2022/2023 UEA Bachelor's Degree Programme (Taught in Chinese)

Xi'an Jiaotong University Big Data Management and Application

* The information below is extracted from the existing curriculum, which is subject to change. Please refer to the curriculum used in the year of entry as final curriculum.

1. Program Overview

University/School: School of Management, Xi'an Jiaotong University (XJTU) Major: Big Data Management and Application Awarding Degree: Bachelor of Management Duration: 4 Years Credit requirement for graduation: For graduation, students should complete all modules with 145 credits and practice with 8 credits as required in the curriculum, passing the PE test. Students, who have met the criteria as required by the university regulation on undergraduate student registration and degree awarding, will be awarded with degree certificate.

2. Teaching Outcomes

This program aims to develop international talents into management talent, who are capable of business analysis by using big data, with understandings about the management foundation and techniques and methods for big data management.

Teaching Methods:

Management theory and practice will be combined in program delivery. In the first four semesters, students will receive general education to complete foundational modules in social science, mathematics, English and computer science, as well as core modules in the Science and Engineering category. In Semesters 5, 6 and 7, students will learn modules and practices in ecommerce and big data management and application. Students will complete graduation design (thesis) and defense in Semester 8.

3. Curriculum

Module Title	Category	Hours	Credits	Semester
Chinese Listening and		0.4		1 1 1 0
Speaking	Chinese	64	4	1-1, 1-2
Chinese Laws	Language	32	2	1-2
Chinese Reading	and China	192	12	1-1, 1-2
China Overview		32	2	1-2
Ethics and Conduct			3	2-2
Sub-total			23	
	-			
PE 1		32	0.5	1-1
PE 2	DE	32	0.5	1-2
PE 3	PE	32	0.5	2-1
PE 4		32	0.5	2-2
Sub-total			2	
Advanced Mathematics I -1		110	6.5	
Advanced Mathematics I -2		110	6.5	
Linear Algebra		32	2	
Probability Theory		32	2	
University Physics III		64	4	
University Computer Science		48	3	
П	Platform			
Database Foundation and	Foundational	48	3	
Application	Modules			
Python Data Processing		48	3	
Life Science Foundation II		2	2	
Introduction to Mechanical		2	2	
Engineering				
Electrical Techniques		2	2	
Data Structure and Algorithm		2	2	
Sub-total			38	
Operational Research	Subject	48	3	
Management	Subject	48	3	
Microeconomics	Introductory Modules	48	3	
Macroeconomics		48	3	

		3	
	32	2	
	32	2	
	32	2	
	32	2	
	32	2	
	32	2	
	20	0	
	32	2	
		29	
	32	2	
	20	2	
	32	Z	
-	32	2	
Subiect Core	32	2	
Modules	32	2	
	20	0	
	32	2	
-	32	2	
	32	2	
	02		
		10	
	32	2	
_			
	52	2	
	32	2	
Subject	32	2	
-		2	
Modules			
	32	2	
	32	2	
	Subject Optional	32 32 32 32 32 32 32 32 32 32 32 32 32 32 32 32 32 32 32 32 32 32 32 32 32 32 32 32 32 32 32 32 32 32 32 32 32 32 32 32 32 32 32 32 32 32 32 32 32 32 32 32 32 32 32	32 2 32 2 32 2 32 2 32 2 32 2 32 2 32 2 32 2 32 2 32 2 32 2 32 2 32 2 32 2 32 2 32 2 32 2 32 2 32 2 32 2 32 2 32 2 32 2 32 2 32 2 32 2 32 2 32 2 32 2 32 2 32 2 32 2 32 2 32 2

Sub-total		14
Operational Research Practice		1
Applied Statistics Practice		1
Management Information		2
System Practice		
Website Development and	Practice	2
Design		
Data Video Production		2
Practice for Big Data Analysis		1
in Finance		
Practice for Big Data Analysis		
in Health		
Individual Behaviour Analysis		
based on Telecommunication		2
Data		
Internship		4
Graduation Design (Thesis)		10
Sub-total		26
		· · ·
Total		138

Notes:

1. The number of total credits does not include the 8 credits for Practice.

Please refer to the requirement and implementation methods from the student management department for the 8 credits.

2. Requirement

In principle, the total credits to be achieved by students in this program for each semester should not be more than 24 credits. Students who have achieved 90 in the previous semester will be able to acquire additional 2 credits as appropriate.