

For students admitted from academic year 2018/2019 onwards

Bachelor of Science in Finance

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.

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	
MGMT1000	Principles of Business Management	3	CM	X	
GEST1001	Quantitative Reasoning for Business	3	GE	X	
<b>1 "English Language" Course</b>					
EELC1001	Interactive English I	3	CM / FE	X	
EELC1002	Interactive English II				
EELC1003	Academic English				
1 Free Elective					
<b>1 "Chinese or Portuguese Language" Course</b>					
CHLL1000	University Chinese	3	CM / FE	X	
PORT1000	Portuguese Language I – Introductory Portuguese				
1 Free Elective					
CPED1000	Residential College Experiential Learning	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
<b>1 "English Language" Course</b>					
EELC1002	Interactive English II	3	CM / FE		X
EELC1003	Academic English				
1 Free Elective					
GEGA1000	Macao and Chinese Civilization	3	GE		X
1 General Education Course		3	GE		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 **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: [http://reg.umac.mo/current-students/1718model/lang\\_skills/](http://reg.umac.mo/current-students/1718model/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 "IE1": EELC1001 + EELC1002 + EELC1003  
 b) Placement level "IE2": EELC1002 + EELC1003 + One 3-credit free elective  
 c) Placement level "AE": EELC1003 + Two 3-credit free electives  
 d) **None of the above**: Three 3-credit free electives

Test out information: [http://reg.umac.mo/current-students/1718model/lang\\_skills/](http://reg.umac.mo/current-students/1718model/lang_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 ( <b>compulsory</b> ) 1 course from the list other than GEGA1000
Literature and Humanities	GELH1000 - Chinese Language and Culture ( <b>compulsory</b> ) 1 course from the list other than GELH1000
Science and Technology	GEST1001 - Quantitative Reasoning for Business ( <b>compulsory</b> ) 1 course from the list other than GEST1001
Society and Behaviour	GESB1000 - Ethics, Values, Law and Society ( <b>compulsory</b> ) 1 course from the list other than GESB1000 (GESB001/002/003)

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	
<b>1 "English Language" Course</b>					
EELC1003	Academic English*	3	CM / FE	X	
1 Free Elective					
1 General Education Course		3	GE	X	
1 Free Elective Course		3	FE	X	
CPED1003	Communication Skills and Leadership	1	CM		X
BECO2000	Intermediate Economics	3	CM		X
BECO2001	Econometrics I	3	CM		X
FINC3004	Portfolio Management	3	CM		X
MGMT2000	Business Communications	3	CM		X
MKTG2000	Principles of Marketing	3	CM		X
<b>1 "Information Technology" Course</b>					
CISC1000	Information Technology Fundamentals and Practices	3	CM / FE		X
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CPED1003 consists of 2 components: Online Lectures, plus Communication and Leadership Activities.

This course can be studied and completed in any year level, and enrollment record will be shown after course completion.

**Third Year**

Course Code	Course Title	Credit Units	Course Type	1st Sem	2nd Sem
FINC3000	Derivative Securities	3	CM	X	
MGMT3003	Strategic Management	3	CM	X	
ISOM3029	Computer Programming Using C++	3	CM	X	
GELH1000	Chinese Language and Culture	3	GE	X	
1 course selected from the table Bachelor of Science in Finance: Required Electives		3	RE	X	
1 Free Elective Course		3	FE	X	
FINC3001	Financial Statement Analysis and Valuation	3	CM		X
FINC4008	International Finance & Global Issues	3	CM		X
1 course selected from the table Bachelor of Science in Finance: Required Electives		3	RE		X
1 General Education Course		3	GE		X
1 Free Elective Course		3	FE		X
1 Free Elective Course		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	Applied Financial Project (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	
1 General Education Course		3	GE	X	
1 Free Elective Course		3	FE	X	
1 course selected from the table Bachelor of Science in Finance: Required Electives		3	RE		X
1 General Education Course		3	GE		X
1 Free Elective Course		3	FE		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
BECO3011	Financial Econometrics	3	CM	X	
ISOM3029	Computer Programming Using C++	3	CM	X	
FINC3000	Derivative Securities	3	CM	X	
GELH1000	Chinese Language and Culture	3	GE	X	
1 General Education Course		3	GE	X	
1 Free Elective Course		3	FE	X	
FINC4005	Fixed Income Securities	3	CM		X
FINC4008	International Finance & Global Issues	3	CM		X
MGMT3003	Strategic Management	3	CM		X
ISOM3033	Advanced Calculus	3	CM		X
1 Free Elective Course		3	FE		X
1 Free Elective Course		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	Applied Financial Project (one-year course with 6 credits)	6	CM	X	X
FINC4012	Financial Risk Management	3	CM	X	
1 course selected from the table Bachelor of Science in Finance: Required Electives		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
1 Free Elective Course		3	FE		X
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**Financial Engineering Required Elective Courses**

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