

## For students admitted from academic year 2022/2023 (B-C2-XXXX-X students)

Updated on 11/08/2025

### Major in Bachelor of Science in Finance- FNC20

Students are strongly advised to check the enrolment records each semester in order to secure the graduation requirement has been fulfilled. You may print out this study plan and cross-check with your enrolment records. Should you have any doubts on the below study plan, please approach the FBA General Office for confirmation.

Subject to the actual courses offered, FBA and Department reserve the right to make adjustments

\* Course Type  
 CM : Compulsory/Major Course  
 GE : General Education Course  
 RE : Required Elective  
 FE : Free Elective

### E1 A Plan

#### First Year - UF1

|  | Course Code                               | Course Title                                      | Credit Units | * Course Type | 1st Sem | 2nd Sem |
|--|-------------------------------------------|---------------------------------------------------|--------------|---------------|---------|---------|
|  | BECO1000                                  | Principles of Microeconomics                      | 3            | CM            | X       |         |
|  | CPED1000                                  | Residential College Experiential Learning         | 1            | CM            | X       | X       |
|  | CPED1001                                  | Physical Education I                              | 0.5          | CM            | X       |         |
|  | 1 "Chinese or Portuguese Language" Course |                                                   |              |               |         |         |
|  | CHLL1000                                  | University Chinese                                | 3            | CM / FE       | X       |         |
|  | PORT1000                                  | Portuguese Language I – Introductory Portuguese   |              |               |         |         |
|  | 1 Free Elective                           |                                                   |              |               |         |         |
|  | 2 "English Language" Courses              |                                                   |              |               |         |         |
|  | EELC1011                                  | University English I                              | 3            | CM            | X       |         |
|  | EELC1008                                  | Grammar and Writing Improvement I                 | 3            |               |         |         |
|  | 1 General Education Course (GELH1000)     |                                                   | 3            | GE            | X       |         |
|  | 1 "Information Technology" Course         |                                                   |              |               |         |         |
|  | CISC1000                                  | Information Technology Fundamentals and Practices | 3            | CM            |         | X       |
|  | CPED1002                                  | Physical Education II                             | 0.5          | CM            |         | X       |
|  | 1 "English Language" Course               |                                                   |              |               |         |         |
|  | EELC1012                                  | University English II                             | 3            | CM            |         | X       |
|  | GEST1001                                  | Quantitative Reasoning for Business               | 3            | GE            |         | X       |
|  | ACCT1000                                  | Principles of Financial Accounting                | 3            | CM            |         | X       |
|  | MGMT1000                                  | Principles of Business Management                 | 3            | CM            |         | X       |
|  |                                           |                                                   | 32           |               |         |         |

CPED1000 is a yearly course.

Students can test out of the Chinese and/or Portuguese language course(s) if they obtain certain qualifications and should enroll course as follows:

- a) Test out **EITHER** Chinese Language Course **OR** Portuguese Language Course : One 3-credit free elective in the first semester of first year of study  
 b) Test out **NEITHER** Chinese Language Course **NOR** Portuguese Language Course : CHLL1000 **OR** PORT1000 in the first semester of first year of study

Test out information: [https://reg.um.edu.mo/current-students/ug-model/lang\\_skills/](https://reg.um.edu.mo/current-students/ug-model/lang_skills/)

\*\*\*Students can test out of some or all of the 3 English language courses and are required to take English courses according to assigned level, one course in each semester from the first semester of first year of study to the first semester of second year of study.

- a) Placement level "E1a": EELC1011 + Tutorial class + EELC1008 in 1st semester, EELC1012 + Tutorial class in 2nd semester, and EELC1013 in Year two.  
 b) Placement level "E1b": EELC1011 + Tutorial class in 1st semester, EELC1012 + Tutorial class in 2nd semester, and EELC1013 in Year two.

