



# **CURRICULUM FRAMEWORK**

## **BACHELOR OF FINANCE & BANKING**

***PROGRAM CODE: 7340201***

***Applicable from Cohort 2026-2030, Academic Year 2026-2027***

*(Released along with Decision No. 57/2026/ QĐ-VUNI dated 10/01/2026  
by Provost of VinUniversity)*



## Records of changes

Version	Published date	Effective Date	Approved by	Description of changes
1			Developed by the Curriculum Development Council, established according to Decision No. 117E/2025/QĐ-VUNI dated March 18, 2025 of the Provost of VinUniversity Reviewed by SEC Approved by: Provost (Decision No 57/2026/QĐ-VUNI dated 10/01/2026 aby Provost of VinUniversity).	

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## 1. PROGRAM OVERVIEW

### 1.1 Program Profile

<b>Name of the degree</b>	Bachelor of Finance and Banking
<b>Name of the program</b>	Finance and Banking
<b>Program Code<sup>1</sup></b>	7340201
<b>Vietnam Qualifications Framework Level<sup>2</sup></b>	6
<b>Length of Program</b>	4 years
<b>Mode of Delivery</b>	Full-time
<b>Language of Delivery</b>	English
<b>Total credits</b>	122 credits
<b>Home College</b>	College of Business and Management

### 1.2 Program Purpose

*The overall aim of the program is to nurture and develop young leaders in banking and finance with clear direction and vision, creativity and sound personal values; who pave the way for the development of science and technology, to increase labor productivity and to benefit society.*

### 1.3 Program Educational Objectives and Program Learning Outcomes

#### 1.3.1 Program Educational Objectives

##### **PEO 1: Professional Competence in Banking and Finance**

Demonstrate strong professional competence in banking and finance through the application of core financial knowledge, analytical tools, and industry-relevant skills to support sound financial decisions and effective banking operations in diverse business contexts.

##### **PEO 2: Innovative and Entrepreneurial Leadership in Banking and Finance**

Apply innovative and entrepreneurial thinking to assess, propose, and manage banking and financial solutions, products, and initiatives that respond to evolving market conditions and contribute to the development of Vietnam's financial system and broader economy.

##### **PEO 3: Ethics, Sustainability, and Global Financial Responsibility**

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<sup>1</sup> Program Code is identified in the program license and it must be aligned with the Circular No. 09 (2022) on the statistical classification of academic disciplines in higher education.

<sup>2</sup> The Vietnamese Qualifications Framework (VQF) referred to as Appendix III.1, established in 2016, serves as a structured system for organizing and categorizing qualifications across various levels of education and training in Vietnam. This framework aims to standardize the capacity, academic requirements, and qualifications necessary for specific levels within vocational education and higher education in the country. The VQF consists of 8 qualification levels: Level 1 - Primary I; Level 2 - Primary II, Level 3 - Primary III, Level 4 - Intermediate; Level 5 - College/ Advance Diploma; Level 6 - Bachelor; Level 7 - Master; Level 8 - PhD.

Integrate ethical standards, sustainability principles, and global perspectives into financial and banking decisions to promote responsible professional practice, long-term success, and Vietnam's integration into the global financial environment.

### 1.3.2 Program Learning Outcomes (Student Outcomes)

After successful completion of the program, students are able to:

PROGRAM LEARNING OUTCOMES (PLOs)	PERFORMANCE INDICATORS (PIs)
<b>I. KNOWLEDGE</b>	
<b>I.1. General Knowledge</b>	
<b>PLO 1: Apply</b> knowledge of politics, law, art and humanity, sustainability, cross-cultures, and globalization to the field of Banking and Finance.	<b>PI 1.1: Apply</b> knowledge of politics to the field of Banking and Finance
	<b>PI 1.2: Apply</b> knowledge of law and regulation to the field of Banking and Finance
	<b>PI 1.3: Apply</b> knowledge of sustainability, cross-cultures, and globalization for effective collaboration and performance in diverse business contexts
	<b>PI 1.4: Apply</b> knowledge of art and humanity in the field of Banking and Finance
<b>I.2. Foundational Knowledge</b>	
<b>PLO 2: Evaluate</b> broad theoretical and technical accounting, finance, and management knowledge for optimal and sustainable financial decisions.	<b>PI 2.1: Evaluate</b> organizational financial health, trends and risks using industry and company analysis frameworks for strategic investment decisions.
	<b>PI 2.2: Assess</b> value and risk management frameworks while integrating sustainability criteria in diverse contexts.
	<b>PI 2.3: Evaluate</b> theoretical frameworks related to economic conditions, financial systems, and market dynamics for strategic investment decisions.
<b>I.3. Professional Knowledge</b>	
<b>Digital Banking Concentration</b>	
<b>PLO 3a: [Digital Banking]</b>  <b>Evaluate</b> banking products/services and operations for innovation and compliance using advanced banking	<b>PI 3a.1: Assess</b> new banking products/services, incorporating technology and sustainable banking practices to enhance customer satisfaction.
	<b>PI 3a.2: Assess</b> the creditworthiness of loan applicants using advanced tech-driven analytical

knowledge and modern technologies in a dynamic global landscape.	models and algorithms for data-informed lending decisions.
	<b>PI 3a.3: Assess</b> the effectiveness of banks' operations and cyber-risk management against evolving international and local standards, and regulatory frameworks for compliance gap identification, cyber-fraud detection, and corrective action recommendations.
<b>Financial Investment Innovation Concentration</b>	
<b>PLO 3b: [Financial Investment Innovation]</b>  <b>Evaluate</b> innovative investment portfolio using advanced financial knowledge and modern technologies for constructing ethical and efficient investment systems in a dynamic global landscape	<b>PI 3b.1: Assess</b> new financial products/services, incorporating technology and sustainable practices to enhance customer satisfaction.
	<b>PI 3b.2: Assess</b> the risk and return profile of financial instruments, including structured financial products for balanced portfolio decisions.
	<b>PI 3b.3: Evaluate</b> portfolio construction and rebalancing processes, incorporating algorithmic and quantitative techniques, for inefficiency identification and strategy enhancement.
<b>II. SKILLS</b>	
<b>II. 1. Professional Skills</b>	
<b>PLO 4: Intergrate</b> professional skills and latest technologies for optimal and automated financial decisions and banking operations.	<b>PI 4.1: Formulate</b> quantitative analysis of various financial and economic data for analytics and forecasting.
	<b>PI 4.2: Integrate</b> financial technological tools and databases in handling tasks in the banking and finance sector.
	<b>PI 4.3: Construct</b> financial models for capital budgeting and investment opportunity evaluation.
	<b>PI 4.4: Develop</b> business research effectively for evidence-based decision making and opportunity evaluation in the field of Banking and Finance
<b>PLO 5: Critical &amp; Creative Thinking:</b>  <b>Adapt</b> critical, creative, strategic, and systems thinking for problem-solving, value creation, and innovation in the field of Banking and Finance.	<b>PI 5.1: Formulate</b> arguments and evidence-based solutions to complex Banking and Finance problems.
	<b>PI 5.2: Adapt</b> creative thinking and innovation in the formation, development, and implementation of business ideas in Banking and Finance.

	<b>PI 5.3: Adapt</b> strategic and systems thinking for problem-solving for Banking and Finance matters.
<b>II.2. General Skills</b>	
<b>PLO 6: Teamwork and Entrepreneurial leadership</b>  <b>Manage</b> business collaboration with teamwork skills and entrepreneurial leadership across disciplines and cultures.	<b>PI 6.1: Manage</b> collaboration seamlessly within diverse teams with one's sense of autonomy, judgment, and adaptability.
	<b>PI 6.2: Manage</b> tasks and projects with entrepreneurial leadership and innovation for business success.
<b>PLO 7: Communication and Globalization Skills</b>  <b>Create</b> effective communication of Banking and Finance advice and ideas with a range of audiences across cultures.	<b>PI 7.1: Create</b> effective communication of Banking and Finance advice and ideas using verbal and written skills in multicultural settings.
	<b>PI 7.2: Evaluate</b> multicultural and globalized environments with adaptability and respect for both common standards and diverse perspectives.
<b>III. ATTITUDE</b>	
<b>PLO 8: Resilience, Entrepreneurial mindset, Professional ethics, and Social Responsibility</b>  <b>Demonstrate</b> resilience, entrepreneurial mindset Professional Ethics, and Social Responsibility.	<b>PI 8.1: Evaluate</b> dynamic financial environments with resilience and strategic adaptability.
	<b>PI 8.2: Foster</b> an entrepreneurial mindset and drive innovative solutions.
	<b>PI 8.3: Demonstrate</b> ethical principles, professionalism, and social responsibility in financial practice.

## 2. ADMISSION CRITERIA

Candidates refer to those who meet the following requirements:

- Having graduated from high school, with a math score of  $\geq 9.0$  or A or above.
- Having an IELTS Certificate of 6.5 (or equivalent) with no skills lower than 6.0 in English within two years (24 months) before the admission registration date.
- Adhere to the AACC (Outstanding Ability – Aspiration – Creativity) criteria.

Students are required to submit documents to showcase their suitability to VinUni, CBM, and the BBF program.

