

Course		Credits	Hours	1 st year				2 nd year				3 rd year				4 th 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
Professional Required Courses	Applied Probability Theory	3	4							3	1								
	Sampling Methods	3	3					3											
	Applied Regression Analysis	3	3							3									
	Statistical Computer Softwares	3	4					3	1										
	Statistical Database	3	3							3									
	Accounting	3	4					3	1										
	Mathematical Statistics	3	4									3	1						
	Experimental Design	3	3									3							
	Applied Categorical Data Analysis	3	3									3							
	Application of multivariate data	3	3											3					
	Data Mining	3	3											3					
	Internet Database Design	3	3									3							
	Special Topics in Statistical Information	2	2											1		1			
	Industrial Practice	2	2													2			
Subtotal	64	79	15		9		9		9		12		7		3				

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Professional Elective Courses	Required Elective Courses	Applied Programming in Statistics	3	3			3													
		Applied Multivariate Data Analysis	3	3										3						
	Business Statistics Information Group	Theory of Interest	3	3					3											
		Risk Theory	3	3									3							
		Actuarial Mathematics-1	3	3									3							
		Actuarial Mathematics-2	3	3											3					
		Marketing Survey	3	3											3					
		Time Series Analysis	3	3														3		
		Data Mining	3	3														3		
		Marketing Management	3	3														3		
	Marketing Research	3	3																3	
	Industrial Statistics Information Group	Introduction to Industrial Statistics	3	3					3											
		Quality Control	6	6					3		3									
		Reliability Methods	3	3									3							
		Linear Programming	3	3									3							
Operations Research		3	3											3						
Quality Engineering		3	3											3						
Special Topics in Practices of Industrial Statistics		3	3														3			

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Professional Elective Courses	Biology Statistics Information Group	Biology Information	3	3									3							
		Applied Stochastic and Modeling	3	3										3						
		Biology Statistical Methods	3	3											3					
		Epidemiology	3	3											3					
		Medicine Statistical Methods	3	3													3			
		Survival Analysis	3	3															3	
		Nonparametric Statistics	3	3							3									
		Applied Simulation	3	3											3					
		Applied Decision Methods	3	3															3	
General Elective Courses	Japanese (I & II)	4	4					2	1	2	1									
	Insurance	3	3					3												
	Microeconomics	3	3					3												
	Macroeconomics	3	3							3										
	Introduction to the Civil Code	3	3					3												
	Business Law	3	3							3										
	Business Management	3	3					3												
	Money and Banking	3	3									3								

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			class	lab	class	lab	class	lab	class	lab	class	lab	class	lab	class	lab	class	lab
Grand Total	128																	

Notes:

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. The credits of interdisciplinary focused course program are not included in course structure diagram that can be regarded as the other department credits.