

Undergraduate Program for Digital Economy

I Cultivation Standards

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Length of Schooling

4

Duration: 4 years

II

Degree

Degrees conferred: Bachelor of Economics

II Cultivation Objectives

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Guided by Xi Jinping Thought on Socialism with a strong sense of community of the Chinese nation as the main line, moral cultivation as the fundamental task, to meet the needs of the national strategy to accelerate the development of digital economy, we are committed to training talents with a global digital economy vision, profound theoretical knowledge of economics and management, strong data analysis and processing ability, familiar with the regulatory laws and regulations of digital economy, with excellent ideological and moral quality and professional quality. Strong practical ability and innovation consciousness, service local economic and social development of compound talents. The training objectives of this major are as follows:

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III Basic Requirements for Graduation

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Students majoring in digital economy should have a vision of global digital economy, grasp the development frontier of digital economy, systematically master the theory and analysis methods of digital economy, have interdisciplinary knowledge of economics, management, statistics, computer science, familiar with relevant laws and regulations of digital economy, and possess high data analysis techniques. Be able to use digital economy thinking to analyze and solve complex problems, and have the ability to engage in research, consultation, operation and management in big data, block chain, artificial intelligence, e-commerce and other digital economy-related fields. The digital economy major prepares students to acquire the following knowledge, abilities and qualities:

1 Knowledge Requirements

1.1 Humanistic and social knowledge: master certain knowledge of literature, history, politics, philosophy, art, management, law, etc., understand the development of human civilization and the world's outstanding ideology and culture, be familiar with scientific knowledge and the development trend of modern science and technology, and meet the needs of management and communication in the era of

digital economy

1.2 Basic knowledge: Master the basic knowledge of foreign language, mathematics, statistics, basic economics, and basic knowledge of digital economy, including microeconomics, macroeconomics, statistics, etc.

1.3 Professional knowledge: Master the professional knowledge of digital economy, including digital economics, R language and data analysis, artificial intelligence and machine learning technology, Internet + operation management, industry and economics, principles and application of technology, etc.

1.4 Professional extension of knowledge: master application of process, database and applications, statistical analysis, data, complex modeling and simulation, risk management, digital trade, digital marketing and block chain applications, the frontier and development trends in the economy.

2 Ability

2.1 Knowledge ability: master the basic methods of modern information retrieval and analysis, comprehensively learn interdisciplinary knowledge of economics, management, statistics, computer science, etc., and have the ability of independent learning and lifelong learning.

2.2 Social practice ability: able to comprehensively apply economic theory, data statistics and computer technology for data collection and processing, use modern big data processing tools to analyze and evaluate statistical results, and have the ability to solve complex economic problems.

2.3 Innovative thinking ability: develop the h1 0 0 1 398(ssi5.32 847t9.1 410.3p61n 4MCID 337/L

3 Quality Requirements

3.1 Ideological and political quality: with a firm and correct political direction, positive outlook on life, world outlook, values; Have the initiative to serve the community consciousness and teamwork spirit; Have a healthy body, good psychological quality and environment adaptability.

3.2 Scientific and cultural quality: keep track of the development of science and technology, understand and master the scientific principles and methods of the profession and related fields, and be good at discovering and raising problems; Have a good understanding of Chinese and foreign excellent culture and thoughts, have a good cultural and artistic accomplishment and noble aesthetic taste.

3.3 Professional quality: have a sense of risk, and have a solid basic knowledge of economics, statistics and computer science; Master big data processing and analysis methods; Strong ability of independent learning and independent problem solving, able to use scientific methods and innovative thinking to solve practical problems in the digital economy.

3.4 Professional quality: have a high sense of social responsibility and excellent professional ethics; Understand digital economy laws and regulations; Correctly understand the impact of the development of digital economy on the economy and society; Good sense of safety, health, efficiency, environment and service.