Test out information: <https://reg.um.edu.mo/current-students/curriculum-model/ug-curriculum-model/languages-and-skills/>

Students are required to take GE courses as follows in order to graduate:

| General Education Area    | Course Requirement (Two Courses from Each Area)                                                                                     |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| Global Awareness          | GEGA1000 – Macao and Chinese Civilization ( <i>compulsory</i> )<br>1 course from the list other than GEGA1000                       |
| Literature and Humanities | GELH1000 – Chinese Language and Culture ( <i>compulsory</i> )<br>1 course from the list other than GELH1000                         |
| Science and Technology    | GEST1001 – Quantitative Reasoning for Business ( <i>compulsory</i> )<br>1 course from the list other than GEST1001                  |
| Society and Behaviour     | GESB1000 – Ethics, Values, Law and Society ( <i>compulsory</i> )<br>1 course from the list other than GESB1000 (GESB1001/1002/1003) |

#### Second Year - UF2

| Course Code                        | Course Title                               | Credit Units | * Course Type | 1st Sem | 2nd Sem |
|------------------------------------|--------------------------------------------|--------------|---------------|---------|---------|
| <b>1 "English Language" Course</b> |                                            |              |               |         |         |
| EELC1013                           | University English III                     | 3            | CM            | X       |         |
| BECO1001                           | Principles of Macroeconomics               | 3            | CM            | X       |         |
| FINC2003                           | Corporate Finance                          | 3            | CM            | X       |         |
| ISOM2002                           | Statistics and Data Analysis               | 3            | CM            | X       |         |
| ISOM2005                           | Linear Algebra                             | 3            | CM            | X       |         |
| 1 General Education Course         |                                            | 3            | GE            | X       |         |
| CPED2001                           | Residential College Community Team Project | 1            | CM            |         | X       |
| BECO2000                           | Intermediate Economics                     | 3            | CM            |         | X       |
| ISOM1004                           | Applied Calculus                           | 3            | CM            |         | X       |
| FINC3004                           | Portfolio Management                       | 3            | CM            |         | X       |
| MGMT2000                           | Business Communications                    | 3            | CM            |         | X       |
| MKTG2000                           | Principles of Marketing                    | 3            | CM            |         | X       |
|                                    |                                            | <b>34</b>    |               |         |         |

\* If student place in E1 a plan, they must take EELC1008 (FE course) in Year one, so those students will take one GE courses in year 4 instead one FE.

### E1 B Plan

#### First Year - UF1

|  | Course Code                               | Course Title                                      | Credit Units | * Course Type | 1st Sem | 2nd Sem |
|--|-------------------------------------------|---------------------------------------------------|--------------|---------------|---------|---------|
|  | BECO1000                                  | Principles of Microeconomics                      | 3            | CM            | X       |         |
|  | CPED1000                                  | Residential College Experiential Learning         | 1            | CM            | X       | X       |
|  | CPED1001                                  | Physical Education I                              | 0.5          | CM            | X       |         |
|  | 1 "Chinese or Portuguese Language" Course |                                                   |              |               |         |         |
|  | CHLL1000                                  | University Chinese                                | 3            | CM / FE       | X       |         |
|  | PORT1000                                  | Portuguese Language I – Introductory Portuguese   |              |               |         |         |
|  | 1 Free Elective                           |                                                   |              |               |         |         |
|  | 1 "English Language" Course               |                                                   |              |               |         |         |
|  | EELC1011                                  | University English I                              | 3            | CM            | X       |         |
|  | 1 General Education Course (GELH1000)     |                                                   | 3            | GE            | X       |         |
|  | GEST1001                                  | Quantitative Reasoning for Business               | 3            | GE            | X       |         |
|  | 1 "Information Technology" Course         |                                                   |              |               |         |         |
|  | CISC1000                                  | Information Technology Fundamentals and Practices | 3            | CM            |         | X       |
|  | CPED1002                                  | Physical Education II                             | 0.5          | CM            |         | X       |
|  | 1 "English Language" Courses              |                                                   |              |               |         |         |
|  | EELC1012                                  | University English II                             | 3            | CM            |         | X       |
|  | ACCT1000                                  | Principles of Financial Accounting                | 3            | CM            | X       | X       |
|  | ISOM1004                                  | Applied Calculus                                  | 3            | CM            |         | X       |
|  | MGMT1000                                  | Principles of Business Management                 | 3            | CM            |         | X       |
|  |                                           |                                                   | 32           |               |         |         |

CPED1000 is a yearly course.

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 b) Placement level "E1b": EELC1011 + Tutorial class in 1st semester, EELC1012 + Tutorial class in 2nd semester, and EELC1013 in Year two.

