

List of the Required Courses of Economics and Finance Department, Ming Chuan
University (applicable to the **2023 (AY 112)** freshman class)

Course	Credits	Hours	1 st year				2 nd year				3 rd year				4 th year				Note		
			Fall		Spring		Fall		Spring		Fall		Spring		Fall		Spring				
			Class	Lab	Class	Lab	Class	Lab	Class	Lab	Class	Lab	Class	Lab	Class	Lab	Class	Lab			
Core Required Courses	Chinese Literature: Appreciation and Creative Writing I	2	2	2																	
	Chinese Literature: Appreciation and Creative Writing II	2	2			2															
	Practical English I	0	2	1	1																
	Practical English II	0	2			1	1														
	Practical English III	0	2					1	1												
	Practical English IV	0	2							1	1										Note 1
	English for Business Communication I	2	3									2	1								
	English for Business Communication II	2	3										2	1							
	Practical English for Professional Purposes I	2	3												2	1					
	Practical English for Professional Purposes II	2	3														2	1			
	Artificial Intelligence	2	3	2	1																Note 1
	Programing Design	2	3			2	1														
	General Education	12	12																		Note 2
	Physical Education I ~ VI	0	12	2		2		2		2		2		2							
Subtotal	28	54																			
Core Required Course in FinTech School	Introduction to Finance and Finance Ethics	2	2	2	0																
	Introduction to FinTech	2	2			2	0														
	Programing Syntax	3	3			3	0														Computer Course
	Introduction to Data Analysis	3	3	3	0																Computer Course
	Subtotal	10	10	5	0	5	0														
Professional Required Courses	Economics I	3	5	3	2																
	Economics II	3	5			3	2														
	Calculus	3	4	3	1																
	Economic Mathematics	3	4						3	1											
	Accounting	3	5	3	2																
	Statistics I	3	4					3	1												
	Statistics II	3	4							3	1										
	Microeconomics I	3	5					3	2												
	Microeconomics II	3	5							3	2										
	Macroeconomics I	3	5					3	2												
	Macroeconomics II	3	5							3	2										
	Financial Management I	2	3					2	1												
	Financial Management II	2	3							2	1										
	Financial Quantitative Data	2	2							2											
	Money and Banking	2	2									2									
	Econometrics I	2	3									2	1								
Econometrics II	2	3											2	1							

		Financial Economics	2	2										2									
		Seminar on Economics I	0	1											0	1							
		Seminar on Economics II	0	1													0	1					
		FinTech Workshop I	2	2										2									
		FinTech Workshop II	2	2											2								
		Business Practicum I															0	1					
		Business Practicum II																	0	1			
		Subtotal		51	75	9	5	3	2	11	6	14	7	8	1	6	2	0	2	0	1		
Sub- fields	Finance	Investment	3	3										3									
		Subtotal	3	3											3								
	Applied Economics	Industrial economics	3	3												3							
		Subtotal	3	3												3							
Elective Courses	Elective By Major	Markets and Institutions (E)	3	3										3							taught in English		
		Financial Institutions Management	3	3												3							
		Analysis of Financial Statements	3	3											3								
		International Corporate Finance	3	3											3								
		E-commerce of Finance	3	3											3								
		Information System of Finance	3	3												3							
		Data Mining and Analysis of Big Data	3	3														3				Computer Course	
		Financial Technology	3	3													3						
		Programming and Designing of Information System for FinTech	3	3											3								Computer Course
		.net Programing Design	3	3											3								Computer Course
		Packages Software in Economics	3	3													3						Computer Course
		Managerial Economics	3	3							3												
		Analysis of FinTech Industry	3	3							3												
		Industrial Economics Analysis	3	3															3				
		Seminar in Regional Economics	3	3															3				
		International Business	3	3															3				
		Seminar in Cross-Strait Economics	3	3													3						
		Market Micro-Structure	3	3											3								
		Foreign Exchange Trading and Its Practice	3	3											3								
		Financial Quantitative Analysis in R	3	3											3								
		Management of Financial Risks	3	3													3						
		Development of Financial Instruments	3	3															3				
Futures and Options	3	3											3										
Financial Laws	3	3													3								
Individual Financial Planning	3	3															3						

