



BSc (Honours) Banking & Finance / Chương trình Cử nhân chuyên ngành Ngân hàng & Tài chính

I. First-Year Major Courses

1. Economics for Banking & Finance

The "Economics for Banking & Finance" module introduces key economic principles, exploring market operations, macroeconomic policies, inflation, and global economic dynamics. It contextualizes economic theory within the banking and finance industry to tackle real-world problems. Ultimately, students will learn to apply micro and macroeconomic foundations, analyze central bank policies, and evaluate the impact of regulations on financial instruments.

2. Financial Institutions and Markets

The "Financial Institutions and Markets" module serves as a foundational overview of the global financial system, detailing the structures and functions of various financial institutions. It explores the roles of commercial banking, investment funds, and central banks in providing liquidity and promoting responsibility. Upon completion, students will be equipped to describe these institutional functions, understand market theories within a regulatory framework, and articulate arguments effectively in writing.

3. Accounting and Finance for Decision Making

The "Accounting and Finance for Decision Making" module provides a foundational understanding of the financial toolkit, terminology, and analysis techniques, including the time value of money and financial statements. It assumes no prior knowledge and prepares students for advanced financial evaluations. Upon completion, students will be able to interpret financial reports, apply core numerical methods, and evaluate corporate financial risks regarding capital structure and corporate investments.

4. Professional Skills for Banking and Finance

"Professional Skills for Banking and Finance" introduces statistical techniques, data management tools like Excel and Python, and continuous professional development

practices. A core focus is on guiding students to identify analytical problems and formulate collaborative problem-solving strategies. Students will achieve outcomes such as applying foundational statistical concepts, manipulating data with software, and demonstrating a profound awareness of labour market dynamics.

II. Second-Year Major Courses

1. Modern Banking: Theory and Practice

"Modern Banking: Theory and Practice" details theoretical and empirical developments in the banking industry, focusing on risk management, FinTech competition, and the financial impacts of climate change. It explores the core functions of banks alongside the complexities of financial liberalization and globalization. Learning outcomes dictate that students evaluate lending risks, differentiate market segments served by commercial banks, and scrutinize the competitive evolution of financial institutions

2. Financial Analysis and Security Valuation

The "Financial Analysis and Security Valuation" module offers a comprehensive overview of financial statement analysis alongside advanced equity valuation techniques. It covers quantitative models used by investment banks, such as Discounted Dividend and Free Cash Flow models. Students will master critiquing corporate financial statements, analyzing macroeconomic impacts on company value, and practically applying valuation methods for investments and Mergers & Acquisitions.

3. Econometric Analysis and Professional Advancement

"Econometric Analysis and Professional Advancement" builds upon basic analytical skills by introducing econometric methods and time series analyses essential for the finance sector. It strategically integrates software proficiency with personal employability development to navigate graduate recruitment. Outcomes include understanding the assumptions and limitations of econometric methods, utilizing EViews and Python for data analysis, and actively engaging with recruitment and selection processes.

4. Governance and Sustainability

The "Governance and Sustainability" module provides a rigorous examination of corporate governance structures, ethical considerations, and ESG integration within the financial system. It emphasizes critical analysis and practical insights into risk management practices and regulatory frameworks. Students will learn to critically analyze the integration of sustainability principles into financial decisions, explain

governance responsibilities, and evaluate complex ethical dilemmas inherent in the financial sector.

5. CyFi: Cyber and Financial Crime

"CyFi: Cyber and Financial Crime" explores corporate financial crimes—such as fraud, bribery, and money laundering—within national and international contexts. The module analyzes the regulatory frameworks and organizational cultures that either facilitate or disrupt these illicit activities. Students will critically understand the organization of financial crimes, evaluate the effectiveness of the criminal justice system, and assess the broader socio-economic impacts of these offenses.

6. Corporate Finance

The "Corporate Finance" module deepens students' understanding of advanced financial techniques and strategic decision-making utilized within business organizations. It empowers learners to navigate complex landscapes by analyzing real-world cases, optimizing long-term firm value. Learning outcomes involve assessing capital structure decisions and rigorously evaluating advanced topics such as mergers and acquisitions, options pricing, and global financial operations.

III. Third-Year Major Courses

1. Contemporary Issues in Banking and Finance

In "Contemporary Issues in Banking and Finance," students synthesize prior knowledge to address current topics like central bank policies, global banking structures, and financial market pricing. The module requires utilizing both economic and financial modeling to solve complex contemporary problems. Students will learn to assess theories for effective risk governance, propose evidence-based solutions, and critically reflect on ethical dilemmas and sustainability challenges in modern finance.

2. Research in Banking and Finance

"Research in Banking and Finance" is a capstone module where students conduct an independent research project, from literature review to data analysis. It aims to foster critical thinking, problem-solving, and rigorous academic communication. Students will independently manage a research project, synthesize arguments to offer persuasive insights, and effectively communicate findings while situating technical knowledge within a broader ethical and sustainable context.

3. Portfolio Management with Professional Practice

The "Portfolio Management with Professional Practice" module concentrates on constructing and evaluating investment portfolios using modern portfolio theory and risk strategies. It heavily emphasizes communicating complex technical investment information effectively to diverse, non-specialist audiences. Successfully completing this module means students can manage diverse portfolios, provide evidence-based investment recommendations, and critically evaluate their personal professional performance.

4. Personal Financial Planning

Adopting a problem-oriented approach, the "Personal Financial Planning" module demonstrates how to apply retail financial products to realistic client scenarios. It balances risk, reward, and affordability when developing comprehensive financial strategies. Students will evaluate UK retail products to propose justified client plans, and critically assess existing policy frameworks regarding taxation, pensions, and long-term care.

5. Programming Economic and Financial Models

The "Programming Economic and Financial Models" module teaches the mathematical formulation of economic models and the practical programming skills (R/Python) needed to solve them. It focuses on running simulations for policy decisions without requiring prior coding experience. Outcomes expect students to mathematically formulate complex problems, solve them effectively, and demonstrate fundamental capabilities in computer programming applied to economics and finance.

6. Behavioural Finance

The "Behavioural Finance" module explores psychological factors and cognitive biases—such as loss-aversion and herding—that explain sub-optimal financial decision-making. It provides context for market puzzles that mainstream economic theories fail to address. By completing the module, students will be able to explain core behavioural concepts and critically analyze human motivations and experimental insights within financial markets.

7. Risk Management and Derivatives

"Risk Management and Derivatives" examines the markets, valuation techniques, and characteristics of instruments like forwards, futures, swaps, and options. It details how these derivatives are strategically used to manage and mitigate various financial risks. Students will emerge able to evaluate complex derivative contracts, calculate key financial risks, and assess comprehensive strategies for their measurement and management.