

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 Department of Finance and Business Economics.

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

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

| First Year | | | | | | |
|--|--|--------------|-------------|---------|---------|---|
| Course Code | Course Title | Credit Units | Course Type | 1st Sem | 2nd Sem | |
| BECO1000 | Principles of Microeconomics | 3 | CM | X | | |
| CPED1001 | Physical Education I | 0.5 | CM | X | | |
| CISC1000 | Information Technology Fundamentals and Practices | 3 | CM | X | | |
| GEST1001 | Quantitative Reasoning for Business | 3 | GE | X | | |
| 1 "English Language" Course | | | | | | |
| EELC1012 | University English II (6 hours) + Tutorial Class (1 hours) | 3 | CM / FE | X | | |
| EELC1013 | University English III | | | | | |
| 1 Free Elective | | | | | | |
| 1 "Chinese or Portuguese Language" Course | | | | | | |
| CHLL1000 | University Chinese | 3 | CM / FE | X | | |
| PORT1000 | Portuguese Language I – Introductory Portuguese | | | | | |
| 1 Free Elective | | | | | | |
| CPED1000 | Residential College Experiential Learning (Year course) | 1 | CM | X | X | |
| ACCT1000 | Principles of Financial Accounting | 3 | CM | | | X |
| BECO1001 | Principles of Macroeconomics | 3 | CM | | | X |
| ISOM1004 | Applied Calculus | 3 | CM | | | X |
| CPED1002 | Physical Education II | 0.5 | CM | | | X |
| 1 "English Language" Course | | | | | | |
| EELC1013 | University English III | 3 | CM | | | X |
| E4 English elective | Choose one from the following 3 courses: Academic English : Speaking Academic English : Writing Academic English : Project -based Learning | | | | | |
| E5 English elective | Choose one from the following 3 courses: English Speaking for Academic Research English Writing for Academic Research English Intergrated Skills for Academic Researc | | | | | |
| 1 General Education Course | | 3 | GE | | | X |
| MGMT1000 | Principles of Business Management | 3 | CM | | | X |
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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 of **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 of **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/curriculum-model/ug-curriculum-model/languages-and-skills/>

Students can test out of some or all of the English language courses and are required to take English courses according to assigned level, from the first year of study to the second year of study.

- a) Placement level "E1a " : EELC1011 + EELC1008 + EELC1012 + EELC1013
b) Placement level "E1b " : EELC1011 + EELC1012 + EELC1013
c) Placement level "E2" : EELC1012 + EELC1013 + One E4 elective (for Academic English) <in 2nd semester of 2nd year>
d) Placement level "E3" : EELC1013 + One E4 elective (for Academic English) <in 2nd semester of 1st year> + One 3-credit free elective
e) Placement level "E5" : One E5 elective (for English for Specific Academic Purposes) <in 2nd semester of 1st year> + Two 3-credit free electives
f) Placement level "EngCW" : Three 3-credit free electives

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 in a Global Context (<i>compulsory</i>) 1 course from the list other than GEGA1000 |
| Literature and Humanities | GELH1000 – Chinese Language and Culture (<i>compulsory</i>) OR GELH1010 – Chinese Language and Culture (for International Students) (<i>compulsory</i>) 1 course from the list other than GELH1000 and GELH1010 |
| Science and Technology | GEST1001 – Quantitative Reasoning for Business (<i>compulsory</i>) 1 course from the list other than GEST1001 |
| Society and Behaviour | GESB1017 – Law and Society (<i>compulsory</i>) OR GESB1018 – Law and Society (for International Students) (<i>compulsory</i>) 1 course from the list other than GESB1017 and GESB1018 |

| Second Year | | | | | | |
|------------------------------------|---|--------------|-------------|---------|---------|---|
| Course Code | Course Title | Credit Units | Course Type | 1st Sem | 2nd Sem | |
| FINC2003 | Corporate Finance | 3 | CM | X | | |
| ISOM2002 | Statistics and Data Analysis | 3 | CM | X | | |
| ISOM2005 | Linear Algebra | 3 | CM | X | | |
| BECO2000 | Intermediate Economics | 3 | CM | X | | |
| 1 General Education Course | | | | | | |
| 1 "English Language" Course | | | | | | |
| E4 English elective | Choose one from the following 3 courses: Academic English : Speaking Academic English : Writing Academic English : Project -based Learning | 3 | CM / FE | | | X |
| 1 Free Elective | | | | | | |
| CPED2001 | Residential College Community Team Project | 1 | 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 |
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Students can test out of the information technology course if they obtain 80% or above on the Computer Skill Test arranged by the Faculty of Science and Technology (FST).

- a) Did NOT test out information technology course: CISC1000 in the first semester of first year of study

b) Test out information technology course : One 3-credit free elective in the first semester of first year of study

Test out information: http://reg.umac.mo/current-students/1718model/lang_skills/

Third Year

| 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 | |
| MGMT3003 | Strategic Management | 3 | CM | X | |
| ISOM3029 | Computer Programming Using C++ | 3 | CM | X | |
| 1 General Education Course | | 3 | GE | X | |
| FINC3001 | Financial Statement Analysis and Valuation | 3 | CM | | X |
| 1 course selected from the table: Finance Required Elective Courses | | 3 | RE | | X |
| 1 course selected from the table: Finance Required Elective Courses | | 3 | RE | | X |
| 1 General Education Course | | 3 | GE | | X |
| 1 Free Elective | | 3 | FE | | X |
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Fourth Year

| 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: Finance Required Elective Courses | | 3 | RE | X | |
| 1 General Education Course | | 3 | GE | X | |
| 1 Free Elective Course | | 3 | FE | X | |
| 1 course selected from the table: Finance Required Elective Courses | | 3 | RE | | X |
| 1 General Education Course | | 3 | GE | | X |
| 1 Free Elective Course | | 3 | FE | | X |
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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 |

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 | |
| 1 General Education Course | | 3 | GE | X | |
| 1 General Education Course | | 3 | GE | X | |
| FINC4005 | Fixed Income Securities | 3 | CM | | X |
| MGMT3003 | Strategic Management | 3 | CM | | X |
| ISOM3033 | Advanced Calculus | 3 | CM | | X |
| BECO3011 | Financial Econometrics | 3 | CM | | X |
| 1 Free Elective | | 3 | FE | | X |
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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 | |
| 1 course selected from the table: Required Elective Courses for Finance students with Specialized in Financial Engineering | | 3 | RE | X | |
| 1 General Education Course | | 3 | GE | X | |
| 1 Free Elective Course | | 3 | FE | X | |
| FINC4014 | Exotic Options and Structured Products | 3 | CM | | X |
| 1 General Education Course | | 3 | GE | | X |
| 1 Free Elective Course | | 3 | FE | | X |
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Required Elective Courses for Finance students with Specialized in Financial Engineering

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|----------|--------------------------------------|
| BECO3006 | Money and Banking |
| 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 |
| FINC4006 | Real Estate Investment and Financing |
| FINC4007 | Behavioral Finance |
| FINC4010 | Bank Management |
| FINC4013 | Advanced Financial Mathematics |