Attributes	Definition	Examples / Observed Evidence
Outstanding Ability	Outstanding capabilities in academics or other skills that are proven determinants of success	<ul style="list-style-type: none"> <li>- Good GPA from a reputed school;</li> <li>- Success in national and international competitions;</li> <li>- High marks on standardized tests such as SAT, AP, national exam;</li> <li>- Outstanding non-academic skills: strong analytical and problem-solving skills, quick learning capability, imagination skills or excellence in language, sports, arts, and other skills and competencies that are proven determinants of success;</li> <li>- English language competence.</li> </ul>
Aspirations	An understanding of major issues in the local community, society, Vietnam, the world and have strong aspiration to find ways to solve them.	<ul style="list-style-type: none"> <li>- Meaningful hobbies;</li> <li>- Ambitious plans but believe that they can become reality;</li> <li>- A positive, influential role in one's community or acquaintances, can inspire and motivate others to do good things for less advantaged people;</li> <li>- A big dream to go beyond one's living conditions, and help others out of poverty;</li> <li>- Be kind, step forward and volunteer to lead or take on challenges;</li> <li>- Seek to collaborate with those who can inspire and motivate others.</li> </ul>
Creativity	The ability to have a different mindset, high curiosity to discover the root cause of issues, manage and adapt to change, be open-minded with ideas or solutions that do not yet exist.	<ul style="list-style-type: none"> <li>- Think differently, demonstrate critical and divergent thinking, be open to new ideas and solutions;</li> <li>- Show curiosity, ask questions but do not wait for other people to provide readymade answers;</li> <li>- Be creative, show one is an innovator, creator, norms-breaker with a healthy rebellion for good causes;</li> <li>- Take clear positions, present ideas sharply, make compelling arguments, debate fairly and logically.</li> </ul>
Commitment	A strong belief in what one can do and the ability, determination, strong mental and physical concentration to pursue one's goals.	<ul style="list-style-type: none"> <li>- Resilience. Not easily give up because of failure or if the task seems too difficult;</li> <li>- Perseverance. Stay true to one's promises and show a commitment to tasks, projects, people and causes;</li> <li>- Determination. Give 100% of one's effort to tasks to attain the best outcome;</li> </ul>

### 3. CURRICULUM STRUCTURE



### 3.1 Curriculum composition

No.	Curriculum Components	Number of Credits	Credit Distribution (%/Total Credits)
<b>I</b>	<b>VINCORE</b>	<b>35</b>	<b>29.2%</b>
I.1	Enterprise and Innovation	4	3.3%
I.2	Leadership Mindset	2	1.7%
I.3	Civic Responsibility	2	1.7%
I.4	Ethics	2	1.7%
I.5	Community Service Learning	45 hours	
I.6	Working with the Brain	2	1.7%
I.7	Working with Technology	4	3.3%
I.8	Working with Others	4	3.3%
I.9	Working with the Self	90 hours	
I.10	Integrated Vietnam Studies	11	9.2%
I.11	Sustainability and Global Citizenship	2	1.7%
I.12	Creative Arts	2	1.7%
I.13	Global Experience	N/A	0.0%
<b>II</b>	<b>PROFESSIONAL EDUCATION</b>	<b>63</b>	<b>52.5%</b>
II.1	BBF Core Requirement	48	40.0%
II.2	Concentration Requirement	15	12.5%
<b>III</b>	<b>ELECTIVES – PRACTICE – GRADUATION PROJECT</b>	<b>24</b>	<b>18.3%</b>
	<p><i>Students may choose different paths based on their interest and professional development plan.</i></p> <p><b>Pathway A- Internship Pathway:</b> For students who take this pathway, they will take at least 13 credits of electives, 03 credits of Practice/Internship, and a graduation thesis/Capstone project (06 credits).</p> <p><b>Pathway B- Industrial Placement Pathway:</b> For students who take this pathway, they will take at least 10 credits of electives, and 06 credits of Industrial Placement and 06 credits of Graduation dissertation/Capstone project.</p>		
<b>III.1a</b>	<b>PATHWAY A- INTERNSHIP PATHWAY</b>	<b>18</b>	<b>13.3%</b>
	<i>Electives</i>	<i>15</i>	<i>10.8%</i>
	<i>Practice/Internship</i>	<i>3</i>	<i>2.5%</i>
<b>III.1b</b>	<b>PATHWAY B- INDUSTRIAL PLACEMENT PATHWAY</b>	<b>18</b>	<b>13.3%</b>
	<i>Electives</i>	<i>12</i>	<i>8.3%</i>
	<i>Industrial Placement</i>	<i>6</i>	<i>5%</i>

<b>III.2</b>	<b>Graduation Dissertation/Capstone Project</b>	<b>6</b>	<b>5%</b>
	<b>TOTAL (minimum)</b>	<b>122</b>	<b>100%</b>

### **Important Notes:**

- Vincore Program has been issued along with Decision No. 342a/2025/QĐ-VUNI dated June 20, 2025.
- Students have the option to obtain a minor. A minor needs to have at least 15 credits on top of credits counted towards the major program. Information about the available minors is provided here: [LINK](#).
- International students are exempted from National Defense Education. However, they are still required to take ideology courses, including History of the Communist Party, Ho Chi Minh Ideology, Scientific Socialism, Marxism-Leninism Political Economy, Marxism-Leninism Philosophy (In line with Decision No. 494/QĐ-TTg, issued on June 24, 2002, by the Prime Minister).

### 3.2 Courses and Credit Distribution by Courses

No	Course code	Name of Courses	Credit	Credit Hour Allocation		Prerequisite(s)	Grading System (L = Letter Grade or P/F = Pass-Fail)
				Theory	Practice		
<b>I</b>	<b>VINCORE</b>		<b>35</b>				
<b>I.1</b>	<b>Enterprise and Innovation</b>						
1	ENTR1022	Agile Innovation and Entrepreneurship	2	15	15	NA	P/F
2	IDEA1010/11/12/X	Big Ideas: X (The IDEA1010/11/12 series, titled 'Big Ideas (X)' will have its course code and title defined each semester, allowing the course content to align with the key themes and innovative design concepts)	2	30		NA	L
<b>I.2</b>	<b>Leadership Mindset</b>		<b>2</b>	<b>30</b>			
	LEAD1031	Leadership and Teambuilding Boot Camp	2	30		NA	P/F
<b>I.3</b>	<b>Civic Responsibility</b>		<b>2</b>	<b>30</b>	<b>165</b>		
1	VCOR1030	National Defense Education			165	NA	P/F
2	LAW1010	Introduction to Law	2	30		NA	L
<b>I.4</b>	<b>Ethics</b>		<b>2</b>	<b>30</b>			
1	MANA3021	Business Ethics (Required for BBF students)	2	30		NA	L
<b>I.5</b>	<b>Community Service Learning</b>				<b>45</b>		
1	COSL1010	Community Service Learning			45	NA	P/F
<b>I.6</b>	<b>Working with the Brain</b>		<b>2</b>	<b>30</b>			
1	THINK1010	Critical and Creative Thinking	2	30		NA	L
<b>I.7</b>	<b>Working with Technology</b>		<b>4</b>	<b>60</b>			
1	CECS1040	Introduction to AI Literacy	2	30		NA	L
	Choose one out of the following courses						
2.1	CECS1050	Introduction to Data Literacy	2	30		NA	L

2.2	CECS1031	Computational Thinking	2	30		NA	L
<b>I.8</b>	<b>Working with Others</b>		<b>4</b>	<b>60</b>			
1	ENGL1030	Academic and Professional Writing	2	30		NA	L
2	MANA1011	Introduction to Managing Skills <i>(Required for BBF students)</i>	2	30		NA	L
<b>I.9</b>	<b>Working with the Self</b>				<b>90</b>		
1	VCOR1012A/B	OASIS (Orientation, Advising, Skills, Identity & Diversity and Spirit of Pay-it-Forward)			45	NA	P/F
2	VCOR1021/22	Healthy Lifestyle			45	NA	P/F
<b>I.10</b>	<b>Internship</b>						
	<i>Refer to section III.2a and III.2b for more details</i>						
<b>I.11</b>	<b>Integrated Vietnam Studies</b>		<b>11</b>	<b>165</b>			
1	HASS1010	Marxism-Leninism Political Economy (Philosophy, Science and Society)	3	45		NA	L
2	HASS1020	Marxism-Leninism Philosophy (Global Political Economy)	2	30		NA	L
3	HASS1030	Scientific Socialism (Politics and Social Change)	2	30		NA	L
4	HASS1041/1042	Ho Chi Minh Ideology (Vietnam: History and Cultures II)	2	30		NA	L
5	HASS1050	History of the Communist Party (Vietnam: History and Cultures I)	2	30		NA	L
<b>I.12</b>	<b>Sustainability and Global Citizenship</b>		<b>2</b>	<b>30</b>			
	<i>Choose one out of the following courses</i>						
1.1	HASS1070	Cross-Cultural Navigation	2	30		NA	L
1.2	HASS1100	Introduction to International Relations	2	30		NA	L
1.3	SUST1010	Humans and Environmental Intelligence	2	30		NA	L
1.4	SUST1020	Social Science and Sustainability	2	30		NA	L
1.5	UROP	(Undergraduate Research Opportunity Program)/ Independent Student Project <i>(*)The UROP course code will be assigned based on the respective College, allowing for discipline-specific research experiences that align with the academic and research priorities of each College</i>	2	30		NA	P/F

<b>I.13</b>	<b>Creative Arts</b>		<b>2</b>	<b>30</b>			
	<i>Choose one out of the following courses</i>						
1.1	ARTS1030	Arts Appreciation and Application	2	30		NA	L
1.2	PERF1010	Artistic Performance and Application	2	30		NA	L
<b>I.14</b>	<b>Global experience</b>						
	Students are encouraged to explore short-term study abroad exchange opportunities, facilitated by the Global Exchange Office, to broaden their global understanding and academic experience through partnerships with international institutions		<i>Optional &amp; Non-credit</i>			NA	
<b>II</b>	<b>PROFESSIONAL EDUCATION</b>						
<b>II.1</b>	<b>BBF Core Requirement</b>		<b>48</b>	<b>720</b>			
1	ECON1010	Introductory Microeconomics	3	45	0	NA	L
2	ECON1020	Introductory Macroeconomics	3	45	0	NA	L
3	STAT2020	Business Statistics	3	45	0	NA	L
4	ACCT2010	Introduction to Financial Accounting	3	45	0	NA	L
5	FINA2010	Financial Management	3	45	0	ACCT2010	L
6	BANA3020	Introduction to Programming and Python	3	45	0	STAT2020	L
7	BANA4010	Data Communication & Visualization	3	45	0	STAT2020	L
8	MANA4150	Business Research Methods	3	45	0	STAT2020	L
9	FINI1010	Financial Markets and Institutions	3	45	0	ACCT2010	L
10	FINA3010	Corporate Finance	3	45	0	FINA2010	L
11	FINI1020	International Finance	3	45	0	FINA2010/ ECON1020	L
12	FINI1030	Financial Statement Analysis	3	45	0	ACCT2010, FINA2010	L
13	FINA3051	Quantitative Analysis for Finance	3	45	0	STAT2020	L
14	FINI1040	Venture Capital and Private Equity	3	45	0	ACCT2010/	L

