



Associate in Arts at Heartland Community College to Bachelor's Degree in Quantitative Finance 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 (IWU Math 176)	4	
Language 101	Elementary Language I	4	
ACCT 200**	Financial Accounting (IWU ACC 112)	4	
ENGL 102	Multimodal Composition		3
MATH 162**	Calculus II (IWU MATH 177)		5
Language 102	Elementary Language II		4
ACCT 201**	Managerial Accounting (IWU ACC 212)		4
Total Credit Hours		15	15
SECOND YEAR	COURSE NAME	CREDIT HOURS	
		FALL	SPRING
IAI Physical Science	And IAI Physical Science	3-4	
IAI Social/Beh Science	Any IAI Social Behavioral Science	3	
IAI Humanities/Fine Arts	Any IAI Humanities or Fine Arts	3	
Language 201+	Intermediate Language I	4	
COMM 101	Intro to Oral Communication	3	
IAI Social/Beh Science	Any IAI Social Behavioral Science		3
IAI Fine Arts	Any IAI Fine Arts		3
IAI Humanities	Any IAI Humanities		3
IAI Social/Beh Science	Any IAI Social Behavioral Science		3
IAI Life Science	Any IAI Life Science		3-4
Total Credit Hours		16-17	15-16

ILLINOIS WESLEYAN UNIVERSITY			
THIRD YEAR	COURSE NAME	UNIT HOURS	
		FALL	SPRING
FIS 303	Financial Management	1	
MATH 324	Probability	1	
CS 125/DS 125	Introduction to Computer and Data Sciences	1	
1xx - 4xx	Elective	1	
FIS 309	Investments		1
DS 225	Data Analytics with Visualization		1
1xx - 4xx	Elective		1
3xx or 4xx	Major elective (see note)		1
Total Units		4	4
FOURTH YEAR	COURSE NAME	UNIT HOURS	
		FALL	SPRING
FIS 409	Portfolio Management (W)	1	
CS 222	Ethics, Values and Issues in Cybertechnology	1	
MATH 325	Mathematical Statistics	1	
FIS 415	Quantitative Finance	1	
3xx-4xx	Major elective (see note)		1
CS 377/DS 377	Applied Data Analysis		1
1xx - 4xx	Elective		1
3xx or 4xx	Elective (upper level if still needed)		1
Total Units		4	4

The plan includes two options for electives in the major. Other electives can be taken in or outside the major. Offerings will vary by year and semester and include courses in Finance, Math, Computer Science, and Economics. Examples: Cases in Financial Modeling, Trading, Advanced Portfolio Management, Wavelet Analysis, Artificial Intelligence, Deep Learning, and Time Series Analysis.

- At Heartland, choose a (G) Global Diversity and a (U) US Diversity course from recommended list to meet IWU graduation 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.
- 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 9 courses and 9 units of upper level courses. (1 IWU unit = 4 semester hours)