



Associate in Arts at Heartland Community College to Bachelor's Degree in Biochemistry 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. ** 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	
MATH 161**	Calculus I	5	
CHEM 161**	General Chemistry I w/Lab	5	
Language 101	Elementary Language I	4	
ENGL 102	Multimodal Composition		3
MATH 162**	Calculus II		5
CHEM 162**	General Chemistry II w/Lab		4
Language 102	Elementary Language II		4
Total Credit Hours		17	16
SECOND YEAR	COURSE NAME	CREDIT HOURS	
		FALL	SPRING
CHEM 241**	Organic Chemistry I	5	
BIOL 161**	Principles of Biology I	4	
Language 201+	Intermediate Language I	4	
COMM 101	Introduction to Oral Communication (Please see note about COMM 101)	3	
CHEM 242**	Organic Chemistry II		5
BIOL 162**	Principles of Biology II		4
IAI Fine Arts	Any IAI Fine Arts		3
SOC 101*	Introductory Sociology		3
PSY 101*	Introduction to Psychology		3
Total Credit Hours		16	17

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 three courses to complete the GECC; one Social and Behavioral Sciences courses, and two courses in the Humanities/Fine Arts area. You may take those requirements 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
CHEM 414 1XX - 4XX PSY 227 BIOL 312	Biochemistry I w/Lab Elective outside of major (to meet GECC) Statistics (or an elective if not a premed student) Genetics	1 1 1 1	
CHEM 415 1XX - 4XX 3xx or 4xx 3xx or 4xx	Biochemistry II Elective outside of major (to meet GECC) Upper Level Elective outside the major Choose 1: CHEM 301, 322, 332, 380, 413, 432, 470; OR BIOL 307, 311, 313, 315, 330, 410, 411, 412		1 1 1 1
Total Units		4	4
FOURTH YEAR	COURSE NAME	UNIT HOURS	
		FALL	SPRING
CHEM 321 Elective 3xx or 4xx 1XX - 4XX	Physical Chem I: Thermodynamics Elective outside of major (to meet GECC) Upper Level Elective outside the major Writing Intensive Elective outside the Major	1 1 1 1	
1XX - 4XX 3xx or 4xx 1xx - 4xx 3XX or 4XX	Elective Upper level elective in or outside the major Elective outside the major Choose 1: CHEM 301, 322, 332, 380, 413, 432, 470; OR BIOL 307, 311, 313, 315, 330, 410, 411, 412		1 1 1 1
Total Units		4	4

Notes

- 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.
- **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 Associates 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 and BIOL 161/162 in their first year at HCC and MATH 161/162 and CHEM 241/242 in their second year at HCC. This approach allows each semester to have a better balance between quantitative and conceptual STEM coursework. This is also a good arrangement for any student who takes pre-calculus mathematics before MATH 161.
- **Foreign Language:** Illinois Wesleyan requires students to complete a three-semester language sequence (101, 102, 201) or demonstrate commensurate proficiency. Students beginning language study at Heartland should be apprised of which languages can be continued at Illinois Wesleyan. Illinois Wesleyan offers 101-202 sequences in French, Spanish, Italian and Japanese. Illinois Wesleyan does not offer courses in Chinese or German. Completion of HCC GER 201, SPAN 201, FREN 201, ITAL 201, JAPN 201 would complete 2nd language requirement.
- **Encountering Diversity requirements:** When choosing courses to fulfill GECC courses at IWU, students should choose one G (Global Diversity) course and one U (Encountering U.S. Diversity) course to meet Encountering Diversity requirements.

- **AP and IB:** AP scores of 4 or higher and higher level IB scores of 5 or higher can be used to meet General Education requirements at IWU. If scores were used to meet major content requirements, equivalent hours within the major will be required.
- **Remedial Math:** 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.

Ensuring Sufficient Coursework for Timely Graduation:

- Students must complete a minimum of 64 semester hours, not including remedial courses or equivalent PE courses, at HCC to be on track to complete their bachelor's degree in 4 years.
- Students are required, at a 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)