						FINA2010	
15	FINA3030	Behavioural Finance	3	45	0	STAT2020	L
16	FINI1050	FinTech and Financial Innovations	3	45	0		L
<b>II.2</b>	<b>Concentration (Discipline) Requirement</b>		<b>15</b>	<b>225</b>			
		<i><b>One Concentration is required.</b></i> Students can choose any one among all concentrations offered to BBF; or can propose an individually designed concentration. The following is the list of concentrations offered by BBF.					
<b>II.2.1</b>	<b>Digital Banking</b>		<b>15</b>				
1	BANK2010	Digital Transformation in Commercial Banking	3	45	0	FINI1010	L
2	BANK2020	Private Banking and Wealth Management	3	45	0	ACCT2010	L
3	BANK3010	Central Bank and Bank Regulations	3	45	0	NA	L
4	BANK4010	Credit Risks Management: Using AI and Analytical Models	3	45	0	FINA3010	L
5	BANK4020	Treasury Management and FX Trading	3	45	0	FINA3010	L
<b>II.2.2</b>	<b>Financial Investment Innovation</b>		<b>15</b>				
1	FINI2010	Financial Derivatives and Engineering	3	45	0	FINA2010	L
2	FINI2020	Data-driven Valuation and Financial Modeling (Modern Equity Analysis)	3	45	0	FINA3010	L
3	BANA4040	Predictive Analytics in Finance	3	45	0		L
4	FINI4010	Fixed Incomes Securities	3	45	0	FINI2010	L
5	FINI4020	Portfolio Innovation and Risk Management	3	45	0	FINI2010	L
<b>III.</b>	<b>ELECTIVES – INTERSHIP - GRADUATION</b>		<b>24</b>				
<b>III.1</b>	<b>Electives/Minors</b>		<b>12-15</b>				
	<p>Students are required to take a minimum of 13 credits of electives if they choose the Internship Pathway, or 10 credits if they choose the Industrial Placement Pathway.</p> <p>Minors are subject to change and are dependent on their availability. For the most updated list of minor, please visit VinUni website at:  <a href="https://policy.vinuni.edu.vn/all-policies/minor-fields-information/">https://policy.vinuni.edu.vn/all-policies/minor-fields-information/</a></p>						

<b>III.2</b>	<b>Internship</b>		<b>3-6</b>				
	Choose one out of the following internship tracks:						
<b>III.2.1</b>	<b>Internship Pathway</b>		<b>3</b>				
1	GENB0870	Internship Orientation		0	10 hours	NA	P/F
2	GENB1871/2	Internship 1/2	3			GENB0870	P/F
<b>III.2.1</b>	<b>Industrial Placement Pathway</b>		<b>6</b>				
1	GENB0870	Internship Orientation		0	10 hours	NA	P/F
2	GENB4870	Industrial Placement	6	0	6	GENB0870	P/F
<b>III.3</b>	<b>Graduation Thesis/Capstone</b>		<b>6</b>				
	<i>Students are required to complete the Graduation Dissertation or Capstone project.</i>						
1.1	GENB4900	Graduation Dissertation	6			MANA4150 and GENB4870/GENB 1871/2	L
1.2	GENB4970	Capstone Project	6			MANA4150 and GENB4870	L
		<b>TOTAL</b>	<b>122</b>				

*(\*) International students are exempted from National Defense Education. However, they are still required to take ideology courses, including History of the Communist Party, Ho Chi Minh Ideology, Scientific Socialism, Marxism-Leninism Political Economy, Marxism-Leninism Philosophy (In line with Decision No. 494/QĐ-TTg, issued on June 24, 2002, by the Prime Minister).*

### 3.3 Curriculum Block

<p><b>I. VINCORE (35 credits)</b></p> <p><b>I.1. CHARACTER (10 credits)</b></p> <p><b>I.1.1. Enterprise and Innovation (4)</b></p> <ul style="list-style-type: none"> <li>- Agile Innovation and Entrepreneurship (2)</li> <li>- Big Ideas: X (2)</li> </ul> <p><b>I.1.2. Leadership Mindset (2)</b></p> <ul style="list-style-type: none"> <li>- Leadership and Teambuilding Boot Camp (2)</li> </ul> <p><b>I.1.3. Civic Responsibility (2)</b></p> <ul style="list-style-type: none"> <li>- National Defense Education (165 hours)</li> <li>- Introduction to Law (2)</li> </ul> <p><b>I.1.4. Ethics (2)</b></p> <ul style="list-style-type: none"> <li>- Business Ethics (2)</li> </ul> <p><b>I.1.5. Community Service Learning (45 hours)</b></p> <p><b>I.2. CAREER (10 credits)</b></p> <p><b>I.2.1. Working with the Brain (2)</b></p> <ul style="list-style-type: none"> <li>- Critical and Creative Thinking (2)</li> </ul> <p><b>I.2.2. Working with Technology (4)</b></p> <ul style="list-style-type: none"> <li>- Introduction to AI Literacy (2)</li> </ul> <p>Choose one out of the following courses</p> <ul style="list-style-type: none"> <li>- Introduction to Data Literacy (2)</li> <li>- Computational Thinking (2)</li> </ul> <p><b>I.2.3. Working with Others (4)</b></p> <ul style="list-style-type: none"> <li>- Academic and Professional Writing (2)</li> <li>- Introduction to Managing Skills (2)</li> </ul> <p><b>I.2.4. Working with the Self</b></p> <ul style="list-style-type: none"> <li>- OASIS (Orientation, Advising, Skills, Identity &amp; Diversity and Spirit of Pay-it-Forward) (45 hours)</li> <li>- Healthy Lifestyle 1 (45 hours)</li> <li>- Healthy Lifestyle 2 (45 hours)</li> </ul> <p><b>I.2.5. Internship (Refer to III)</b></p> <p><b>I.3. CONNECTIONS (15 credits)</b></p> <p><b>I.3.1. Integrated Vietnam Studies (11)</b></p> <ul style="list-style-type: none"> <li>- Marxism-Leninism Philosophy (2)</li> <li>- Marxism-Leninism Political Economy (3)</li> <li>- Scientific Socialism (2)</li> <li>- Ho Chi Minh Ideology (2)</li> <li>- History of the Communist Party (2)</li> </ul> <p><b>I.3.2. Sustainability and Global Citizenship (2)</b></p> <p>Choose one out of the following courses:</p> <ul style="list-style-type: none"> <li>- Cross-Cultural Navigation (2)</li> <li>- Introduction to International Relations (2)</li> <li>- Humans and Environmental Intelligence (2)</li> <li>- Social Science and Sustainability (2)</li> <li>- (Undergraduate Research Opportunity Program) / Independent Student Project (2)</li> </ul> <p><b>I.3.3. Creative Arts (2)</b></p> <p>Choose one out of the following courses:</p> <ul style="list-style-type: none"> <li>- Arts Appreciation and Application (2)</li> <li>- Artistic Performance and Application (2)</li> </ul> <p><b>I.3.4. Global Experience (Optional &amp; non-credit)</b></p>	<p><b>II. PROFESSIONAL EDUCATION (63 credits)</b></p> <p><b>II.1. COLLEGE CORE (48 credits)</b></p> <ul style="list-style-type: none"> <li>- Introductory Microeconomics (3)</li> <li>- Introductory Macroeconomics (3)</li> <li>- Business Statistics (3)</li> <li>- Introduction to Financial Accounting (3)</li> <li>- Financial Management (3)</li> <li>- Introduction to Programming and Python (3)</li> <li>- Data Communication &amp; Visualization (3)</li> <li>- Business Research Methods (3)</li> <li>- Financial Markets and Institutions (3)</li> <li>- Corporate Finance (3)</li> <li>- International Finance (3)</li> <li>- Financial Statement Analysis (3)</li> <li>- Quantitative Analysis for Finance (3)</li> <li>- Venture Capital and Private Equity (3)</li> <li>- Behavioural Finance (3)</li> <li>- FinTech and Financial Innovations (3)</li> </ul> <p><b>II.2. CONCENTRATION REQUIREMENT (15 credits)</b></p> <p>One Concentration is required. Students can choose any one among all concentrations offered to BBF; or can propose an individually designed concentration. /</p> <p><b>II.2.1. Digital Banking</b></p> <ul style="list-style-type: none"> <li>- Digital Transformation in Commercial Banking (3)</li> <li>- Credit Risks Management: Using AI and Analytical Models (3)</li> <li>- Private Banking and Wealth Management (3)</li> <li>- Treasury Management and FX Trading (3)</li> <li>- Central Bank and Bank Regulations (3)</li> </ul> <p><b>II.2.2. Financial Investment Innovation</b></p> <ul style="list-style-type: none"> <li>- Predictive Analytics in Finance (3)</li> <li>- Financial Derivatives and Engineering (3)</li> <li>- Fixed Income Securities (3)</li> <li>- Portfolio Innovation and Risk Management (3)</li> <li>- Data-driven Valuation and Financial Modeling (Modern Equity Analysis) (3)</li> </ul>	<p><b>BACHELOR OF FINANCE AND BANKING (122 credits)</b></p> <p><b>III. ELECTIVES – INTERNSHIP - GRADUATION</b></p> <p><b>III.1. Electives / Minors (12-15 credits)</b></p> <ul style="list-style-type: none"> <li>- Students are required to take a minimum of 13 credits of electives if they choose the Internship Pathway, or 10 credits if they choose the Industrial Placement Pathway</li> <li>- Minors are subject to change and are dependent on their availability.</li> </ul> <p><b>III.2. Internship (3-6 credits)</b></p> <p>Choose one out of the following internship tracks:</p> <p><b>III.2.1. Internship Pathway (3)</b></p> <ul style="list-style-type: none"> <li>- Internship Orientation (10 hours)</li> <li>- Internship 1 or 2 (3)</li> </ul> <p><b>III.2.1. Industrial Placement Pathway (6)</b></p> <ul style="list-style-type: none"> <li>- Internship Orientation (10 hours)</li> <li>- Industrial Placement (6)</li> </ul> <p><b>IV. GRADUATION THESIS / CAPSTONE (6 credits)</b></p> <p>Choose one out of the following tracks:</p> <ul style="list-style-type: none"> <li>- Graduation Dissertation (6)</li> <li>- Capstone Project (6)</li> </ul>
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### 3.4 Standard Study Plan (Digital Banking Track)

