

Notes:

Course	Credits	Hours	1st year				2nd year				3rd year				4th year			
			Fall		Spring		Fall		Spring		Fall		Spring		Fall		Spring	
			class	lab	class	lab	class	lab	class	lab	class	lab	class	lab	class	lab	class	lab
Theory of Interest	3	3					3											
Marketing Survey	3	3					3											
Quality Control(I 、 II)	6	6					3		3									
Marketing																		
Nonparametric Statistics	3	3							3									
Application probability theory	3	3							3									
Statistical applied mathematics	3	3							3									
E-commerce Web Analytics	3	3							3									
Dynamic web programming	3	3							3									
Financial data analysis and program	3	3									3							
Financial Information System	3	3									3							
Workplace English	3	3									3							
Danger theory	3	3									3							
Actuarial Mathematics(I 、 II)	6	6									3		3					
Reliability Methods	3	3									3							
Linear Programming	3	3									3							
Advanced Statistics Suite Software	3	3									3							
Operations Research	3	3											3					
Quality Engineering	3	3											3					
Biometric method	3	3											3					
Epidemiological	3	3											3					
Health data analysis	3	3											3					

Professional Elective Courses

Course	Credits	Hours	1st year				2nd year				3rd year				4th year			
			Fall		Spring		Fall		Spring		Fall		Spring		Fall		Spring	
			class	lab	class	lab	class	lab	class	lab	class	lab	class	lab	class	lab	class	lab
Data simulation analysis	3	3												3				
Application simulation method	3	3												3				
creative visual images	3	3												3				
Data dynamic report design	3	3												3				
Time Series Analysis	3	3														3		
Marketing management	3	3														3		
Spatial statistics	3	3														3		
Curricular Practical Training	3	3														3		
Advanced chatbot implementation	3	3														3		
Machine Learning Practice	3	3														3		
Digital Marketing Project	3	3																3
Application decision method	3	3																3
Statistical analysis of	3	3																3
Survival analysis	3	3																3
Smart data analysis practice	3	3												3				
social media marketing	1	1							1									
Marketing data analysis	1	1							1									
E-commerce market environment analysis	1	1							1									
E-commerce logistics and payment	1	1							1									
A I p r e d i c t i o n m o d e l	1	1										1						
Questionnaire structure model	1	1										1						

Course		Credits	Hours	1st year				2nd year				3rd year				4th year			
				Fall		Spring		Fall		Spring		Fall		Spring		Fall		Spring	
				class	lab	class	lab	class	lab	class	lab	class	lab	class	lab	class	lab	class	lab
	National defense education	0	4	2		2													
	National defense education	0	4					2		2									
	Japanese (I & II)	4	6					2	1	2	1								
	Insurance	3	3					3											
	Microeconomics	3	3					3											
	Macroeconomics	3	3							3									
	Introduction to the Civil	3	3					3											
	Business Law	3	3							3									
	Business Management	3	3					3											
	Money and Banking	3	3									3							
	Practice in International	3	3									3							
	Public Finance	3	3									3							
	Financial Management	3	3													3			
	Investment	3	3															3	
	Physical education	4	4													2		2	
	Basic math	3	3					3											
	Introduction to Mathematic	3	3					3											
	History of mathematics	3	3					3											
	Data analysis	3	3							3									
	Advanced Calculus (I II)	8	8					4		4									
	Higher Linear Algebra	3	3									3							
	Geometry (I & II)	6	6									3		3					
	Algebra (I & II)	6	6									3		3					
	Topology	3	3									3							
Total	Subtotal Required Course Credits	97																	
	Elective Course Credits	31																	
	Grand Total	128																	

1. In accordance with MCU General Provisions for Study, all undergraduate students must pass the requirements for Service-Learning, English Proficiency, Information Technology Proficiency, Chinese Proficiency, Sports Ability, and Basic Professional Skills in order to graduate.
2. Students are required to take at least 12 credit hours of General Education courses. There are three disciplines within General Education – Humanities, Social Science and Natural Science. The courses are categorized into “Core Courses” and “Extended Courses” under each discipline. To meet the graduation requirements, students are required to take at least one 2-credit-hour course in each category of each of the disciplines.
3. Credits for education and general education are not included in the credits.
4. The credits of interdisciplinary focused course program are not included in course structure diagram that can be regarded as the other department credits.
5. Group compulsory censorship can be recognized as another group of professional elective credits.
6. Elective courses in this mandatory elective list can be traced back to students enrolled before the 110 academic year.