

Core Courses (14 courses)

- Accounting I
- Accounting II
- Financial Management
- Business Law
- Business Operations & Process
- Digital Accounting & Analytics with Microsoft Tools
- Marketing
- Management Principles, Skills & Competencies
- Organisational Behaviour and Design
- Principles of Economics
- Statistics & Analysis
- Strategic Management
- Career Launchpad
- Communication Management Fundamentals

Interdisciplinary Collaborative Core (Common Core)

- Healthy Living and Mental Wellbeing
- Sustainability: Society, Economy & Environment
- Science and Technology for Humanity
- Career Design & Workplace Readiness in the V.U.C.A World
- Ethics & Civics in a Multi-Cultural World
- Inquiry and Communication in the Interdisciplinary World

Interdisciplinary Collaborative Core (Professional Series)

- Career Future Forward
- Career Astuteness
- Decision Making with Programming & Analytics
- Professional Attachment
- Communication Management Strategies

Care, Serve and Learn (CSL)

Broadening and Deepening Electives (4 Courses)

Specialisation (Accountancy Courses - 9 courses)

1. Accounting Recognition & Measurement
2. Assurance & Auditing
3. Accounting for Decision-making & Control
4. Principles of Taxation
5. Company Law & Corporate Governance
6. Accounting Information Systems
7. Risk Reporting & Analysis
8. Accounting Analysis & Valuation
9. Enterprise Risk Management and Sustainability

Specialisation (Business Specialisation Courses - 3 to 6 courses)

Actuarial Data Science

Specialisation Core Courses

1. Intermediate Economics
2. Financial Mathematics
3. Principles of Probabilities and Statistics
4. Quantitative Risk Management and Statistical Learning

Specialisation Prescribed Electives

Choose three electives:

1. Actuarial Modelling I
2. Actuarial Modelling II
3. Actuarial Computing
4. Asset and Liability Valuations
5. Numerical Methods for Financial Engineering
6. Advanced Programming for Quantitative methods
7. Financial Risk Management (cross-listed course from Risk Analytics specialisation)
8. Corporate Finance and Strategy (cross-listed course from Finance specialisation)

Students interested in the Actuarial Data Science (ADS) specialisation are strongly encouraged to read Applied Business Mathematics as a Broadening & Deepening Elective (BDE) in Year 1 or Year 2 to build a strong mathematical foundation needed for core actuarial and data analytics module.

Note: Track courses are not mandatory.

Actuarial Science Track	Quantitative Finance Track
This track prepares students to become qualified actuaries. It covers all IFoA Part I up to 6 subjects. Students who are interested to get full exemptions need to fulfil ALL the four modules.	This track prepares students to enter quant jobs. It also prepares students to qualify for a fast-track in the MSc in Financial Engineering (MFE) programme offered by NBS.
<ul style="list-style-type: none"> • Actuarial Modelling I • Actuarial Modelling II • Actuarial Computing • Asset and Liability Valuations 	<ul style="list-style-type: none"> • Actuarial Computing • Asset and Liability Valuations • Numerical Methods for Financial Engineering • Advanced Programming for Quantitative methods • Corporate Finance and Strategy

Business Analytics

Specialisation Core Courses

1. Designing & Developing Databases
2. Analytics I: Visual & Predictive Techniques
3. Analytics II: Advanced Predictive Techniques

Specialisation Prescribed Electives

Choose four electives:

1. Supply Chain Analytics
2. Financial Service Processes & Analytics
3. Lean Operations & Analytics
4. Business Analytics Consulting
5. Programming for Business Transformation
6. AI in Accounting & Finance
7. Service Operations Management
8. Prescriptive Analytics with Generative AI

Finance

Specialisation Core Courses

1. Ethics in the Investment Profession
2. Investments

Specialisation Prescribed Electives

Choose six electives:

1. Wealth Management
2. Derivative Securities and Hedging Strategies
3. Introduction to Compliance
4. FinTech in Investment Management
5. Relationship Management
6. Sustainable Finance
7. Global Financial Markets & Institutions
8. Modern Banking
9. Corporate Finance and Strategy
10. Fixed Income Securities
11. Equity Valuation
12. Financial Modelling
13. Alternative Investments
14. Portfolio Management and Analysis
15. Impact Investing
16. Carbon Markets and Pricing Fundamentals
17. Machine Learning in Finance
18. Digital Assets in Finance
19. Blockchain and AI in Finance
20. Equity Investing with Big Data
21. Ethics and Regulations for Digital Finance
22. Applied Research Project: Financial Application Design and Development
23. Financial Risk Management (cross-listed course from Risk Analytics specialisation)
24. Climate Risk Analytics (cross-listed course from Risk Analytics specialisation)
25. Sustainability Reporting (cross-listed course Accounting)

Note: If students would like to take finance electives that belong to a certain theme, recommended five tracks below which feature the themes respectively, Wealth Management, Asset Management, Investment Banking, FinTech, and Sustainable Finance. Taking courses according to such themes is optional.