*Year 1 - Semester 1:*

No.	Course Code	Course Name (English)	Course Name (Vietnamese)	Credit	Category
1	HASS1010	Marxism-Leninism Philosophy (Philosophy, Science and Society)	Triết Học Mác-Lênin (Triết học, Khoa học và Xã hội)	3	VinCore
2	HASS1020	Marxism-Leninism Political Economy (Global Political Economy)	Kinh tế Chính trị Mác-Lênin (Kinh tế chính trị toàn cầu)	2	VinCore
3	ENTR1022	Agile Innovation and Entrepreneurship	Khởi nghiệp và đổi mới sáng tạo	2	VinCore
4	ENGL1030	Academic and Professional Writing	Kỹ năng viết học thuật	2	VinCore
5	VCOR1021	Healthy Lifestyle 1	Lối sống khỏe mạnh 1	22.5 hrs	VinCore
6	VCOR1012A	OASIS (Orientation, Advising, Skills, Identity & Diversity and Spirit of Pay-it-Forward)	OASIS (Định hướng, Tư vấn, Kỹ năng, Bản sắc & Đa dạng, Tinh thần cho đi)	22.5 hrs	VinCore
7	LEAD1030	Leadership and Teambuilding Boot Camp	Trại huấn luyện kỹ năng lãnh đạo và làm việc nhóm	2	VinCore
8	STAT2020	Business Statistics	Thống kê kinh doanh	3	BBF Core
9	ECON1010	Introductory Microeconomics	Kinh tế học vi mô	3	BBF Core
<b>TOTAL</b>				<b>17</b>	

Year 1 - Semester 2:

No.	Course Code	Course Name (English)	Course Name (Vietnamese)	Credit	Category
1	HASS1030	Scientific Socialism (Politics and Social Change)	Chủ nghĩa Xã hội Khoa học (Chính trị và biến đổi xã hội)	2	VinCore
2	MANA3021	Business Ethics	Đạo đức trong kinh doanh	2	VinCore
3	LAW1010	Introduction to Law	Pháp luật đại cương	2	VinCore
4	ARTS1030/ PERF1010	Arts Appreciation and Application/ Artistic Performance and Application	Thưởng thức và thực hành nghệ thuật / Biểu diễn và thực hành nghệ thuật	2	VinCore
5	HASS1070	Cross-Cultural Navigation	Định hướng liên văn hóa	2	VinCore
6	VCOR1022	Healthy Lifestyle 2	Lối sống khỏe mạnh 2	22.5 hrs	VinCore
7	VCOR1012B	OASIS (Orientation, Advising, Skills, Identity & Diversity and Spirit of Pay-it-Forward)	OASIS (Định hướng, Tư vấn, Kỹ năng, Bản sắc & Đa dạng, Tinh thần cho đi)	22.5 hrs	VinCore
8	CECS1040	Introduction to AI Literacy	Nhập môn hiểu biết về AI	2	VinCore
9	ACCT2010	Introduction to Financial Accounting	Kế toán tài chính	3	BBF Core
10	VCOR1030	National Defense Education (During summer semester)	Giáo dục quốc phòng và An ninh	165 hrs	VinCore
11	COSL1010	Community Service Learning (during summer semester-tentative)	Học tập qua phục vụ cộng đồng	45 hrs	VinCore
<b>TOTAL</b>				<b>15</b>	

Year 2 – Semester 1

No.	Course Code	Course Name (English)	Course Name (Vietnamese)	Credit	Category
1	HASS1041	Ho Chi Minh Ideology (Vietnam: History and Cultures II)	Tư tưởng Hồ Chí Minh (Lịch sử và Văn hóa Việt Nam II)	2	VinCore
2	HASS1050	History of the Communist Party (Vietnam: History and Cultures I)	Lịch sử Đảng Cộng Sản Việt Nam (Lịch sử và Văn hóa Việt Nam I)	2	VinCore
3	MANA1011	Introduction to Managing Skills	Nhập môn kỹ năng quản lý	2	VinCore
4	IDEA1012	Big Ideas	Ý tưởng lớn	2	VinCore
5	BANA3020	Introduction to Programming and Python	Nhập môn Lập trình Python	3	VinCore
6	ECON1020	Introductory Macroeconomics	Kinh tế học vĩ mô	3	BBA Core
7	FINA2010	Financial Management	Quản trị tài chính	3	BBA Core
<b>TOTAL</b>				<b>17</b>	

Year 2 – Semester 2

No.	Course Code	Course Name (English)	Course Name (Vietnamese)	Credit	Category
1	THINK1010	Critical and Creative Thinking	Tư duy sáng tạo và phản biện	2	VinCore
2	BANA4010	Data Communication and Visualization	Truyền thông và Trực quan hóa Dữ liệu	3	BBF Core
3	FINI1030	Financial Statement Analysis	Phân tích Báo cáo Tài chính	3	BBF Core
4	FINI1020	International Finance	Tài chính Quốc tế	3	BBF Core
5	FINI1010	Financial Markets and Institutions	Thị trường và Tổ chức Tài chính	3	BBF Core
6	GENB0870	Internship Orientation	Định hướng thực tập	10 hrs	INT
6	GENB1871	Internship 1 (Applicable for students following the Internship Pathway during summer semester. Minimum 3 credits taken before graduation.)	Thực tập doanh nghiệp 1	3	INT (Optional)
<b>TOTAL</b>				<b>12-15</b>	

*Year 3 – Semester 1*

No	Course Code	Course Name (English)	Course Name (Vietnamese)	Credit	Category
1	CECS1031/ CECS1050	Computational Thinking / Introduction to Data Literacy	Tư duy máy tính / Nhập Môn Hiểu Biết về Dữ Liệu	2	VinCore
2	FINA3051	Quantitative Analysis for Finance	Phân tích Định lượng trong Tài chính	3	BBF Core
3	FINA3010	Corporate Finance	Tài chính Doanh nghiệp	3	BBF Core
4	BANK2010	Digital Transformation in Commercial Banking	Chuyển đổi Số trong Ngân hàng Thương mại	3	CON
5	BANK2020	Private Banking and Wealth Management	Ngân hàng Cá nhân và Quản lý Tài sản	3	CON
6		Elective	Môn tự chọn	3	ELT
<b>TOTAL</b>				<b>17</b>	

*Year 3 – Semester 2*

No.	Course Code	Course Name (English)	Course Name (Vietnamese)	Credit	Category
1	FINI1050	FinTech and Financial Innovations	Công nghệ Tài chính và Đổi mới trong Lĩnh vực Tài chính	3	BBF Core
2	FINI1040	Venture Capital and Private Equity	Vốn Đầu tư Mạo hiểm và Vốn Tư nhân	3	BBF Core
3	BANK3010	Central Bank and Bank Regulations	Ngân hàng Trung ương và Quy định Ngân hàng	3	CON
4		Elective	Môn tự chọn	3	ELT
5		Elective	Môn tự chọn	3	ELT
6	GENB1872	Internship 2 (Applicable for students following the Internship Pathway during summer semester. Minimum 3 credits taken before graduation.)	Thực tập doanh nghiệp 2	3	INT
<b>TOTAL</b>				<b>18</b>	

*Year 4 – Semester 1*

No.	Course Code	Course Name (English)	Course Name (Vietnamese)	Credit	Category
1	MANA4150	Business Research Methods	Phương pháp nghiên cứu trong kinh doanh	3	BBF Core
2	FINA3030	Behavioral Finance	Tài chính hành vi	3	BBF Core
3	BANK4010	Credit Risks Management: Using AI and Analytical Models	Quản trị Rủi ro Tín dụng: Ứng dụng Trí tuệ Nhân tạo và Mô hình Phân tích	3	CON
4	BANK4020	Treasury management and FX trading	Quản trị Ngân quỹ và Giao dịch Ngoại hối	3	CON
5		Elective	Môn tự chọn	3	ELT
<b>TOTAL</b>				<b>15</b>	

*Year 4 – Semester 2*

No.	Course Code	Course Name (English)	Course Name (Vietnamese)	Credit	Category
1	GENB4870	Industrial Placement (Applicable for students following the industrial placement pathway)	Học kỳ doanh nghiệp	6	INT
5	GEN4900/ GEN4970	Graduation Dissertation / Capstone Project	Khóa luận tốt nghiệp / Dự án tốt nghiệp	6	GRAD
<b>TOTAL</b>				<b>6-12</b>	

### 3.5 Standard Study Plan (Financial Investment Innovation Track)

*Year 1 - Semester 1:*

No.	Course Code	Course Name (English)	Course Name (Vietnamese)	Credit	Category
1	HASS1010	Marxism-Leninism Philosophy (Philosophy, Science and Society)	Triết Học Mác-Lênin (Triết học, Khoa học và Xã hội)	3	VinCore
2	HASS1020	Marxism-Leninism Political Economy (Global Political Economy)	Kinh tế Chính trị Mác-Lênin (Kinh tế chính trị toàn cầu)	2	VinCore
3	ENTR1022	Agile Innovation and Entrepreneurship	Khởi nghiệp và đổi mới sáng tạo	2	VinCore
4	ENGL1030	Academic and Professional Writing	Kỹ năng viết học thuật	2	VinCore
5	VCOR1021	Healthy Lifestyle 1	Lối sống khỏe mạnh 1	22.5 hrs	VinCore
6	VCOR1012A	OASIS (Orientation, Advising, Skills, Identity & Diversity and Spirit of Pay-it-Forward)	OASIS (Định hướng, Tư vấn, Kỹ năng, Bản sắc & Đa dạng, Tinh thần cho đi)	22.5 hrs	VinCore
7	LEAD1030	Leadership and Teambuilding Boot Camp	Trại huấn luyện kỹ năng lãnh đạo và làm việc nhóm	2	VinCore
8	STAT2020	Business Statistics	Thống kê kinh doanh	3	BBF Core
9	ECON1010	Introductory Microeconomics	Kinh tế học vi mô	3	BBF Core
<b>TOTAL</b>				<b>17</b>	

Year 1 - Semester 2:

