



Associate in Arts at Heartland Community College to Bachelor's Degree in Biology for the Pre-Med Track 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	
BIOL 161**	Principles of Biology I (IWU 101)	4	
CHEM 161	General Chemistry I w/Lab (IWU 201)	5	
Language 101	Elementary Language I	4	
ENGL 102	Multimodal Composition		3
BIOL 162**	Principles of Biology II (IWU 102)		4
CHEM 162	General Chemistry II w/ Lab (IWU 202)		5
Language 102	Elementary Language II		4
Total Credit Hours		16	16
SUMMER			
	COURSE NAME	CREDIT HOURS	
SOC 101	SOCIOLOGY (SBS)	3	
FINE ART	CHOOSE ANY IAI FINE ART	3	
TOTAL CREDIT HOURS		6	
SECOND YEAR	COURSE NAME	CREDIT HOURS	
		FALL	SPRING
MATH 161	Calculus I (IWU 176)	4	
CHEM 241	Organic Chemistry I	5	
Humanities/Fine Arts	Any IAI Humanities/Fine Arts	3	
Language 201+	Intermediate Language I	4	
COMM 101	Intro to Oral Communication		3
CHEM 242	Organic Chemistry II		5
MATH 141	Introduction to Statistics		4
PSY 101	Introduction to Psychology (SBS)		3
Humanities	Any IAI Humanities (check diversity requirements)		3
Total Credit Hours		16	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, 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 this requirement at IWU and through the reverse transfer process, you will complete the requirements at Heartland. In choosing those 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
BIOL 212	Introductory Genetics	1.25	
BIOL 216	Foundations of Evolution	1.25	
PHYS 105	Physics I - Mechanics	1	
CHEM 414	Biochemistry I w Lab	1	
BIOL 3XX or 4XX	Work with advisor to select Cellular/Molecular class		1.25
PHYS 106	Physics II – Electricity, Magnetism and Optics		1.25
CHEM 415	Biochemistry II (W)		1
3XX or 4XX	Writing Intensive Elective inside the major		1
Total Units		4.5	4.5
FOURTH YEAR	COURSE NAME	UNIT HOURS	
		FALL	SPRING
3XX or 4XX	Work with advisor to select Ecology/Diversity class	1	
3xx or 4xx	Work with advisor to select research emphasis course	1	
1XX - 4XX	Work with advisor to complete GECC at HCC	1	
1XX - 4XX	Work with advisor to complete GECC at HCC	1	
BIOL 3XX or 4XX	Work with advisor to select Organismal Biol class		1
BIOL 3XX - 4XX	Work with advisor to fulfill major requirements		1
BIOL 3XX - 4XX	Work with advisor to fulfill major requirements		1
1xx or 4xx	Elective		1
Total Units		4	4

- Complete both BIOL 161 & BIOL 162 with a C or better to be equivalent to IWU 101 & 102
- 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.
- Both 212 and 216 should be completed by the end of the junior year; ideally during the fall semester if possible.
- Six additional courses are required at the 300 or 400 -level. Courses should be selected to meet the following criteria for the degree: one course in each of the bolded topics above plus additional major electives to complete the six courses. At least one course should meet the writing intensive requirement.
- Students are encouraged to work with their advisor in order to select appropriate courses to meet these requirements. A possible course pattern is provided.

- **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 in Arts 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.
- **Flexibility in Course Sequencing:** Some students may feel more comfortable taking CHEM 161/162 in their first year at HCC and BIOL 161/162 and CHEM 241/242 in their second year at HCC.
- Remedial math courses may be needed to prepare for MATH 161. However, remedial courses will not transfer to IWU. College Algebra, College Trigonometry and Precalculus will not transfer to IWU. Adjust schedule and semester hour requirement accordingly to complete degree.
- To meet IWU graduation 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-Normal, IL, 2024-2025