Course Name	Wealth Management	Asset Management	Investment Banking	FinTech	Sustainable Finance
Finance Offerings					
Corporate Finance & Strategy			X		
Equity Valuation		X	X		
Sustainable Finance	X	X	X		X
Alternative Investments	X	X	X		
Global Financial Markets & Institutions	X	X	X		
Wealth Management	X				
Carbon Markets & Pricing Fundamentals					X
Derivative Securities & Hedging Strategies	X	X			
Fixed Income Securities		X	X		

Introduction to Compliance	X			X	X
Relationship Management	X				
Impact Investing	X				X
Portfolio Management & Analysis		X			X
Modern Banking	X		X		
Tech-related Finance Offerings					
FinTech in Investment Management				X	
Financial Modelling		X	X	X	
Blockchain & AI in Finance				X	
Equity Investing with Big Data		X		X	X
Machine Learning in Finance		X		X	
Digital Assets in Finance		X		X	
Ethics and Regulations for Digital Finance	X			X	
Applied Research Project: Financial Application Design and Development				X	
Cross-listed Offerings					
Financial Risk Management (RA)	X	X			
Climate Risk Analytics (RA)				X	X
Sustainability Reporting (ACC)					X
Remarks	You should aim to pass the CMFAS exams or CACS exams by IBF before graduation.	You should aim to pass CFA Level 1 upon graduation.	You should aim to pass CFA Level 1 upon graduation.		

Human Resource Consulting

Specialisation Core Courses

1. Strategic HR Management & Consulting

Specialisation Prescribed Electives

Choose six electives:

1. Total Rewards Management
2. Talent Sourcing & Acquisition
3. Managing & Consulting through Research
4. Employment Law
5. Talent Development & Management
6. HR Analytics
7. Cultural Intelligence: How to be an Explorer of the World
8. Driving Strategic Change in the Digital Age
9. Generative AI for HR

International Trading

Specialisation Core Courses

1. Trade Incoterms & Ship Chartering
2. Commodity Markets
3. Trade, Structured & Supply Chain Finance

Specialisation Prescribed Electives

Choose four electives:

1. International Tax & Trading Law
2. Strategic Management in Commodity Market
3. Software and Coding Skills in Commodity Markets*
4. Commodities Trading and Risk Management
5. Sustainability in Commodities
6. Digital Applications in the Life Cycle of a Commodity Trade*
7. Developing a Digital Application for the Commodity Market*
8. Carbon Markets and Pricing Fundamentals (cross-listed course from Finance specialisation)

*Digital Application Track: Students who completed these 3 courses will be awarded a letter of completion in the digital application track. This letter will be issued by CEIT.

Marketing

Specialisation Core Courses

1. Consumer Insights
2. Digital Marketing
3. Marketing Analytics
4. Strategic Brand Management

Specialisation Prescribed Electives

Choose three electives:

1. Market Intelligence: AI and Data Driven Insights
2. Integrated Marketing Communications
3. Channel Value Creation
4. Modern and Emerging Technologies in Marketing
5. Marketing Sustainability for the Next Generation
6. Tech-Powered Marketing Strategies for FMCG Brands
7. Luxury Marketing
8. Marketing Health
9. Marketing Strategy
10. Consumer Neuroscience
11. Real-World Marketing Masterclass Series: Learn from Industry Experts
12. Designing and Executing Campaigns for Social Impact

Risk Analytics

Specialisation Core Courses

1. Quantitative Analysis
2. Foundations of Risk Management
3. Financial & Risk Analytics I
4. Financial Risk Management

Specialisation Prescribed Electives

Choose three electives:

1. Financial & Risk Analytics II
2. Valuation and Risk Models
3. AI Risk Management
4. Enterprise Risk Management
5. Climate Risk Analytics
6. Global Financial Markets and Institutions (cross-listed course from Finance specialisation)
7. Corporate Finance and Strategy (cross-listed course from Finance specialisation)