No.	Course Code	Course Name (English)	Course Name (Vietnamese)	Credit	Category
1	HASS1030	Scientific Socialism (Politics and Social Change)	Chủ nghĩa Xã hội Khoa học (Chính trị và biến đổi xã hội)	2	VinCore
2	MANA3021	Business Ethics	Đạo đức trong kinh doanh	2	VinCore
3	LAW1010	Introduction to Law	Pháp luật đại cương	2	VinCore
4	ARTS1030/ PERF1010	Arts Appreciation and Application/ Artistic Performance and Application	Thưởng thức và thực hành nghệ thuật / Biểu diễn và thực hành nghệ thuật	2	VinCore
5	HASS1070	Cross-Cultural Navigation	Định hướng liên văn hóa	2	VinCore
6	VCOR1022	Healthy Lifestyle 2	Lối sống khỏe mạnh 2	22.5 hrs	VinCore
7	VCOR1012B	OASIS (Orientation, Advising, Skills, Identity & Diversity and Spirit of Pay-it-Forward)	OASIS (Định hướng, Tư vấn, Kỹ năng, Bản sắc & Đa dạng, Tinh thần cho đi)	22.5 hrs	VinCore
8	CECS1040	Introduction to AI Literacy	Nhập môn hiểu biết về AI	2	VinCore
9	ACCT2010	Introduction to Financial Accounting	Kế toán tài chính	3	BBF Core
10	VCOR1030	National Defense Education (During summer semester)	Giáo dục quốc phòng và An ninh	165 hrs	VinCore
11	COSL1010	Community Service Learning (during summer semester-tentative)	Học tập qua phục vụ cộng đồng	45 hrs	VinCore
<b>TOTAL</b>				<b>15</b>	

*Year 2 – Semester 1*

No.	Course Code	Course Name (English)	Course Name (Vietnamese)	Credit	Category
1	HASS1041	Ho Chi Minh Ideology (Vietnam: History and Cultures II)	Tư tưởng Hồ Chí Minh (Lịch sử và Văn hóa Việt Nam II)	2	VinCore
2	HASS1050	History of the Communist Party (Vietnam: History and Cultures I)	Lịch sử Đảng Cộng Sản Việt Nam (Lịch sử và Văn hóa Việt Nam I)	2	VinCore
3	MANA1011	Introduction to Managing Skills	Nhập môn kỹ năng quản lý	2	VinCore
4	IDEA1012	Big Ideas	Ý tưởng lớn	2	VinCore
5	BANA3020	Introduction to Programming and Python	Nhập môn Lập trình Python	3	VinCore
6	ECON1020	Introductory Macroeconomics	Kinh tế học vĩ mô	3	BBA Core
7	FINA2010	Financial Management	Quản trị tài chính	3	BBA Core
<b>TOTAL</b>				<b>17</b>	

*Year 2 – Semester 2*

No.	Course Code	Course Name (English)	Course Name (Vietnamese)	Credit	Category
1	THINK1010	Critical and Creative Thinking	Tư duy sáng tạo và phản biện	2	VinCore
2	BANA4010	Data Communication and Visualization	Truyền thông và Trực quan hóa Dữ liệu	3	BBF Core
3	FINI1030	Financial Statement Analysis	Phân tích Báo cáo Tài chính	3	BBF Core
4	FINI1020	International Finance	Tài chính Quốc tế	3	BBF Core
5	FINI1010	Financial Markets and Institutions	Thị trường và Tổ chức Tài chính	3	BBF Core
6	GENB0870	Internship Orientation	Định hướng thực tập	10 hrs	INT
6	GENB1871	Internship 1 (Applicable for students following the Internship Pathway during summer semester. Minimum 3 credits taken before graduation.)	Thực tập doanh nghiệp 1	3	INT (Optional)
<b>TOTAL</b>				<b>12-15</b>	



Year 3 – Semester 1

No	Course Code	Course Name (English)	Course Name (Vietnamese)	Credit	Category
1	CECS1031/ CECS1050	Computational Thinking / Introduction to Data Literacy	Tư duy máy tính / Nhập Môn Hiểu Biết về Dữ Liệu	2	VinCore
2	FINA3051	Quantitative Analysis for Finance	Phân tích Định lượng trong Kinh doanh	3	BBF Core
3	FINA3010	Corporate Finance	Tài chính Doanh nghiệp	3	BBF Core
4	FINI2010	Financial Derivatives and Engineering	Công cụ Phái sinh và Kỹ thuật Tài chính	3	CON
5	FINI2020	Data-driven Valuation and Financial Modeling	Ứng dụng Dữ liệu trong Định giá và Mô hình Tài chính	3	CON
6		Elective	Môn tự chọn	3	ELT
<b>TOTAL</b>				<b>17</b>	

Year 3 – Semester 2

No.	Course Code	Course Name (English)	Course Name (Vietnamese)	Credit	Category
1	FINI1050	FinTech and Financial Innovations	Công nghệ Tài chính và Đổi mới trong Lĩnh vực Tài chính	3	BBF Core
2	FINI1040	Venture Capital and Private Equity	Vốn Đầu tư Mạo hiểm và Vốn Tư nhân	3	BBF Core
3	BANA4040	Predictive Analytics in Finance	Phân tích dự báo trong Tài chính	3	CON
4		Elective	Môn tự chọn	3	ELT
5		Elective	Môn tự chọn	3	ELT
6	GENB1872	Internship 2 (Applicable for students following the Internship Pathway during summer semester. Minimum 3 credits taken before graduation.)	Thực tập doanh nghiệp 2	3	INT
<b>TOTAL</b>				<b>18</b>	

*Year 4 – Semester 1*

No.	Course Code	Course Name (English)	Course Name (Vietnamese)	Credit	Category
1	MANA4150	Business Research Methods	Phương pháp nghiên cứu trong kinh doanh	3	BBF Core
2	FINA3030	Behavioural Finance	Tài chính hành vi	3	BBF Core
3	FINI4010	Fixed Income Securities	Chứng khoán thu nhập cố định	3	CON
4	FINI4020	Portfolio Innovation and Risk Management	Đổi mới Danh mục Đầu tư và Quản trị Rủi ro	3	CON
5		Elective	Môn tự chọn	3	ELT
<b>TOTAL</b>				<b>15</b>	

*Year 4 – Semester 2*

No.	Course Code	Course Name (English)	Course Name (Vietnamese)	Credit	Category
1	GENB4870	Industrial Placement (Applicable for students following the industrial placement pathway)	Học kỳ doanh nghiệp	6	INT
5	GEN4900/ GEN4970	Graduation Dissertation / Capstone Project	Khóa luận tốt nghiệp / Dự án tốt nghiệp	6	GRAD
<b>TOTAL</b>				<b>6-12</b>	

## 3.6 Course Descriptions

### 3.6.1 VINCORE Courses

#### **ENTR1022 Agile Innovation and Entrepreneurship**

**2 credits**

*Pre-requisite: None*

The purpose of this course is to provide students with a basic understanding of the innovation/entrepreneurial process and experiential learning opportunities to practice and refine those skills. This course is highly interactive and involves a mix of lectures and activities to immediately apply course concepts. The course is intended for students from all academic disciplines and intended to provide skills that are applicable in many other aspects of life beyond creating a new venture. Students will gain a broader perspective of both the challenges (i.e. organizational and institutional) and opportunities (i.e. unmet customer needs and possibilities for future ventures) for innovation.

As part of this class, students will form teams for a Hackathon event where they will generate innovative solutions to real-world problems. Students will learn and apply team innovation processes, business model innovation, design thinking, creativity management, product pitches, data analysis, critical thinking, and product innovation. This course also helps students build their professional network.

#### **IDEA1012 Big Ideas**

**2 credits**

*Pre-requisite: None*

This course introduces first-year students to the fundamental concepts of sustainability within a business context. Students will explore the environmental, social, and economic dimensions of sustainability, gaining insights into how businesses can integrate sustainable practices to create long-term value and competitive advantage as well as mitigate market risks, and drive innovation. The course will cover various frameworks, tools, and case studies that illustrate how sustainability principles are applied across different industries and organizational functions. In this class, students will explore and tackle some of the leading contemporary issues around sustainability topics. Each week, students will be presented with a real-world case from diverse sectors, along with guiding questions to explore. Weekly group presentations and discussions in class will allow students to share their analyses and exchange ideas.

For the final assessment, students will work on a real-life sustainability challenge provided by an industry partner. This hands-on experience will help students apply key sustainability frameworks, principles, and models to address complex, real-world problems, develop innovative solutions, and propose actionable strategies.

#### **LEAD1031 Leadership and Teambuilding Bootcamp**

**2 credits**

*Pre-requisite: None*

On successful completion of this course, students will be able to:

1. Define foundational concepts of leadership traits, leadership styles, values, and trends, and their applications to real-life situations, especially in a turbulent world.
2. Describe and evaluate the differences and similarities between management and leadership, and their application in an organizational setting.
3. Evaluate the multifaceted nature of leadership in Vietnam and internationally, and their impact on work environments, particularly in a VUCA context. Have access to insights on Vingroup's mission, vision, and core values.
4. Develop your own leadership mindset by setting a vision, developing self-awareness, understanding others' perspectives, understanding situational contexts, communicating effectively, and making informed decisions. setting a vision, accepting accountability, understanding self and others' limits, inspiring and motivating others, and creating the collaborative conditions for success
5. Apply basic leadership values and skills through action-based learning, self-building, interpersonal, and team leadership during the leadership bootcamp.

### **VCOR1030 National Defense Education**

**165 hours**

On successful completion of this course, students will be able to:

1. Understand and articulate knowledge of the National Defense and Security policies of the Communist Party of Vietnam.
2. Understand basic concepts of national defense and security work.
3. Understand and practice the fundamental rules and disciplinary regulations in military organization.
4. Practice the fundamental techniques and tactics of infantry combat

### **LAW1010 Introduction to Law**

**2 credits**

***Pre-requisite:*** None

This course is an introduction to concepts, role and principles of law as well as major fields of law in society. It provides students with general knowledge of law that will serve as a helpful foundation for understanding how law interacts with other disciplines that they study and pursue in the future. The course covers various aspects from legal theory including notion, nature, sources, rule of law, major legal and government systems, legal profession and comparative legal analysis between different bodies of law, branches of international law as well as different mechanisms of dispute settlement, either at municipal courts or other international forums worldwide. All the topics combine legal understanding and practical issues in both the Vietnamese context and a wide diversity of international legal backgrounds to help students gain familiarity with basic concepts of national law and be aware of international fundamental legal standards. Throughout the course, students develop critical analysis and problem solving, work-in-group and presentation skills, research literacy in law through theoretical lectures, case law analysis, individual and team assignments.

### **MANA3021 Business Ethics**

**2 credits**

***Pre-requisite: None***

This course focuses on ethical problems in business and organizational contexts. Topics include basic concepts of business and business ethics, the practices of business ethics to each type of stakeholders, and the challenges of business ethics. Students are expected to perform hands-on analysis with case studies. The course also aims to enable students with analytical and communication skills through in-class group activities that help address ethical problems in practice.

