



**Associate in Arts at Harper College to Bachelor's Degree in Chemistry at Illinois Wesleyan University**

This plan is for students who plan to work in industry or attend graduate study in chemistry.

*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*

HARPER COLLEGE			
FIRST YEAR	COURSE NAME	CREDIT HOURS	
		FALL	SPRING
CHM 121**	General Chemistry I w/Lab (IWU 201)	5	
ENG 101	Composition	3	
MTH 200**	Calculus I (sub for IWU 176)	5	
Language 101	Elementary Language I	4	
CHM 122**	General Chemistry II w/ Lab (IWU 202)		5
ENG 102	Composition		3
MTH 201**	Calculus II (IWU 177)		5
Language 102	Elementary Language II		4
<b>Total Credit Hours</b>		<b>17</b>	<b>17</b>
SECOND YEAR	COURSE NAME	CREDIT HOURS	
		FALL	SPRING
CHM 204**	Organic Chemistry I (sub for IWU 311)	5	
PHY 201**	Mechanics (IWU 101)	5	
Language 201+	Intermediate Language I	4	
SPE 101	Fundamentals of Speech Communication	3	
CHM 205**	Organic Chemistry II (sub for IWU 312)		5
PHY 202**	Electricity and Magnetism (IWU 102)		4
IAI Social Behavioral Sci	IAI Social Behavioral Sci (Diversity course)		3
IAI Social Behavioral Sci	IAI Social Behavioral Sci (Diversity course)		3
IAI Life Science	Any IAI Life Science		3
<b>Total Credit Hours</b>		<b>17</b>	<b>18</b>

- It is recommended that you complete the IAI GECC through Harper. Meeting all of the IAI GECC requirements will automatically meet the Illinois Wesleyan general education requirements. In this plan, you will leave Harper missing four courses to complete the GECC; one Social and Behavioral Sciences courses, and three courses in the Humanities/Fine Arts area.
- It may be possible to take those requirements at IWU and through the reverse transfer process, you will complete the requirements at Harper. In choosing those courses, please work with your advisor to also complete the IWU Encountering Diversity requirement. Those requirements are detailed below.
- See [Diversity Requirement](https://www.harpercollege.edu/catalog/handbook/requirements/diversity.php) for Harper College (https://www.harpercollege.edu/catalog/handbook/requirements/diversity.php)
  - At Harper College, choose a (G) Global Diversity and a (U) US Diversity course from recommended list to meet IWU graduation requirements. **Global Diversity options:** ANT 202, HST245, HUM 106, PSC 250, SOC 120. **US Diversity options:** HST 111, HST 112, MUS 104, MUS 106, PSC 101, SOC 230, SOC 235, THE 121.

ILLINOIS WESLEYAN UNIVERSITY			
THIRD YEAR	COURSE NAME	UNIT HOURS	
		FALL	SPRING
CHEM 301	Quantitative Analysis	1.25	
CHEM 321	Physical Chemistry I: Thermodynamics	1.25	
1XX - 4XX	Elective (work with advisor to select G or US flag if needed)	1	
Elective	Elective	1	
CHEM 300	Chemistry Seminar		
CHEM 322	Physical Chemistry II: Kinetics		1
CHEM 332	Inorganic Chemistry		1
3XX or 4XX	Upper Level Elective		1
1XX - 4XX	Elective		1
CHEM 300X	Chemistry Seminar		.25
<b>Total Units</b>		<b>4.5</b>	<b>4.25</b>
FOURTH YEAR	COURSE NAME	UNIT HOURS	
		FALL	SPRING
CHEM 3XX or 4XX	Choose from CHEM 304, 323, 324, 413, 414, 415, 432, 470	1.25	
3XX or 4XX	Upper Level Elective	1	
1xx-4xx	Elective	1	
1xx-4xx	Elective	1	
CHEM 300	Chemistry Seminar		
CHEM 3XX or 4XX	Choose from CHEM 304, 323, 324, 413, 414, 415, 432, 470		1
CHEM 380	Advances Inorganic Synthesis and Analysis (W)		1
1xx-4xx	Elective		1
1xx - 4xx	Elective		1
CHEM 300X	Chemistry Seminar		.25
<b>Total Units</b>		<b>4.25</b>	<b>4.25</b>

- Students should work with their advisor or the department chair when selecting IWU courses, especially their upper level electives. Not all courses are offered each semester.
- Students should follow the Associates in Arts degree at Harper as opposed to the Associates in Science degree. The AA degree includes the Gen Ed Certificate, which is a complete package of transferable General Education Core Courses (IAI). If you leave Harper without completing the GECC, work with your Illinois Wesleyan advisor to complete remaining requirements for GECC at Harper and IWU shared curriculum requirements.
- AP scores of 3, 4 and 5 will receive 1 unit of credit. Higher level IB scores of 4 or higher will receive 1 unit of credit.
- 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.
- The IWU Second Language requirement can be met by completing the intermediate level (XXXXX-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 a list of languages taught. <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 Harper 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.

2024-2025