

Financial Business Informatics



“With dual skills in IT banking processes and a keen knowledge of key financial systems, students from this course will be able to support investment operations as well as contribute as business analysts skilled in the banking domain. The training these students receive in Thomson Reuters products, enables them to help customers become more efficient and equips them to lead in the evolution of the global financial market.”

Mr Alfred Lee
Managing Director, Asia Pacific
Refinitiv

Banks all over the world are leveraging on Information Technology to enable digital payments, e-banking transactions and many other services. People in the financial services industry are also leveraging blockchains to record transactions and exploring the use of cryptocurrencies. With the significant changes happening in the local and global banking and financial services industry, there is a strong demand for professionals with competent information technology skills and a sound understanding of financial business processes. Such techno-strategists, with their dual skills, are sought-after because they can introduce new and innovative ways of conducting business.

In this course, you will learn how banks and financial institutions are structured to operate in the global financial markets. You will also obtain a good understanding of processes such as e-banking through the training you receive in business processes, systems and IT management. Your knowledge of IT and financial services will give you a distinct advantage in seeking employment in financial organisations or help you establish a financial technology (FinTech) startup venture.

In your first year of studies, you will acquire strong foundation IT skills in areas such as software development, networking and data analytics. In your second year, you build sound industry-relevant competencies in financial technologies. In your final year, you will get hands-on experience through internship attachments to banks, financial institutions and fintech startups.

Upon graduating, you can pursue further studies through the Earn & Learn Programme which enables you to work and deepen your skills, or you can undertake a degree course.

Career Opportunities

With unique dual skills in finance and IT, you are well-positioned for careers in financial institutions, and business/IT consulting firms. You can look forward to jobs such as financial systems consultants, IT/business analysts or financial products settlements specialists. You could also look forward to joining the exciting financial technology (fintech) industry or developing your own start-up company.

Graduation Requirements

Cumulative Grade Point Average : min 1.0

TP Fundamentals Subjects : 40 credit units

Diploma Subjects

Core Subjects : 72 credit units

Elective Subjects : min 8 credit units

Total Credit Units Completed : min 120 credit units

Application

Apply during the Joint Admissions Exercise following the release of the GCE O Level results. For other categories of local applicants, please refer to the section on “Admission and Requirements”. For international students, please refer to the section on “Information for International Students”.

Entry Requirements for Singapore-Cambridge GCE O Level Qualification Holders

To be eligible for consideration for admission, applicants must obtain 26 points or better for the net ELR2B2 aggregate score (i.e. English Language, 2 relevant subjects and best 2 other subjects, including CCA Bonus Points) and meet the minimum entry requirements of this course. CCA cannot be used to meet the minimum entry requirements.

For details on GCE O Level Minimum Entry Requirements, refer to page 214.

Note: Applicants with complete colour vision deficiency are not eligible to apply for this course.

Course Structure

TP FUNDAMENTALS (TPFun) SUBJECTS				
SUBJECT CODE	SUBJECT	LEVEL	CREDIT UNITS	
CCS1006	Communication & Information Literacy	1	2	
CCS1007	Workplace Communication	1	2	
CCS1008	Persuasive Communication	1	2	
CGS1002	Global Studies	1	3	
CGS1003	Managing Diversity at Work*	1	3	
CGS1004	Global Citizenship & Community Development*	1	3	
CGS1005	Expressions of Culture*	1	3	
CIN1001	Innovation & Entrepreneurship	1	2	
GCC1001	Current Issues & Critical Thinking	1	2	
LEA1011	Leadership: Essential Attributes & Practice 1	1	1	
LEA1012	Leadership: Essential Attributes & Practice 2	1	1	
LEA1013	Leadership: Essential Attributes & Practice 3	1	1	
LSW1002	Sports & Wellness	1	2	
MCR1001	Career Readiness 1	1	1	
MCR1002	Career Readiness 2	1	1	
MCR1003	Career Readiness 3	1	1	
TGL1001	Guided Learning	1	3	
CSI3004	Student Internship Programme	3	16	

* Students must choose one of these three subjects or TGL1001 Guided Learning.

DIPLOMA SUBJECTS – CORE SUBJECTS

SUBJECT CODE	SUBJECT	LEVEL	CREDIT UNITS
BAF1007	Basic Business Finance	1	4
CCF1C02	IT Systems Security Essentials	1	4
CIA1C06	Database Application Development	1	4
CIA1C07	Logic & Mathematics	1	3
CIA1C10	Data Analytics	1	4
CIT1C14	Data Structures & Algorithms	1	4
CIT1C18	Computational Thinking	1	4
CIT1C19	User Experience & Interface Design	1	3
CIT1C20	Coding & Development Project	1	4
CMC1C08	Network Technology	1	4
CFI2C11	Banking Processes & Automation	2	3
CFI2C12	FinTech Innovations	2	4
CFI2C13	Open Banking App Development	2	4
CIT2C18	Mobile App Development	2	4
CFI3C01	Risk & Governance	3	4
CFI3C04	Wealth & Portfolio Management	3	4
CMP3801	Major Project	3	10

DIPLOMA SUBJECTS – ELECTIVE CLUSTERS

SUBJECT CODE	SUBJECT	LEVEL	CREDIT UNITS
<u>Digital Payment</u>			
CFI2E06	Digital Payment & Lending	2	4
CFI2E07	Distributed Ledgers & Blockchain	2	4
<u>Business Analytics</u>			
CDA2C02	Data Mining & Business Analytics	2	4
CIA2C13	Data Visualisation	2	4