IV Matrices of Graduation Requirements and Cultivation Objectives

Cultivation Objectives & Graduation Requirements		1 Cultivation Objective I	2 Cultivation Objective II	3 Cultivation Objective III	4 Cultivation Objective IV	5 Cultivation Objective V
1. Knowledge Requirements	1.1 Humanistic and social knowledge					
	1.2 Basic knowledge of the subject					
	1.3 Professional basic knowledge					
	1.4 Professional knowledge expansion					
2. Ability Requirements	2.1 Knowledge learning ability					
	2.2 Social practice ability					

	2.3 Innovative thinking ability					
	2.4 Management and cooperation ability					
3. Quality Requirements	3.1 Ideological and political quality					
	3.2 Scientific and cultural quality					
	3.3 Professional quality					
	3.4 Professional quality					

V Matrices of Realization of Graduation Requirements

Course & Graduation Requirements	1 Graduation Requirement I				2 Graduation Requirement II				3 Graduation Requirement III			
	1.1	1.2	1.3	1.4	2.1	2.2	2.3	2.4	3.1	3.2	3.3	3.4
1 English 1	H				H					H		
1 Physical Education 1	H							M	H			
Moral Education and Rule of Law	H							H	H			
Education of Chinese Minzu Community Consciousness	H							H	H			
College Chinese and Writing	H						M			H		
2 English 2	H				H					H		
2 Physical Education 2	H							M	H			
Essentials of China Modern and Contemporary History	H						H		H			
Situation and Policy	H						H		H			

Course & Graduation Requirements	1 Graduation Requirement I				2 Graduation Requirement II				3 Graduation Requirement III			
	1.1	1.2	1.3	1.4	2.1	2.2	2.3	2.4	3.1	3.2	3.3	3.4
3 English 3	H				H					H		
3 Physical Education 3	H							M	H			
The Basic Principles of Marxism	H						H		H			
Introduction to MAO Zedong Thought and Socialist Theoretical System with Chinese Characteristics	H						H		H			
Xi Jinping Thought on Socialism with Chinese Characteristics for a New Era	H						H		H			
4 English 4	H				H					H		
4 Physical Education 4	H							M	H			
5 Physical Education 3	H							M	H			
6 Physical Education 3	H							M	H			
Psychological Health and Safety	H							H	H			
Humanistic Accomplishment and Writing	H							H		H		
Science and Technology & Science Popularization	H					H	M			H		
Art Appreciation and Aesthetics	H							M		H		
Contemporary China and the World	H							H		H		

Course & Graduation Requirements	1 Graduation Requirement I				2 Graduation Requirement II				3 Graduation Requirement III			
	1.1	1.2	1.3	1.4	2.1	2.2	2.3	2.4	3.1	3.2	3.3	3.4
Chinese Culture and Civilization	H						M			H		
Fundamentals of Computer		H				H					H	
Microeconomics		H			H						H	
Political Economics		H			H						M	
1		H			M						H	
Accounting		H				H						M
Macroeconomics		H			H						H	
Python Programming Language		H				H					H	
Linear Algebra		H				M					H	
2		H			M						H	
Public Finance		H				H						H
Probability Theory and Mathematical Statistics		H			M						H	
Statistics		H				H					H	
Finance		H				H					H	L

Course & Graduation Requirements	1 Graduation Requirement I				2 Graduation Requirement II				3 Graduation Requirement III			
	1.1	1.2	1.3	1.4	2.1	2.2	2.3	2.4	3.1	3.2	3.3	3.4
Investing				H	H							M
Technical analysis of securities investment				H		H				M		
Digital finance				H	H							H
Social Data Analysis				H					M	H		
Applied Stochastic Process				H		H				H		
Literature Search and Database Application				H	H				H			
Artificial Intelligence and Machine Learning				H		H				H		
Block Chain and Applications				H		H				H		
Labor Education	H							M				H
Military Skill Training	H							H				H
B	H					H						M
The Practice of Digital Economy			H			H					H	M
Digital-Economic Survey			H			H				H		
Data Acquisition and Analysis Training				H		H					M	
Graduation Practice				H		H						H
Dissertation				H	H						H	

VI Core Courses

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Microeconomics, Macroeconomics, Statistics, Econometrics, Digital Economics, R Language Programming and Data Analysis, Artificial Intelligence and Machine Learning, Sampling Technology and Application, Economic Forecasting and Decision, Network Industry and Platform Economics, Big Data Technology Principle and Application, Algorithm design and analysis, Internet + Operation Management, etc.