Test out information: <https://reg.um.edu.mo/current-students/curriculum-model/ug-curriculum-model/languages-and-skills/>

Students are required to take GE courses as follows in order to graduate:

| General Education Area    | Course Requirement (Two Courses from Each Area)                                                                                     |
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| Literature and Humanities | GELH1000 – Chinese Language and Culture ( <i>compulsory</i> )<br>1 course from the list other than GELH1000                         |
| Science and Technology    | GEST1001 – Quantitative Reasoning for Business ( <i>compulsory</i> )<br>1 course from the list other than GEST1001                  |
| Society and Behaviour     | GESB1000 – Ethics, Values, Law and Society ( <i>compulsory</i> )<br>1 course from the list other than GESB1000 (GESB1001/1002/1003) |

#### Second Year - UF2

| Course Code                        | Course Title                               | Credit Units | * Course Type | 1st Sem | 2nd Sem |
|------------------------------------|--------------------------------------------|--------------|---------------|---------|---------|
| <b>1 "English Language" Course</b> |                                            |              |               |         |         |
| EELC1013                           | University English III                     | 3            | CM            | X       |         |
| BECO1001                           | Principles of Macroeconomics               | 3            | CM            | X       | X       |
| FINC2003                           | Corporate Finance                          | 3            | CM            | X       | X       |
| ISOM2002                           | Statistics and Data Analysis               | 3            | CM            | X       |         |
| ISOM2005                           | Linear Algebra                             | 3            | CM            | X       |         |
| 1 General Education Course         |                                            | 3            | GE            | X       |         |
| CPED2001                           | Residential College Community Team Project | 1            | CM            |         | X       |
| BECO2000                           | Intermediate Economics                     | 3            | CM            |         | X       |
| FINC3004                           | Portfolio Management                       | 3            | CM            |         | X       |
| MGMT2000                           | Business Communications                    | 3            | CM            |         | X       |
| MKTG2000                           | Principles of Marketing                    | 3            | CM            |         | X       |
| 1 General Education Course         |                                            | 3            | GE            |         | X       |
|                                    |                                            | <b>34</b>    |               |         |         |

**Third Year - UF3**

| Course Code                                                                         | Course Title                               | Credit Units | * Course Type | 1st Sem | 2nd Sem |
|-------------------------------------------------------------------------------------|--------------------------------------------|--------------|---------------|---------|---------|
| BECO2001                                                                            | Econometrics I                             | 3            | CM            | X       |         |
| FINC3000                                                                            | Derivative Securities                      | 3            | CM            | X       |         |
| FINC4008                                                                            | International Finance & Global Issues      | 3            | CM            | X       |         |
| ISOM3029                                                                            | Computer Programming Using C++             | 3            | CM            | X       |         |
| MGMT3003                                                                            | Strategic Management                       | 3            | CM            | X       |         |
| 1 course selected from the table Bachelor of Science in Finance: Required Electives |                                            | 3            | RE            | X       |         |
| FINC3001                                                                            | Financial Statement Analysis and Valuation | 3            | CM            |         | X       |
| 1 course selected from the table Bachelor of Science in Finance: Required Electives |                                            | 3            | RE            |         | X       |
| <b>1 General Education Course</b>                                                   |                                            | 3            | GE            |         | X       |
| <b>1 General Education Course</b>                                                   |                                            | 3            | GE            |         | X       |
| 1 Free Elective                                                                     |                                            | 3            | FE            |         | X       |
| <b>33</b>                                                                           |                                            |              |               |         |         |

**Fourth Year - UF4**

| Course Code                                                                         | Course Title                                                           | Credit Units | * Course Type | 1st Sem | 2nd Sem |
|-------------------------------------------------------------------------------------|------------------------------------------------------------------------|--------------|---------------|---------|---------|
| FINC4009                                                                            | Financial Modeling                                                     | 3            | CM            | X       |         |
| FINC4011                                                                            | Graduation Project on Applied Finance (one-year course with 6 credits) | 6            | CM            | X       | X       |
| 1 course selected from the table Bachelor of Science in Finance: Required Electives |                                                                        | 3            | RE            | X       |         |
| <b>1 General Education Course</b>                                                   |                                                                        | 3            | GE            | X       |         |
| 1 Free Elective                                                                     |                                                                        | 3            | FE            | X       |         |
| 1 course selected from the table Bachelor of Science in Finance: Required Electives |                                                                        | 3            | RE            |         | X       |
| <b>1 General Education Course</b>                                                   |                                                                        | 3            | GE            |         | X       |
| <b>1 General Education Course</b>                                                   |                                                                        | 3            | GE            |         | X       |
| <b>27</b>                                                                           |                                                                        |              |               |         |         |

