Course			Credits	Hours	1st year Fall class	1st year Spring class	2nd year Fall class	2nd year Spring class	Note
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		Structured and unstructured data processing	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 111 academic year.
		Survey Design and Analysis	3	3	3				
		Design and Analysis of Experiments	3	3	3				
		Special Topics in Nonparametric Statistics	3	3	3				
		Marketing Research	3	3		3			
		Survival Analysis	3	3			3		
		Practices of Marketing Survey	3	3			3		
		Stochastic Process	3	3			3		
		Applied Structural Equation Model	3	3			3		
		Reliability Analysis	3	3				3	
		Temporal statistical topics	3	3		3			
		Health Information Topics	3	3		3			
		Cloud distributed programming	3	3				3	
		Machine Learning	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.