VII Main Internship and Practical Training

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Experimental courses (including R Language Programming and Data Analysis, Big Data Technology Principle and Application, Sampling Technology and Application, Complex System Modeling and Simulation, Artificial Intelligence and Machine Learning, etc.), Social practice (including Digital Economy Practice, Digital Economy Investigation, Data Collection and Analysis Training, etc.), Research writing and thesis (including Thesis, Academic Thesis, Research Practice, etc.).

VIII Hours/Credits

Table of Hours and Credits

Course Classified			/ Period/Weeks	Credits		Proportion of Credits
				Theory	Practice(I&E Crs.)	
General Course Platform	Compulsory		616	30	3	20.6%
	Elective		144	9	/	5.6%
Basic Course Platform	Compulsory		764	38	3	25.6%
Major Course Platform	Compulsory		492	22.5	5.5	17.5%
	Elective		352	17.5	3	13%
Practical Teaching Platform	Compulsory		80+15W	/	18.5	11.6%
	Elective		/	/	/	
Quality Development Platform	Innovation & Entrepreneurship Credits	Compulsory	/	/	5	3.1%
	Other Credits		92	4	1	3.1%
Amount	Compulsory Credits	130.5	Elective Credits	29.5	Proportion of Elective Credits	18%
	Theory Credits	121	Practice Credits	34	Proportion of Internship and Practical Training	21.25%
The Lowest Graduate Credits			160			

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IX Teaching Schedule Form

/ Form I: General Course Platform

A /Form I (A):General Compulsory Courses (General Required)

Course Code	Course Name	Crs.	Hrs.	Period Classified				Semester
				The.	Exp.	Pra.	Ueb	
20W100000613	English 1	2	32	32				1
218110000313	Physical Education 1	0/1	26			26		1
217100014918	Moral Education and Rule of Law	2.5/0.5	52	40		12		1
225100000118	Education of Chinese Minzu Community Consciousness	1.5/0.5	36	24		12		1
202100034718	College Chinese and Writing	2	32	32				2
20W100000713	English 2	2	32	32				

217100015818 Introduction to MAO Zedong Thought and
Socialist Theoretical System with Chinese
Characteristics

Form II. Basic Course Platform

Course Classified	Course Code	Course Name	Crs.	Hrs.	Period Classified				Semester	Notes
					The.	Exp.	Pra.	Ueb		
Basic Courses Required	206100042918	Fundamentals of Computer	1.5/0.5	40	24	16			1	
	206103000313	Microeconomics	4	64	64				1	
	206100030318	Political Economics	3.5/0.5	68	56		12		1	
	2101000109	1	3.5	72	56			16	1	
	207100062718	Accounting	2.5	48	40	8			2	
	206103000513	Macroeconomics	4	64	64				2	
	209100030818	Python Programming Language	1/1	48	16	32			2	
	2101000118	Linear Algebra	2	48	32			16	2	
	2101000110	2	3.5	72	56			16	2	
	206100045118	Public Finance	2	32	32				2	
	2101000112	Probability Theory and Mathematical Statistics	2.5	56	40			16	3	
	206103003613	Statistics	3	48	48				3	
	206103004813	Finance	3	48	48				3	
	206100030718	Econometrics	2/1	56	32	24			4	
<p style="text-align: center;">41 Demand of Credits: Required 41</p>										