**COSL1010 Community Service Learning**

**45 hours**

***Pre-requisite: None***

The Introduction to Service-Learning is a P/F, course which aims to promote skill-building: reflection, empathy, teamwork, oral communication, written communication (in your reflective journals), and attitudes: societal awareness and social responsibility. Students can choose from different topics such as pollution, teaching, or cultural preservation which change from year to year.

In addition, this class focuses on project-based activities during the 8 in-person sessions and requires additional hours participating in a service-learning field experience.

For this course, students will unpack their own motivations and identity related to social issues using a public narrative and concepts related to civic engagement.

**THINK1010 Critical and Creative Thinking**

**2 credits**

***Pre-requisite: None***

In this course students will develop their critical thinking skills through studying the nature of arguments, good reasoning, fallacies, and the art of debating. Different kinds of arguments will be presented, such as the distinction between deduction and induction, as well as causal reasoning in the sciences. With an eye on application to real-world issues, students will apply the reasoning skills they develop to evaluate and improve arguments from case studies. The examples chosen will be reflective of STEM and Business content so they can see the relevance of the skills developed to their own major and future career. Creative thinking will be developed through the study of problem-solving cases and training in various methods of idea generation. This will culminate in a case-based competition in the final two classes that will be introduced and judged by an industry expert.

**CECS1031 Computational Thinking**

**2 credits**

***Pre-requisite: None***

This course is designed for students with no prior background in computing, offering them foundational skills to analyze problems, design computational solutions, and implement basic programs. Through hands-on labs and interdisciplinary case studies, students will learn to approach challenges in areas such as business, economics, engineering, and healthcare. By emphasizing core concepts such as abstraction, algorithms, efficiency, and correctness, this course fosters critical thinking and practical problem-solving abilities. It also introduces students to emerging topics like artificial intelligence, data science, and ethical computing, helping them become informed and adaptable digital citizens.

This course enables students from all disciplines to solve problems systematically and efficiently. This course equips students with foundational knowledge in algorithms, data, and basic programming, even without prior computing experience

**CECS1050 Introduction to Data Literacy**

**2 credits**

*Pre-requisite: None*

Organizations, media, and policy increasingly rely on data driven claims. This course builds the baseline ability to interrogate those claims, produce simple yet correct analyses, and present insights clearly to varied audiences. Students from CECS will gain skills beyond coding by practicing communication and ethics. Students from other Colleges will gain quantitative confidence, including spreadsheet skills, basic Python, and statistical thinking that supports managerial decisions. Upon completing this course, students will understand uncertainty, quantify tradeoffs, and be credible contributors in data informed teams.

**CECS1040 Introduction to AI Literacy**

**2 credits**

*Pre-requisite: None*

This course provides a foundational understanding of the fundamental concepts, principles, and key technologies underlying Artificial Intelligence. The course equips students with the competence to use contemporary AI tools, such as ChatGPT for work and study tasks. Students will cultivate the ability to discuss the significant ethical considerations and societal impacts associated with AI systems, including data privacy and algorithmic bias. Furthermore, the course will explore how AI together with appropriate user interfaces can be strategically applied to improve efficiency and foster innovation in academic and professional settings. Learning will occur through lectures, and assessment will be based on individual assessments and a group assignment. Upon completion, students will be able to understand basic AI principles, use AI tools effectively, recognise ethical implications, apply AI to improve efficiency and innovation, and contrast user interfaces for better human-AI interaction.

**ENGL1030 Academic and Professional Writing**

**2 credits**

*Pre-requisite: None*

Why write if AI can do it for us? This course invites you to explore that question while mastering the essentials of academic writing. Through a practical, process-based approach that includes drafting, AI-assisted feedback, reflection, and revision, you'll refine your ability to think critically, argue effectively, and write ethically in the age of generative AI. You'll analyze how AI shapes writing, practice responsible integration of AI tools, and complete innovative tasks—from experimenting with prompts to maintaining process notebooks and engaging with thought-provoking materials. By the end, you'll strengthen your academic voice and communication skills for success across all VinUniversity courses.

**MANA1011 Introduction to Managing Skills**

**2 credits**

*Pre-requisite: None*

This course introduces students to the essential management skills required to succeed in professional and personal settings. It focuses on practical tools for improving interpersonal effectiveness, problem-solving, communication, and teamwork. The course emphasizes

experiential learning through individual exercises, group work, and real-life applications, all based on the content of "Developing Management Skills" by David A. Whetten and Kim S. Cameron.

**VCOR1012A/B OASIS (Orientation, Advising, Skills, Identity & Diversity and Spirit of Pay-it Forward) 45 hours**

***Pre-requisite:* None**

OASIS, which stands for Orientation, Advising, Skills, Identity & Diversity, and Spirit of Pay it Forward, is an integral, non-credit-bearing mandatory component of the Co-curriculum Program and plays an important role as one of the graduation criteria.

OASIS is a distinctive signature program of VinUni that holds a registered trademark. Its primary objective is to cultivate a self-leadership mindset and equips students with essential skills, facilitating their transformation from high school students into effective university scholars, responsible global citizens, and be ready for future career. OASIS is implemented in the first 4 years of bachelor's degree to ensure there is enough time for students to reflect and practice their own self-leadership development, especially in developing essential qualities for work and life, including self-confidence, self-esteem, self-determination, and self-control.

**VCOR1021/22 Healthy Lifestyle 45 hours**

***Pre-requisite:* None**

This is a mandatory and non-credit bearing course of the VinCore program. Undergraduate students are required to enroll in this course to fulfill part of the graduation requirements and are expected to complete it by the end of their first-year study. This course provides the essential knowledge, skills and practicum lessons (exercise/sport classes), whereby students are able to develop a suitable approach in attaining a physically, mentally, socially and spiritually healthy lifestyle.

**HASS1010 Marxism Leninism Philosophy (Philosophy, Science and Society) 3 credits**

***Pre-requisite:* None**

This course is a compulsory course in university curriculum according to the Vietnam Ministry of Education and Training (MOET). The course provides students with basic and foundational understanding of philosophy in general and Marxist-Leninist philosophy in particular. It is the prerequisite for other courses in the block of compulsory political and theoretical courses required by MOET (the others include: Marxist-Leninist Political Economics, Scientific Socialism, The Revolutionary Way of The Communist Party of Vietnam, and Ho Chi Minh Thoughts). MLP also plays the role of preparing students for the scientific and academic contents that they will study in different majors at VinUniversity.

**HASS1020 Marxism-Leninism Political Economy (Global Political Economy) 2 credits**

***Pre-requisite:* None**

This course offers opportunities to study how various political and economic actors, systems, conditions, and schools of thought interact and influence each other in shaping the world around us. The course would engage complex questions as to why various issues and

challenges including climate change, international trade, poverty have no pure political or economic explanation? Why do foreign economic policies defy the logic of economics? The course begins with an introduction to Political Economy and a survey of various political-economic actors and select schools of economic thought. The students will be presented with nuanced narratives of globalization, its benefits and risks, and the future. A key development in studies of the political economy suggests that the ability of a country to integrate or cope with the extending reach of globalization is largely determined by domestic governance. In line with this, the second part of the course focuses on the economic history of Vietnam in the regional and global context and the changing domestic governance of the country from past to present. We pay attention to “alternate histories” of change that underlined the road leading to the Doi Moi reforms and Vietnam’s re-entry into the global political economy. In the third part of this course, we examine the changing configurations of the global political economy vis-à-vis Vietnam, paying special attention to the immediate regions surrounding Vietnam, namely ASEAN, East Asia (in particular, China), and South Asia. We shall conclude this stand-alone course on the global political economy by examining the status of Vietnam and possible pathways the country might take in the globalized digital present and future.

**HASS1030 Scientific Socialism (Politics and Social Change)**

**2 credits**

*Pre-requisite: None*

On successful completion of this course, students will be able to:

1. Describe and explain the concepts of politics and social change of Vietnam and around the region, and acquire some lexicon of the subject;
2. Understand how politics and political systems are key to socio-economic developments, including but not limited to the Marxist-Leninist views;
3. Understand the ways politics affects economic management, and help determine national success
4. Compare Vietnam’s national development with national efforts elsewhere in Asia;

**HASS1041/42 Ho Chi Minh Ideology (Vietnam History and Culture II)**

**2 credits**

*Pre-requisite: None*

The great American humorist and writer Mark Twain once said, “History doesn’t repeat itself, but it often rhymes.” This course takes as its point of departure the possibility of using those rhymes of the past to better help us navigate our present and future. What lessons can we draw? As future business people, filmmakers, publicists, analysts, psychologists, health care professionals, engineers, computer scientists, or whatever career you choose, these lessons have far more relevance than you may imagine.

Vietnam History and Culture II is intended for all students, whether they have an aversion to or love for history. The course aims to train practitioners, no matter the field, how to use history to better navigate and assess the complex issues facing Vietnam today as well as make informed judgements about what lies ahead.



## **HASS1050 History of the Communist Party (Vietnam History and Culture I) 2 credits**

***Pre-requisite:*** None

This course engages the former worlds of premodern Vietnam as a foil for understanding of the place and possibilities of the Vietnamese Communist Party (VCP) today. We seek to accomplish this by grappling big questions. What are history and culture? Who are the Vietnamese? Where should we position Vietnamese in place and time? How has geography, climate, and ecology shaped their lives? What ideas shaped Vietnamese sense of self? How did their outlooks on the world direct their responses to crisis and change? What does the past teach us about possibilities for the future? By beholding the past, how can we better understand the VCP's history and reflect on its forward trajectories?

## **HASS1070 Cross-Cultural Navigation**

**2 credits**

***Pre-requisite:*** None

To thrive in the 21st century, young people must be able to navigate cross-cultural differences and achieve a level of cultural intelligence (CQ) – the ability to adapt to and understand culturally diverse contexts – as never before. The global impact of the Covid 19 pandemic has only further confirmed this need. Consequently, this course helps students to explore the cross-cultural experience, examine their own cultural biases, and prepare for the demands of 21st-century interconnectedness. Therefore, Cross-Cultural Navigation (CCN) explores factors that influence communication in an intercultural context as well as the rules and customs governing behavior. We will approach communication from the perspective of Anthropology and Cultural Geography, understanding that all relationships and group dynamics are developed and fostered within a specific cultural context. With this in mind, the course will cover a host of topics relating to communication including Ethics, Social Structure, Religion, Communication, National Identity, Decision-making, and Leadership. CCN will primarily focus on practical applications and case studies. Lectures will be used to frame and enhance content. We will explore how to communicate effectively in a multicultural environment and how to manage, negotiate, and resolve cross-cultural conflicts. Students will engage in real-world and simulated cross-cultural scenarios, to gain practical experience relevant to cooperating with and living with people from diverse backgrounds. In these simulations, as well as in-class discussions, course members will analyze and reflect critically upon the multifaceted nature of communication, which includes verbal, non-verbal, and written forms of expression, as well as central customs and practices that give shape to relationships.

