

Course		Credits	Hours	1 st year		2 nd year		Note	
				Fall	Spring	Fall	Spring		
				class	class	class	class		
Core Required Courses	Applied English I	2	2	2					
	Applied English II	2	2		2				
	Subtotal	4	4						
Professional Required Courses		Seminar-1	1	1		1			
		Seminar-2	1	1			1		
		Subtotal	2	2					
Professional Elective Courses	Research Method	Data Decision Dnalysis	3	3	3			(Choose two out of four) before graduation Research Methods Core Course Must have studied at least 2 subjects	
		Practices of Analytical Forecasting Model	3	3		3			
		Applied Multivariate Data Analysis practice	3	3			3		
		Applied Categorical Data Analysis	3	3					3
	Big Data	Data exploration practice	3	3	3				(Choose two out of four) before graduation Big Data Core Course Must have studied at least 2 subjects
		Big Data Analytics	3	3		3			
		Data Visual Analysis	3	3			3		
		Text data mining practice	3	3				3	
Other Elective Courses	AI	Machine Learning	3	3				3	1. A maximum of 3 elective courses from foreign departments can be admitted, and must be signed and approved by the dean of the department. 2. Master students who have not obtained an English certificate equivalent to “CEFR” B1 level before graduation (according to the school: TOEIC 550 points, national English exam intermediate re-examination...etc.), they must take 4 credits Graduation is only possible after passing the "Practical Application of English 1" and "Practical Application of English 2" courses. 3. The elective courses in this compulsory elective subject list can be retroactively applied to students enrolled before the 112 academic year.
		Cloud distributed programming	3	3				3	
		Structured and unstructured data processing	3	3	3				
		Stochastic Process	3	3			3		
	Cross-domain application	Marketing Research	3	3		3			
		Survival Analysis	3	3			3		
		Temporal statistical topics	3	3		3			
		Health Information Topics	3	3		3			
	Practical application	Survey Design and Analysis	3	3	3				
		Design and Analysis of Experiments	3	3	3				
		Special Topics in Nonparametric Statistics	3	3	3				
		Practices of Marketing Survey	3	3			3		
		Applied Structural Equation Model	3	3			3		

Course		Credits	Hours	Note
Grand Total	Required Courses	6		
	The Minimum Credits Required for Elective Professional Courses	30		
	Total	36		

Remarks: The master's class of this department must be fully completed and the elective courses must be more than 36 credits. The examinations stipulated in the graduate degree examination rules and the basic ability of the professional ability stipulated in the department can graduate.