

# Bachelor of Business Administration (Honours) - Finance and Bachelor of Science (Honours) in Innovative Design and Artificial Intelligence (Self-financed double degree programme)

## Programme Structure for 2027-28 Intake (4-year curriculum)

The following description specifies the programme curriculum for students who pursue the programme on a full-time **four-year basis**. Flexibility is allowed for completing the programme within a longer period in accordance with the stipulations in the Regulations Governing Undergraduate Studies.

|                    |                                                                | Number of Credits |                 |        | Total |
|--------------------|----------------------------------------------------------------|-------------------|-----------------|--------|-------|
|                    |                                                                | 1 <sup>st</sup>   | 2 <sup>nd</sup> | Summer |       |
|                    |                                                                | Term              | Term            | Term   |       |
| <b>FIRST YEAR</b>  |                                                                |                   |                 |        |       |
| CCC8011            | Critical Thinking: Analysis and Argumentation (R) <sup>@</sup> | 3                 |                 |        | 3     |
| CCC8012            | The Making of Hong Kong (R) <sup>@</sup>                       | 3                 |                 |        | 3     |
| CCC8015            | Generative Artificial Intelligence (R) <sup>@</sup>            |                   | 3               |        | 3     |
| LCC1010            | Chinese Communication I (R)                                    | 3                 |                 |        | 3     |
| LUE1001            | University English I (R) <sup>#</sup>                          | 3                 |                 |        | 3     |
| LUE1002            | University English II (R) <sup>#</sup>                         |                   | 3               |        | 3     |
| BUS1102/           | Statistics for Business <u>or</u>                              |                   | 3               |        | 3     |
| CDS1003            | Probability and Statistics 1                                   |                   |                 |        |       |
| CDS1002            | Calculus (R)                                                   |                   | 3               |        | 3     |
|                    | 3 BBA and CDS Foundation Core Courses~                         | 6                 | 3               |        | 9     |
|                    | 1 IDAI Major Course~                                           |                   | 3               |        | 3     |
|                    | 1 ELE Elective <sup>##</sup> for Group B students              |                   |                 |        |       |
|                    |                                                                |                   |                 |        | 36    |
| <b>SECOND YEAR</b> |                                                                |                   |                 |        |       |
| CCC8013            | The Process of Science (R) <sup>@</sup>                        | 3                 |                 |        | 3     |
| CCC8014            | China in World History (R) <sup>@</sup>                        |                   | 3               |        | 3     |
| LCC2010            | Chinese Communication II (R)                                   | 3                 |                 |        | 3     |
|                    | 4 BBA and CDS Foundation Core Courses~                         | 9                 | 3               |        | 12    |
|                    | 3 BBA and CDS Functional Core Course~                          | 3                 | 6               |        | 9     |
|                    | ELE Elective <sup>##</sup> (1 course)                          |                   | 3               |        | 3     |
|                    | ^ 3 Cluster Courses                                            |                   | 3               | 6      | 9     |
|                    |                                                                |                   |                 |        | 42    |

(R) denotes required course(s).

@ Students are assigned to take CCC8011, CCC8012 and CCC8015 in the first year, and CCC8013 and CCC8014 in the second year.

# Under the revamped English Language Enhancement (ELE) programme, students will be grouped under two streams. Group A students are those who obtained level 3 in HKDSE English or equivalent while Group B students are those who obtained level 4 or above in HKDSE English or equivalent. Students are encouraged to take their first required ELE course, viz. LUE1001 for Group A and LUE1002 for Group B, in First Term of Year 1. However, they are given the flexibility to take the respective courses in Second Term of Year 1. For Group A students who take LUE1001 in Second Term of Year 1, they should take LUE1002 in First Term of Year 2. For details, please refer to <https://www.ln.edu.hk/reg/undergraduate-programmes/english-language-enhancement-ele-curriculum>.

~ For details of the study pattern of Foundation Core, Functional Core, and Major courses, please consult your Academic Advisors.

## Group A students have to take 1 ELE elective while Group B students have to take 2 ELE electives. ELE electives could be taken from the term in which LUE1002 is taken. For more details, please click <https://www.ln.edu.hk/reg/undergraduate-programmes/english-language-enhancement-ele-curriculum>.

^ Students are required to complete 4 Cluster courses in total. For details, please see the Core Curriculum Section.

|                    |                                                                  | Number of Credits |                 |        | Total |
|--------------------|------------------------------------------------------------------|-------------------|-----------------|--------|-------|
|                    |                                                                  | 1 <sup>st</sup>   | 2 <sup>nd</sup> | Summer |       |
|                    |                                                                  | Term              | Term            | Term   |       |
| <b>THIRD YEAR</b>  |                                                                  |                   |                 |        |       |
|                    | 5 BBA and CDS Functional Core Courses~                           | 9                 | 6               |        | 15    |
|                    | 7 FIN and IDAI Major Courses~                                    | 9                 | 12              |        | 21    |
|                    | Free Elective (1 Course)                                         |                   |                 | 3      | 3     |
|                    |                                                                  |                   |                 |        | 39    |
| <b>FOURTH YEAR</b> |                                                                  |                   |                 |        |       |
| FIN2202            | Introduction to Financial Technology (R)                         | 3                 |                 |        | 3     |
| LUE4002            | Professional Communication in English for Business (R)           | 3                 |                 |        | 3     |
| CDS4107            | Capstone Project 1 - AI Enabled Innovation and Design (R)        | 3                 |                 |        | 3     |
| FIN4001            | Capstone Project 2 - Financial Innovation and Implementation (R) | 3                 |                 |        | 3     |
|                    | 6 FIN and IDAI Major Courses~                                    | 6                 | 12              |        | 18    |
|                    | ^ 1 Cluster Course                                               | 3                 |                 |        | 3     |
|                    |                                                                  |                   |                 |        | 33    |