Form III: Major Course Platform

Course Classified	Course Code	Course Name	Crs.	Hrs.	Period Classified				Semester	Notes
					The.	Exp.	Pra.	Ueb		
Required Courses	206100048718	A Digital Economics A	3	48	48				3	
	206100039118	Sampling Techniques and Applications	2/0.5	44	32	12			4	
	206100046818	R R Language Programming and Data Analysis	2/1	56	32	24			4	
	206100038618	Algorithm Design and Analysis	2/1	56	32	24			4	
	206100046718	Network Industry and Platform Economics	2	32	32				4	
	206100046918	Intermediate Econometrics Method and Application	2.5/0.5	52	40	12			5	
	206100038918	Principle and Application of Big Data Technology	2/1	56	32	24			5	
	206100040318	Economic Forecasting and Decision-making	2/0.5	44	32	12			5	
	206100051718	Artificial Intelligence and Machine Learning	2/1	56	32	24			6	
	206100051818	Case Analysis of Digital Economy	1	16	16				6	
	206100048418	+ Internet + operation management	2	32	32				7	
Elective courses	206100052018	Regional Economics	2	32	32				3	20.5 3 20.5
	206100031518	Industrial Economics	2	32	32				3	
	206103005913	Management	2	32	32				3	
	206100047218	Modeling and Simulation of	1/1	40	16	24			4	

Course Classified	Course Code	Course Name	Crs.	Hrs.	Period Classified				Semester	Notes
					The.	Exp.	Pra.	Ueb		
		Complex Systems								
	206103020913	Bank Credit Analysis A	2/1	56	32	24			4	
	206100047318	Digital Trade	2	32	32				4	
	206110040018	Database Principle and Application	0/2	48		48			4	
	206100046418	Digital Marketing	2	32	32				5	
	206100051918	Risk Management of Digital Economy	2	32	32				5	
	206100049318	Applied Stochastic Process	2	32	32				5	
	206100049718	Regulation and Law of Digital Economy	2	32	32				5	
	206100038518	Investing	2/1	56	32	24			5	
	206100049118	Digital Finance	2	32					6	
	206110039818	Technical analysis of securities investment	0/2	48		48			6	
	206100046618	Social Data Analysis	2/0.5	44	32	12			6	
	206100042318	Literature Search and Database Application	0.5/0.5	20	8	12			6	
	206100048018	Block Chain and Applications	2	32	32				7	
: 48.5(28 20.5) Demand of Credits: 48.5 (Required28, Elective 20.5)										

Form IV: Practical Course Platform

Course Classified			Course Code	Course Name	Crs.	/ Total Period/Hrs.	Period Classified		Semester
							Exp.	Pra.	
Practice	Course Practice	Compulsory Courses	112110010718	Labor Education	1	36	√		1-7
			109110000318	Military Skill Training	2	36	√		1
			701110000318	B	0.5	8	√		2
	Project Design	Compulsory Course	206110048318	Digital Marketing Practice	2	2W			6
	Amount		5.5						
internship	Course internship	Compulsory Course	206110047818	Socio-economic survey	2	2W		√	4
			206110050118	Data Acquisition and Analysis Training	1	1W		√	5
	Graduation internship	Compulsory Course	206113015013	Graduation Practice	4	4W			8
	Graduation Thesis (Project)	Compulsory Course	206113016313	Dissertation	6	6W			8
	Amount		13						
:18.5 18.5 0 Demand of Credits: 18.5 (Required1 18.5, Elective 0)									

Form V: Quality Development Platform

Course Code	/ Course Name	Crs.	Hrs.	Period Classified				Semester
				The.	Exp.	Pra.	Ueb	
109100000418	Military Theory	2	36	36				1
109100000818	National Security Education	1	16	16				2
/		0/1	24			24		1-7
115100000113	Employment Guidance	1	16	16				6
/	Innovation Education	3	/					
/	Entrepreneurship Education	2	/					

Amount