## **HASS1100 Introduction to International Relations**

**2 credits**

***Pre-requisite:*** None

On successful completion of this course, students will be able to:

1. Know the main actors, structures, and processes of international relations
2. Understand the basic theoretical principles of international relations and compare the competing underlying frameworks on human and social nature
3. Identify the respective objectives of international organizations in international politics, collaboration, and cooperation

4. Explore a case study, problem-solving scenario or dilemma involving international relations and devise a strategy/solution supported by theory and solid argumentation
5. Critically assess alternative strategies and points of view on complex scenarios requiring international relations

### **ARTS1030 Art Appreciation and Application**

**2 credits**

***Pre-requisite:*** None

Art Appreciation is a one-credit elective course that provides general introduction to the visual arts, media, techniques, and history. This course takes on interdisciplinary approaches to equip students with a broad knowledge of the historical, practical, philosophical, cultural and social contexts of the arts in order to help students gain ability to articulate their understanding and interpretation of the arts. This course introduces students to aspects of arts research and curation, as well as elements, media, and methods used in creative processes. The application of the arts, especially visual arts in daily life and in the field of business, technology and medicine is explored in this course. This course also aims to develop students' appreciation for Vietnam arts and visual art forms by providing them with opportunities to explore the diversity and richness of what Vietnam has to offer in terms of the arts.

### **PERF1010 Artistic Performance and Application**

**2 credits**

***Pre-requisite:*** None

On successful completion of this course, students will be able to:

1. Show improved skill in their chosen artistic field (e.g., music, dance, theatre, visual arts) and express their creativity and individuality through performance(s).
2. Evaluate and discuss different forms of artistic performance, identifying key elements and techniques, and write reflective assessments on their personal artistic development.
3. Work well with peers to create and perform artistic pieces, and effectively give and receive constructive feedback.
4. Clearly communicate the artistic vision and choices behind their performances both verbally and in writing (if required) and develop their skills in presenting artistic work to an audience, including stage presence and audience engagement.
5. Explore and appreciate a variety of artistic traditions from around the world, with a special focus on Vietnamese culture, and place their own artistic work in a wider cultural and historical context.
6. Plan, organize, and complete an artistic performance project from start to finish, demonstrating good time management and organizational skills.
7. Understand and apply ethical considerations in artistic performance, including respecting intellectual property and cultural sensitivities, and behave professionally during rehearsals, performances, and collaborative projects.

### **3.6.2 BBF Core Requirement**

**ECON1010: Introductory Microeconomics****3 credits*****Prerequisite:*** None

This 3-credit course is to provide an overview of microeconomics for business students for the first year. This is a basic and foundational course in microeconomics to support students majoring in business and management to access specialized subjects for the next school year, and also to help students remember, understand, and apply microeconomic knowledge to the decision-making process in management, the role of microeconomics in business administration. Students are equipped with the fundamentals of microeconomics to understand issues of economic activities in relation to the market and firm's behavior. Topics may include the supply and demand, market efficiency and government interventions, production decisions, market structure, the organization of industry, and the impact of microeconomic variables on economic activity and business decision making.

**ECON1020: Introductory Macroeconomics****3 credits*****Prerequisite:*** None

This 3-credit course is to provide an overview of macroeconomics for business students for the second year. This is a basic and foundational course in macroeconomics to support students majoring in business and management to access specialized subjects for the next school year, and also to help students remember, understand, and apply macroeconomic knowledge to the decision-making process in management, the role of macroeconomics in business administration. Students are equipped with the fundamentals of macroeconomics to understand issues of aggregate economic activity in relation to the level, stability, and growth of national income. Topics may include the determination and effects of unemployment, inflation, balance of payments, deficits, and economics.

**STAT2020 Business Statistics****3 credits*****Prerequisite:*** None

In this course, the students are introduced to the subject of business statistics to include the need for quantitative analysis in business, the basic procedures in problem solving, and the sources and types of data used by business firms using business application software. Basic probability concepts and normal probability distribution are used by the student to solve real world business problems which involve business applications.

**ACCT2010: Introduction to Financial Accounting****3 credits*****Prerequisite:*** None

Comprehensive introduction to financial accounting concepts and applications. Focuses primarily on recording and communicating financial information for use by external users such as investors, creditors and regulators, and is intended to provide a basic understanding of the accounting cycle, elements of financial statements, Generally Accepted Accounting Principles. (GAAP), International Financial Reporting Standards, and financial statement interpretation (IFRS). Topics include accounting for inventory, receivables, depreciation, bonds, equity, and cash flows.

**FINA2010 Financial Management****3 credits*****Prerequisite:* ACCT2010**

This course aims to cover the basic concepts of financial management that are of primary concerns to corporate managers. The course provides necessary knowledge related to net present value, stock and bond valuation, risk and return, dividend policy, capital budgeting, cost of capital, and working capital management. Upon completion of this course, students will be able to understand the considerations needed to make financial decisions of a firm.

The format of this course is primarily lecture and tutorial with real-world case studies and guest lectures to build the linkage with business operations and to gauge your understanding of the material. At the end of the course, students will participate in a marked simulation to apply their knowledge to make various financial decisions for a hypothetical firm. All class activities are expected to be delivered offline on campus.

**BANA3020: Introduction to Programming and Python****3 credits*****Prerequisite:* STAT2020**

Programming and problem-solving using a popular programming language. Emphasizes principles of software development, style, and testing. Topics include procedures and functions, iteration, recursion, arrays and vectors, strings, an operational model of procedure and function calls, algorithms, exceptions, object-oriented programming, and GUIs (graphical user interfaces). Weekly labs provide guided practice on the computer, with staff present to help. Assignments use graphics and GUIs to help develop fluency and understanding.

**BANA4010: Data Communication and Visualization****3 credits*****Prerequisite:* STAT2020**

Information visualization strategies and associated software, emphasizing communication to diverse audiences. Select between geospatial (GIS) and qualitative data foci. Develop graphics and/or multimedia products supporting research projects in concurrent courses. Compile iterative digital portfolio. Outcome 1: Students will be able to select and create the most appropriate information display strategy (e.g., graphs, maps, infographics, matrices and/or multimedia pieces), accompanying text and formatting details for a given data objective and audience. Outcome 2: Students will be able to effectively employ a broad range of visual communication techniques in publishable elements to support and enhance a field research project in the natural or social sciences.

**MANA4150: Business Research Methods****3 credits*****Prerequisite:* STAT2020**

This course is designed to learn background knowledge about business research, and necessary research methods (qualitative and quantitative) for future research projects including graduation thesis. Knowledge of research methods can be a differentiator in the job market, showcasing your ability to handle complex data and contribute to strategic

planning. By taking this course, students also have the opportunity to engage in research activities via their assignments and develop their research skills. The course teaches how to collect, analyze, and interpret data effectively, which is crucial for making informed business decisions rather than relying on intuition alone. It fosters critical thinking and analytical skills, enabling you to evaluate research findings and their implications more effectively. This course also includes guest lecture sessions for students to be exposed to business case studies using research to solve business problems

**FINI1010: Financial Markets and Institutions**

**3 credits**

***Prerequisite:*** ACCT2010

This course introduces the structure, functions, and roles of financial markets and institutions in channeling funds, managing risks, and supporting economic development. Students will study money and capital markets, financial instruments, commercial and central banks, non-bank intermediaries, regulation, and emerging trends such as fintech and AI. The course integrates theory with practical applications through a case study, simulation group project, guest lectures, and applied exercises.

**FINA3010: Corporate Finance**

**3 credits**

***Prerequisite:*** FINA2010

Builds on the prerequisite courses of financial accounting and financial reporting. The course focuses on the mathematics of finance, valuation, and the economics of managerial decisions, corporate financial policy, risk management, and investments. Topics include applications of discounting techniques, evaluation of capital expenditures, estimation of cost of capital, bond and stock valuation, portfolio theory, asset-pricing models, and capital-structure decisions. The course emphasizes valuation skills as a means to bring together the cost of capital, financing, and operating issues faced by a firm. Students come to understand the financial impact of managerial decisions, know how to differentiate decisions that increase the value of a firm, and know how to properly evaluate investment and financing decisions. They also learn standard techniques of financial analysis, such as discounted cash-flow valuation, capital budgeting, risk analysis, and estimation of the cost of debt and equity.

**FINI1020: International Finance**

**3 credits**

***Prerequisite:*** FINA2010/ECON1020

This course covers theory and practice of international finance, including balance of payments, exchange rates (real and nominal) determination, international capital flow, transmission of monetary and fiscal policies across countries, and different types of financial crises. The course will cover theoretical models and econometric techniques that are built on case studies of historical financial crises. It will also introduce students to fast changing area of international finance such as electronification of forex trading, persisting dominance of the US dollar, China's alleged exchange rate manipulations, development of cryptocurrency, turbulence in the oil market, rise of global imbalances, and Eurozone response to Covid-19 pandemic.

**FINI1030: Financial Statement Analysis****3 credits*****Prerequisite:*** ACCT2010, FINA2010

This course introduces students to the principles and techniques of analyzing banks financial statements. Students will learn how to interpret the income statement, balance sheet, and cash flow statement, calculate financial ratios and apply tools such as trend analysis to assess profitability, efficiency, liquidity, solvency. Emphasis is placed on applying financial statement analysis in banking through case studies, banking simulation group projects.

**FINA3051: Quantitative Analysis for Finance****3 credits*****Prerequisite:*** STAT2020

This course provides an introduction to the econometric techniques utilized for analyzing data sets in the fields of economics, business, and finance. It builds upon fundamental principles of statistics, inference, and regression covered in introductory statistics courses. The primary focus is to develop an understanding of the methods involved, employ statistical software to derive results, and subsequently interpret and comment on the findings. The course begins with a review of basic statistics, regression, and inference, and subsequently delves into multiple regression analysis. The remainder of the course explores panel regression analysis and regression models with dummy variables as the dependents. Throughout the course, there will be many empirical examples using a wide variety of data sets.