**Finance Required Elective Courses**

|          |                                        |
|----------|----------------------------------------|
| BECO3006 | Money and Banking                      |
| BECO3011 | Financial Econometrics                 |
| BECO4014 | International Banking                  |
| FINC3002 | Theory of Finance                      |
| FINC3003 | Financial Markets and Institutions     |
| FINC4001 | Case Studies in Corporate Finance      |
| FINC4003 | Risk and Insurance                     |
| FINC4004 | Mergers and Acquisitions               |
| FINC4005 | Fixed Income Securities                |
| FINC4006 | Real Estate Investment and Financing   |
| FINC4007 | Behavioral Finance                     |
| FINC4010 | Bank Management                        |
| FINC4012 | Financial Risk Management              |
| FINC4013 | Advanced Financial Mathematics         |
| FINC4014 | Exotic Options and Structured Products |
| ISOM3033 | Advanced Calculus                      |

**E1a Third Year - Specialized in Financial Engineering**

| Course Code                       | Course Title                          | Credit Units | Course Type | 1st Sem | 2nd Sem |
|-----------------------------------|---------------------------------------|--------------|-------------|---------|---------|
| BECO2001                          | Econometrics I                        | 3            | CM          | X       |         |
| ISOM3029                          | Computer Programming Using C++        | 3            | CM          | X       |         |
| FINC3000                          | Derivative Securities                 | 3            | CM          | X       |         |
| FINC4008                          | International Finance & Global Issues | 3            | CM          | X       |         |
| <b>1 General Education Course</b> |                                       | 3            | GE          | X       |         |
| BECO3011                          | Financial Econometrics                | 3            | CM          |         | X       |
| FINC4005                          | Fixed Income Securities               | 3            | CM          |         | X       |
| MGMT3003                          | Strategic Management                  | 3            | CM          |         | X       |
| ISOM3033                          | Advanced Calculus                     | 3            | CM          |         | X       |
| <b>1 General Education Course</b> |                                       | 3            | GE          |         | X       |
| <b>30</b>                         |                                       |              |             |         |         |

**E1a Fourth Year - Specialized in Financial Engineering**

| Course Code                                                                         | Course Title                                                           | Credit Units | Course Type | 1st Sem | 2nd Sem |
|-------------------------------------------------------------------------------------|------------------------------------------------------------------------|--------------|-------------|---------|---------|
| FINC4011                                                                            | Graduation Project on Applied Finance (one-year course with 6 credits) | 6            | CM          | X       | X       |
| FINC4012                                                                            | Financial Risk Management                                              | 3            | CM          | X       |         |
| FINC4014                                                                            | Exotic Options and Structured Products                                 | 3            | CM          | X       |         |
| 1 course selected from the table Bachelor of Science in Finance: Required Electives |                                                                        | 3            | RE          | X       |         |
| <b>1 General Education Course</b>                                                   |                                                                        | 3            | GE          | X       |         |
| <b>1 General Education Course</b>                                                   |                                                                        | 3            | GE          |         | X       |
| <b>1 General Education Course</b>                                                   |                                                                        | 3            | GE          |         | X       |
| 1 Free Elective Course                                                              |                                                                        | 3            | FE          |         | X       |
| 1 Free Elective Course                                                              |                                                                        | 3            | FE          |         | X       |
| <b>30</b>                                                                           |                                                                        |              |             |         |         |