Minimum credits for Honours Double Degrees: 150

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(R) denotes required course(s).

~ For details of the study pattern of Foundation Core, Functional Core, and Major courses, please consult your Academic Advisors.

^ Students are required to complete 4 Cluster courses in total. For details, please see the Core Curriculum Section.

## REQUIREMENTS IN MAJOR DISCIPLINES

BBA- FIN major courses cannot be taken until at least 5 BBA Foundation Core courses have been completed or permission has been granted by the Programme Director. It is highly recommended that BBA Functional Core courses are not taken until at least 3 BBA Foundation Core courses have been completed.

### **BBA Foundation Core (Total 15 credits)**

|         |                                 |
|---------|---------------------------------|
| BUS1103 | Financial Accounting (R)        |
| BUS1104 | Managerial Accounting (R)       |
| BUS2105 | Microeconomics for Business (R) |
| BUS2107 | Legal Aspects of Business (R)   |
| BUS2108 | Global Business Environment (R) |

### **CDS Foundation Core (Total 6 credits)**

|         |                                                  |
|---------|--------------------------------------------------|
| CDS1001 | Introduction to Programming for Data Science (R) |
| CDS1004 | Mathematical Fundamentals for Data Science (R)   |

### **BBA Functional Core (Total 15 credits)**

|         |                                    |
|---------|------------------------------------|
| BUS2201 | Financial Management (R)           |
| BUS2202 | Organisational Behaviour (R)       |
| BUS2205 | Marketing Management (R)           |
| BUS2206 | Information Systems Management (R) |
| BUS2211 | Operations Management (R)          |

### **CDS Functional Core (Total 9 credits)**

|         |                                                     |
|---------|-----------------------------------------------------|
| CDS2003 | Data Structures and Object-oriented Programming (R) |
| CDS2005 | Operating System for Data Science (R)               |
| CDS3001 | Databases and Data Warehouses (R)                   |

### **Double Degree Required Courses (Total 15 credits)**

|         |                                                                        |
|---------|------------------------------------------------------------------------|
| BUS1102 | Statistics for Business <u>or</u> CDS1003 Probability and Statistics 1 |
| CDS1002 | Calculus (R)                                                           |
| FIN2202 | Introduction to Financial Technology (R)                               |
| CDS4107 | Capstone Project 1 - AI Enabled Innovation and Design (R)              |
| FIN4001 | Capstone Project 2 -Financial Innovation and Implementation (R)        |

(R) denotes required course(s).

**Major Required and Elective Courses (Total 42 credits)****FIN Major Required Course (9 credits)**

|         |                                              |
|---------|----------------------------------------------|
| FIN2200 | Corporate Finance (R)                        |
| FIN2201 | Hong Kong Monetary and Financial Systems (R) |
| FIN2300 | Investment and Portfolio Management (R)      |

**IDAI Major Required Course (24 credits)**

|         |                                                       |
|---------|-------------------------------------------------------|
| CDS1101 | Innovative Design Fundamentals (R)                    |
| CDS2101 | C++ Programming (R)                                   |
| CDS2103 | Machine Learning for Innovative Design (R)            |
| CDS3103 | GPU and Parallel Computing (R)                        |
| CDS3104 | Visualization (R)                                     |
| CDS3105 | Human Computer Interaction (R)                        |
| CDS4101 | Blockchain Technology (R)                             |
| CDS4102 | Systems Integration, Verification, and Validation (R) |

**FIN Major Elective Courses (3 credits to be taken)**

|         |                                              |
|---------|----------------------------------------------|
| FIN2250 | Introduction to Financial Econometrics       |
| FIN3352 | International Financial Management           |
| FIN3353 | Management of Financial Institutions         |
| FIN3355 | Derivative Securities and Hedging Strategies |
| FIN3356 | Fixed Income Securities                      |
| FIN3357 | Real Portfolio Management                    |
| FIN4399 | Selected Topics in Finance                   |

**IDAI Major Elective Courses (6 credits to be taken)**

|         |                    |
|---------|--------------------|
| CDS2104 | Internet of Things |
| CDS3106 | Cloud Computing    |
| CDS3108 | Algorithms         |
| CDS4006 | Deep Learning      |
| CDS4008 | Optimization       |

**Free Electives (Total 3 credits)**

Students may select courses in any disciplines to obtain the total number of credits required for graduation, subject to timetable, course load and study scheme constraints.

(R) denotes required course(s).