**FINI1040: Venture Capital and Private Equity****3 credits*****Prerequisite:*** ACCT2010/FINA2010

This course introduces students to the full lifecycle of venture capital and private equity investments, from fundraising to exit strategies. Learners will explore valuation techniques, deal structuring, and portfolio management through both traditional and AI-augmented approaches. The course emphasizes data-driven innovation, ethical considerations, and the role of technology in transforming private market investing. Students will gain practical insights into VC/PE decision-making and the strategic value-creation process for startups and mature firms alike.

**FINA3030: Behavioural Finance****3 credits*****Prerequisite:*** STAT2020

This course explores the intersection of psychology and finance, investigating how cognitive biases, emotional responses, and social influences impact financial decision-making and market behavior. Students will critically examine anomalies in asset pricing, investor behavior, and corporate decision-making that traditional finance theories fail to explain. Topics include overconfidence, loss aversion, mental accounting, herd behavior, and behavioral biases in investment and corporate settings. Case studies, simulations, and empirical research will be used to evaluate real-world implications for financial markets, asset management, and regulation.

***Prerequisite:***

This course explores how technological advances are transforming the financial industry and redefining traditional banking and investment models. The course examines key technologies such as blockchain, artificial intelligence, big data, cloud computing, and digital currencies, emphasizing their impact on financial inclusion, sustainability, and regulation. Students will analyze case studies of fintech applications and critically assess how innovation interacts with law, ethics, and risk management. Through hands-on exercises and analytical projects, learners will design technology-driven financial solutions that address real-world challenges. This course equips students with the interdisciplinary skills to navigate and lead in the rapidly evolving digital finance ecosystem.

**3.6.3. Concentrations Requirement****a. Digital Banking Concentration Courses**

**BANK2010: Digital Transformation in Commercial Banking**  
**credits**

**3*****Prerequisite: FINI1010***

This course critically examines commercial banking management, risk, regulation, and performance, highlighting the role of banks in financial intermediation and the economy. You'll explore the structure of the financial system and the challenges of managing banks, applying theory to real-world scenarios from various stakeholder perspectives. The course introduces the benefits, challenges and limitations caused by products and services transformation into digital goods, new customer demands, changing regulations to govern the competitive landscape and future trends shaping the digital banking sphere. Throughout the course, students will use state-of-the-art examples from worldwide companies.

**BANK2020: Private Banking and Wealth Management**

**3 credits*****Prerequisite: ACCT2010***

This course provides students with a comprehensive understanding of how financial institutions serve affluent and high-net-worth clients through tailored advisory and investment services. The course covers financial planning, client segmentation, portfolio construction, risk management, estate planning, and ethical considerations in wealth management. Students will gain exposure to real-world industry practices through case studies, simulations, and guest lectures from private bankers and fintech wealth advisors. Emphasis is placed on integrating traditional finance principles with emerging trends in fintech, sustainability, and behavioral finance. By the end of the course, students will be able to design client-centered financial plans and navigate the evolving landscape of global and Asian wealth management.

**BANK3010: Central Bank and Bank Regulations**

**3 credits*****Prerequisite: None***

This course provides students with a comprehensive understanding of the roles and functions of a central bank in the modern financial system. Students will explore how central banks formulate and implement monetary policy to promote economic stability, control inflation, and support sustainable growth. The course also examines key international regulatory frameworks and their application in the Vietnamese context. Through case studies and practical exercises, students will learn how regulatory decisions affect money supply, interest rates, and bank operations. In addition, students will be able to evaluate the effectiveness of monetary policy and bank regulations, and propose policy recommendations that promote financial innovation while ensuring prudential supervision.

**BANK4010: Credit Risks Management:  
Using AI and Analytical models**

**3 credits**

*Prerequisite: FINA3010*

This course examines how financial institutions assess, price, and manage credit risk in an increasingly data-driven environment. Students will learn both traditional and modern credit modeling approaches, including probability of default estimation, value-at-risk, and stress testing. Emphasis is placed on integrating AI-powered scoring systems and alternative data sources to enhance predictive accuracy and decision-making. Through simulations and applied projects, students will develop the ability to evaluate and design robust credit risk frameworks.

**BANK4020: Treasury Management and FX Trading**

**3 credits**

*Prerequisite: FINA3010*

This course explores the strategic and operational functions of corporate treasury and foreign exchange management within financial institutions. Students will learn techniques in cash flow forecasting, liquidity management, and the use of hedging instruments to mitigate FX, interest rate, and liquidity risks. The course combines analytical rigor with practical exposure to global macroeconomic trends and market psychology. Graduates will be equipped to make data-informed treasury decisions and manage financial risks in dynamic global markets.

**b. Financial Investment Innovation Courses**

**FINI2010: Financial Derivatives and Engineering**

**3 credits**

*Prerequisite: FINA2010*

This course provides a comprehensive study of derivative instruments—futures, options, forwards, and swaps—and their role in financial engineering and risk management. Students will learn valuation techniques, arbitrage strategies, and the use of derivatives for hedging, speculation, and structured product creation. Special focus is given to the mechanics of derivative markets, pricing models, such as Black-Scholes and binomial option pricing models, and the design of synthetic financial instruments. Real-world case studies, trading simulations, and applications in commodities, interest rates, and equity markets are included.



**FINI2020: Data - driven Valuation and Financial Modeling (Modern Equity Analysis)**  
**3 credits**

***Prerequisite:*** FINA3010

This course develops students' ability to apply modern analytical and modeling techniques to evaluate firms and securities. The course integrates data analytics with valuation methods such as discounted cash flow, comparable company, and transaction analysis. Students will build, test, and interpret financial models to support investment and corporate finance decisions. Emphasis is placed on forecasting accuracy, critical evaluation of assumptions, and professional communication of valuation outcomes.

**BANA4040: Predictive Analytics in Finance** **3 credits**

***Prerequisite:*** None

Prediction of future is a core task in finance. This course covers cross-sectional prediction and time series forecast (time series decomposition, exponential smoothing, ARMA, etc.)

**FINI4010: Fixed Incomes Securities** **3 credits**

***Co-requisites:*** FINI2010

This course introduces students to fixed income markets and instruments, including government and corporate bonds, mortgage-backed securities, and money market instruments. Topics include various bond pricing methods, duration and convexity, yield curve analysis, interest rate risk management using interest rate options and swaps, and credit risk assessment. Emphasis is placed on both theoretical foundations and real-world applications, including the use of spreadsheet models and financial data sources.

**FINI4020: Portfolio Innovation and Risk Management** **3 credits**

***Prerequisite:*** FINI2010

This course covers modern portfolio construction, optimization, and risk management techniques with an emphasis on the integration of artificial intelligence and quantitative tools. Students will learn how to design, evaluate, and optimize investment portfolios using modern portfolio management techniques. Key topics include portfolio theory, risk-adjusted performance measures, alternative assets, and systematic strategies for informed and strategic investment choices.

**3.6.4 Internship courses**

**GENB0870: Internship Orientation** **10 hours**

***Prerequisite:*** None

The internship orientation course is designed to provide students with basic understanding and skills to succeed in their summer internships and make them remarkable learning experiences. By taking this course, students will learn (1) how to search for suitable internship opportunities that are most beneficial for their future careers, (2) how to apply

for and successfully get an appropriate internship offer, (3) how to adapt to different working environments, perform well during their summer internships and build their professional network. Furthermore, they will be well informed about the learning outcomes and assessment of the summer internship course. The completion of this internship orientation course is compulsory for all CBM students in order to take summer internships

**GENB1871/2: Internship1/2**

**3 Credits**

*Prerequisite: GENB0870*

The summer internship offers students opportunities to apply theoretical knowledge to a real-world work environment and learn more about companies that students may be interested in joining after graduation. The internship will take place off-campus at a business organization of the student's choice (subject to acceptance into a designed program and the college approval). During the internship, students will have the opportunity to discover and/or confirm their career interests, develop their knowledge of business management, and gain valuable professional skills and connections with industry professionals. Students will complete the program under the guidance and support of an industry supervisor, an industry mentor, and a faculty advisor, who will jointly help students to create SMART learning outcomes (specific, measurable, achievable, relevant and time-bound).

**GENB4870: Industrial Placement**

**6 Credits**

*Prerequisite: GENB0870*

The Industry Placement Course is designed to provide students with a final comprehensive and enriching internship experience that will enhance their practical skills and employability through hands-on experience and exposure to real-world work environments. Throughout the course, students will get support from FIC of Internship and course's teaching assistant, who will monitor the progress, make necessary adjustments to guide/help the students to optimize the outcomes of the internship. The Industry Placement includes internship and training components, which are conducted by the industry and faculty supervisors. The experience and skills acquired in this program would empower the student's competitiveness and visibility in the job market.

**3.6.5 Graduation courses**

**GENB4900: Graduation Dissertation**

**6 Credits**

*Prerequisite: MANA4150 and GENB4870 / GENB1870*

In the graduation thesis course, the student demonstrates the research competencies. The research topic is relevant to the concurrent issues in the business world. The student will work individually under the supervision of Thesis Advisors to derive a research proposal, structure, and implementation. After submission of the thesis, the student will need to prepare for the Thesis Defense designed to offer the student a chance to discuss his/her work with a panel of experts.

**GENB4970: Capstone Project**

**6 Credits**

***Prerequisite:*** MANA4150 and GENB4870 / GENB1870

The Capstone project gives students opportunities to apply knowledge acquired during the program to a practical project in a realistic setting. The Capstone Project has three pathway options for students to follow: Capstone (Pathway 1); Capstone with Industrial Placement (Pathway 2); Leader@20 Program (Pathway 3). During the project, students engage in the entire process of real-world problem identification, problem-solving, and presentation of solutions or recommendations to a committee of academic and industrial examiners. Students can choose to work individually or in groups 02 to 05 in the same host company, under the supervision of one academic faculty (Capstone Advisor) and one Industry Supervisor who directs, monitors, and evaluates the entire Capstone projects and outcomes of the student. Note for Leaders@20 students: All students in Leaders@20 program must enroll in this course for credit recognition. A Capstone Advisor will be assigned to supervise the Challenge 3 in the Leaders@20 program. Challenge 3 is equivalent to Capstone Project and all the required assessment items must be submitted. The design of Challenge 3 follows the most updated curriculum of the Leaders@20 program.