ALFRED NOBEL UNIVERSITY

Department of Innovative Management and Financial Analytics

What do Bachelors in Finance, Banking and Insurance study?

(professional direction Finance and Computing)

Dnipro, 2021

Dear friends!

You have chosen one of the most important specialties offered by Alfred Nobel University - Finance, Banking and Insurance, **professional direction Finance and Computing**.

Finance is digital. All established players in the Financial Services Industry acknowledge the need of a deep digital transformation for their organisations as the only means to survive and thrive in the future.

Technological capabilities are seen as essential for a future in an industry that is digital in its own essence, as the times of managing physical money and bonds are long gone by.

Key is to master the development and delivery of innovative financial products and services through digital technology, with the objective of making user interactions frictionless and financial systems more reliable, more transparent, and less dependent on central infrastructures.

Cybersecurity, authentication, (mobile) payments and a cashless society, robo-advisors, etc. all require rights-sized integration and packaging to add true value and consumer benefits.

Today money is about technology. Disruptive technologies are impacting not only the way financial intermediaries operate, but also the way companies can generate and capture value. Such technologies enable you to monetize almost anything.

Finance and Computing focuses on three crucial aspects of finance today: fintech and monetization, cybersecurity and the broader financial ecosystem. You will discover new opportunities to create value and revenue from fintech, such as blockchain, cryptocurrencies and the tokenization of tangible/intangible assets.

You will also address the growing importance of cybersecurity and the protection of private identities. And finally, you will consider finance from a wider perspective and what the future holds.

You will benefit if you have a broader business professional profile and are looking for a financial viewpoint of digital transformation.

Your class will become a trusted resource, encourage your learning journey and surprise you in many unanticipated beneficial ways both during and beyond your classroom experience.

Our Department's efforts in driving the digital transformation of the financial industry concentrate on the future of the retail banking, digital wealth management, and modernized corporate banking and insurance. Artificial intelligence and digital trust (e.g. blockchain) technologies are key enablers but require critical assessment to separate hype from productive applications.

In the coming years, our Department will further strengthen its recent "**Finance and Computing**" area which is an area that is still maturing.

In this edition you can get acquainted with the working curricula for the next four years.

Please note that the list of courses is made up of both the core courses and ones that you can choose. In this way, you can build your own personal learning trajectory that is most relevant to your interests by focusing on your preferences and thinking about the specifics of your future field of activity.

If you have any questions about your studies at the University, you can always contact me personally (office 3311) or send me email at v.var@duan.edu.ua.

So we wish you successful, interesting and useful learning!

Victoria Mykolaivna Varenik,

Guarantor of the educational program,

Candidate of Economic Sciences,

Associate Professor

First year

№	Courses	Hours	
		total	classroom
Autumn			
1.	Ukrainian Identity: History, Culture and Language	135 (4,5)	62
2.	Foreign Language	180 (6)	112
3.	Information Systems and Technologies in finance	180 (6)	56
4.	Business Math and Statistics Theory	180 (6)	56
5.	Business Economics	135 (4,5)	42
6.	Introduction to Digital finance (Internship)	90 (3)	28
7.	Physical Training		28
Spring			
1.	Foreign Language	180 (6)	112
2.	Business Math and Statistics Theory	180 (6)	56
3.	Business Economics (Microeconomics)	180 (6)	56
4.	Money and credit	120 (4)	42
5.	Algorithmization and programming of financial tasks	90 (3)	42
6.	Optional course (Computer graphics and design)	150 (5)	42
7.	Physical Training		28

Second year

№	Courses	Hours	
		total	classroom
Autumn			
1.	Foreign Language for Business	180 (6)	56
2.	Business Economics (Macroeconomics)	135 (4,5)	42
3.	Accounting in business	120 (4)	42
4	Methods of business process optimization	90 (3)	28
5.	Algorithmization and Programming of Financial Tasks (Databases)	120 (4)	42
6.	Introduction to Business and Management	135 (4,5)	42
7.	Finance	120 (4)	42
Spring			
1.	Fundamentals of Marketing in the Digital Era	135 (4,5)	42
2.	Optional course (Creating sites using CMS)	150 (5)	42
3.	Foreign Language for Business	180 (6)	56
4.	Digital payments and money transfers	90 (3)	42
5.	Protection of information	105 (3,5)	42
6.	Eurointegration	120 (4)	42
7.	Statistics	120 (4)	42

Third year

№	Courses	Hours	
		total	classroom
Autumn			
1.	Banking business	120 (4)	42
2.	Methods of business process optimization	90 (3)	28
3.	Information-analytical technologies in finance (Excel)	120 (4)	42
4.	Foreign Language for Business	180 (6)	42
5.	Financial market	150 (5)	42
6.	Financial analysis	120 (4)	42
7.	Financial Accounting	120 (4)	42
Spring			
1.	Foreign Language for Business	180 (6)	42
2.	Optional course (Communications Management)	90 (3)	42
3.	Financial planning and forecasting	150 (5)	42
5.	Information-analytical technologies in finance (R-programming)	105 (3,5)	42
6.	Insurance business	105 (3,5)	42
7.	Logistics	135 (4,5)	42
8.	Internship	135 (4,5)	

Fourth year

№	Courses	Hours	
		total	classroom
Autumn			
1.	Accounting in Foreign Countries	120 (4)	56
2.	E-business	150 (5)	14
3.	Financial technology	150 (5)	28
4.	Foreign Language for Business	210 (7)	56
5.	International Economic Law	135 (4,5)	56
6.	Optional course (International Finance, International Economics)	135 (4,5)	42
7.	Business Reporting in a Digital Economy	135 (4,5)	42
Spring			
1.	International Investment Activity	135 (4,5)	16
2.	Auditing	120 (4)	48
3.	Foreign Language for Business	105 (3,5)	40
4.	Project Management in Finance	135 (4,5)	16
5.	Optional course (Digital finance, Digital banking)	90 (3)	24
	Internship	135 (4,5)	
	Qualification Examination	45 (1,5)	