plan to complete the GECC, plan to transfer IWU courses back to HCC for completion of the Associate's Degree, or who plan to pursue the Pharm. D. degree after the bachelor's degree, should take COMM 101. (Pharmacy schools require a speech course.) Students who plan to complete the IWU General Education program may wish to opt out of COMM 101.
- Remedial math courses may be needed to prepare for MATH 161. However, remedial courses will not transfer to IWU. Adjust schedule and semester hour requirement accordingly to complete degree.
- To meet IWU encountering diversity requirements choose one course from each group. 1 **US Diversity** (CHLD 207, Film 211, HIST 135, 136, 210, MUSI 260, POS 101, SOC 110, SOC 135, or SOC 221) and 1 **Global Diversity** (ANTH 101, HIST 150, HUMA 210, HUMA 270, MUSI 160, POS 151, JAPN 202, SPAN 202) while at Heartland.
- AP scores of 3, 4, or 5 and Standard level IB scores of 5 or higher will receive 1 unit of credit.
- The IWU Second Language requirement can be met by completing the intermediate level (201) course of any language or by earning a 4 or 5 on the AP exam in a second language. Visit the IWU website for information: <https://www.iwu.edu/registrar/transfer-credit-faq.html>

- Students should complete a minimum of 64 semester hours, not including remedial or PE courses, at HCC to be on track to complete their bachelor's degree in a total of 4 years.
- Students are required, at minimum, to complete 16 units of coursework at IWU including half of all major requirements.
- IWU graduation requirements: 32 total courses and 32 total units with 9 courses and 9 units of upper level (300/400) courses. (1 IWU unit = 4 semester hours)

Bloomington, IL 2024-2025