		Ethical Economics	3	3						3									
		Seminar in Economic and Financial News	3	3													3		
		Trade Theory and Policy	3	3										3					
		On-line Micro Enterprise	3	3										3					
		Public Finance	3	3								3							
		Analysis of IT Industry	3	3							3								
		Reading in Economic and Financial Materials	3	3										3					
		Game Theory and Its Application	3	3														3	
		Business Data Visualization												3					
		Financial Database	3	3										3					
	Other	Insurance	3	3							3								
		Management	3	3						3									
		Introduction to Civil Code	2	2	2														
		Business Law	2	2					2										
		English for Economics and Trade I	2	2	2														
		English for Economics and Trade II	2	2					2										
		All-out Defense Education Military Training I	0	2	2														
		All-out Defense Education Military Training II	0	2							2								
	Elective	Aid Training 1	0	2	2														
	Courses	Aid Training 2	0	2					2										
		All-out Defense Education Military Training III	0	2						2									
		All-out Defense Education Military Training IV	0	2							2								
		Physical Education (4 th year I)	2	2														2	
		Physical Education (4 th year II)	2	2															2
		Japanese I	2	3						2	1	2	1						
		Japanese II	2	3										2	1	2	1		
Total Required Course Credits	Core Required Course		28																
	Core Required Course in FinTech School		10																
	Required Courses		51																
	Required Courses for Sub-fields	Finance	3																
		Applied Economics	3																
	Elective Courses for Sub-fields	Finance	36																
		Applied Economics	36																
Total Credits		128																	

Notes :

1. In accordance with the university code, undergraduates must pass the evaluation of service-and-learning, English proficiency, IT literacy, Chinese proficiency, fitness requirement, major core competency before graduation.

2. Students must take 12 credit hours from general education courses, which are classified into three categories: arts and literature, social science, and natural science. Each of the three categories is further divided into core and extension levels from which students must take at least 1 course to fulfill graduation requirement.
3. The elective courses of the department covers the fields of Finance and Industrial Economics. Students enrolled in the Applied Economics field are required to take at least 4 courses from the Industrial Economics field and at least 2 from the Finance field. Students enrolled in the Finance field must take at least 2 courses from the Industrial Economics and at least 4 from the Finance field.

Subfields	(1) Industrial Economics	(2) Finance
Elective Courses	Trade Theory and Policy	Analysis of Financial Statements
	Industrial Economics Analysis	Futures and Options
	Managerial Economics	International Corporate Finance
	Game Theory and Its Application	Individual Financial Planning
	Seminar in Regional Economics	Management of Financial Risks
	On-line Micro Enterprise	Markets and Institutions (E)
	Analysis of IT Industry	Financial Institutions Management
	International Business	Development of Financial Instruments
	Seminar in Cross-Strait Economics	E-commerce of Finance
	Packages Software in Economics	Information System of Finance
	Data Mining and Analysis of Big Data	Data Mining and Analysis of Big Data
	Programming and Designing of Information System for FinTech	Seminar in Economic and Financial News
	.net Programing Design	Financial Technology
	Public Finance	Financial Laws
	Business Practicum I	Reading in Economic and Financial Materials
	Business Practicum II	Packages Software in Economics
	Analysis of FinTech Industry	Programming and Designing of Information System for FinTech
	Business Data Visualization	.net Programing Design
	Market Micro-Structure	Financial Database
	Foreign Exchange Trading and Its Practice	Business Practicum I
Financial Quantitative Analysis in R	Business Practicum II	
	Business Data Visualization	
	Market Micro-Structure	
	Foreign Exchange Trading and Its Practice	
	Financial Quantitative Analysis in R	

4. All the credits earned from the interdisciplinary focused course programs, or no more than 20 credits earned from the elective courses offered by the other departments, are accepted; All students are required to take at least 3 elective courses from the two fields.
5. Any credits beyond the 12 from general education and education program is not counted as the graduation credits.
6. A non-synchronized on-line Economics course will be added hereon. There are 6 credits for two semesters.
7. The elective courses listed in the course structure will be applicable to students enrolled in the department before 2023 (AY 112).
8. Upon the approval of the chairman of the department, students that need to retake certain required courses can enroll in the courses offered by the other departments with the same title and credit hours. This code applies to the students enrolling in the department before 2023 (AY 112).
9. Required courses in one of the two subfields can be counted as required course credits in the other fields.