**Third Year - UF3**

| Course Code                                                                         | Course Title                               | Credit Units | * Course Type | 1st Sem | 2nd Sem |
|-------------------------------------------------------------------------------------|--------------------------------------------|--------------|---------------|---------|---------|
| BECO2001                                                                            | Econometrics I                             | 3            | CM            | X       |         |
| FINC3000                                                                            | Derivative Securities                      | 3            | CM            | X       |         |
| FINC4008                                                                            | International Finance & Global Issues      | 3            | CM            | X       |         |
| ISOM3029                                                                            | Computer Programming Using C++             | 3            | CM            | X       |         |
| MGMT3003                                                                            | Strategic Management                       | 3            | CM            | X       |         |
| 1 course selected from the table Bachelor of Science in Finance: Required Electives |                                            | 3            | RE            | X       |         |
| FINC3001                                                                            | Financial Statement Analysis and Valuation | 3            | CM            |         | X       |
| 1 course selected from the table Bachelor of Science in Finance: Required Electives |                                            | 3            | RE            |         | X       |
| <b>1 General Education Course</b>                                                   |                                            | 3            | GE            |         | X       |
| <b>1 General Education Course</b>                                                   |                                            | 3            | GE            |         | X       |
| 1 Free Elective                                                                     |                                            | 3            | FE            |         | X       |
| <b>33</b>                                                                           |                                            |              |               |         |         |

**Fourth Year - UF4**

| Course Code                                                                         | Course Title                                                           | Credit Units | * Course Type | 1st Sem | 2nd Sem |
|-------------------------------------------------------------------------------------|------------------------------------------------------------------------|--------------|---------------|---------|---------|
| FINC4009                                                                            | Financial Modeling                                                     | 3            | CM            | X       |         |
| FINC4011                                                                            | Graduation Project on Applied Finance (one-year course with 6 credits) | 6            | CM            | X       | X       |
| 1 course selected from the table Bachelor of Science in Finance: Required Electives |                                                                        | 3            | RE            | X       |         |
| <b>1 General Education Course</b>                                                   |                                                                        | 3            | GE            | X       |         |
| 1 Free Elective                                                                     |                                                                        | 3            | FE            | X       |         |
| 1 course selected from the table Bachelor of Science in Finance: Required Electives |                                                                        | 3            | RE            |         | X       |
| <b>1 General Education Course</b>                                                   |                                                                        | 3            | GE            |         | X       |
| 1 Free Elective                                                                     |                                                                        | 3            | FE            |         | X       |
| <b>27</b>                                                                           |                                                                        |              |               |         |         |

**E1b Third Year - Specialized in Financial Engineering**

| Course Code                       | Course Title                          | Credit Units | Course Type | 1st Sem | 2nd Sem |
|-----------------------------------|---------------------------------------|--------------|-------------|---------|---------|
| BECO2001                          | Econometrics I                        | 3            | CM          | X       |         |
| ISOM3029                          | Computer Programming Using C++        | 3            | CM          | X       |         |
| FINC3000                          | Derivative Securities                 | 3            | CM          | X       |         |
| FINC4008                          | International Finance & Global Issues | 3            | CM          | X       |         |
| <b>1 General Education Course</b> |                                       | 3            | GE          | X       |         |
| BECO3011                          | Financial Econometrics                | 3            | CM          |         | X       |
| FINC4005                          | Fixed Income Securities               | 3            | CM          |         | X       |
| MGMT3003                          | Strategic Management                  | 3            | CM          |         | X       |
| ISOM3033                          | Advanced Calculus                     | 3            | CM          |         | X       |
| <b>1 General Education Course</b> |                                       | 3            | GE          |         | X       |
| 1 Free Elective Course            |                                       | 3            | FE          |         | X       |
| <b>33</b>                         |                                       |              |             |         |         |

**E1b Fourth Year - Specialized in Financial Engineering**

| Course Code                                                                         | Course Title                                                           | Credit Units | Course Type | 1st Sem | 2nd Sem |
|-------------------------------------------------------------------------------------|------------------------------------------------------------------------|--------------|-------------|---------|---------|
| FINC4011                                                                            | Graduation Project on Applied Finance (one-year course with 6 credits) | 6            | CM          | X       | X       |
| FINC4012                                                                            | Financial Risk Management                                              | 3            | CM          | X       |         |
| FINC4014                                                                            | Exotic Options and Structured Products                                 | 3            | CM          | X       |         |
| 1 course selected from the table Bachelor of Science in Finance: Required Electives |                                                                        | 3            | RE          | X       |         |
| <b>1 General Education Course</b>                                                   |                                                                        | 3            | GE          | X       |         |
| <b>1 General Education Course</b>                                                   |                                                                        | 3            | GE          |         | X       |
| 1 Free Elective Course                                                              |                                                                        | 3            | FE          |         | X       |
| 1 Free Elective Course                                                              |                                                                        | 3            | FE          |         | X       |
| <b>27</b>                                                                           |                                                                        |              |             |         |         |