

Undergraduate Training Program for Financial Management

Major code: 120204 Major name: financial management
Subject: Management (12) Business Administration (1202)

1、 Major Introduction

The Financial Management major was established in 1998. After more than 20 years of accumulation and development, it became a characteristic major in Henan Province in 2012. In 2018, it was approved as an excellent grassroots teaching organization in Henan Province. In 2020, it was selected as a national first-class undergraduate major construction point. It has now become an important training base for senior financial and accounting talents in Henan Province and the aviation industry system. The financial management major keeps up with the forefront of the times, introducing new technologies such as big data and artificial intelligence to form the characteristics of intelligent finance; Interdisciplinary integration with aerospace and mechanical manufacturing disciplines, emphasizing the cultivation of interdisciplinary and composite talents; Focus on changes in demand and continuously innovate and develop. The professional characteristics of "financial management+ digital intelligence+ aviation+ manufacturing" have been formed, laying a solid foundation for students to realize their life value.

2、 Training Objectives

This major aims to cultivate high-quality composite financial management innovative talents with socialist core values, humanistic heritage, professional ethics, and a sense of aviation mission, possessing knowledge and abilities in management, economics, finance, big data, etc., serving the national aerospace strategy and regional economic and social development, and meeting the requirements of the times. Graduates should be capable of fulfilling the job requirements of financial management. After about 5 years of enterprise management practice after graduation, one should grow to possess profound business thinking and business knowledge, master the foundation of economics and management knowledge, have solid professional knowledge in accounting and financial management fields such as fundraising, investment, operation, profit distribution, etc., possess basic abilities in financial forecasting, decision-making, budgeting, control, analysis, etc., know accounting and financial management practices at home and abroad, and be competent in practical work of accounting, financial management, and capital operation

in aviation manufacturing industry, local enterprises, accounting firms, government departments, financial institutions and other fields. The specific objectives are as follows:

1. Possess comprehensive application capabilities. Having a solid foundation in humanities, mathematics, information technology, economics, management, and other fundamental knowledge, mastering the basic theories, methods, and skills of financial management, enabling students to have strong competitiveness in relevant certification exams, mastering scientific research methods, understanding the latest trends and developments in the field of financial management, comprehensively applying professional knowledge such as financial management, economics, statistics, etc. to identify and analyze key issues, and draw conclusions.

2. Possess management and communication skills. Understand the basic principles and methods of marketing, research and development, production processes, and production management in the aviation manufacturing industry, and be able to undertake cost management and fund management in the product production process. Having effective verbal communication skills, written professional communication skills, strong interpersonal communication skills, communication and coordination abilities, and a sense of teamwork, capable of effectively completing team collaboration. Capable of holding positions such as middle-level management in enterprises.

3. Possess innovative ability. Being able to identify key issues in the field of financial management, comprehensively analyze problems, and make evaluations. Having business and critical thinking skills, capable of utilizing information technology and business theory to provide systematic solutions for manufacturing enterprises in areas such as fund management, investment management, risk control, and asset security, and utilizing modern management tools to support economic forecasting, decision-making, budgeting, control, and evaluation. Capable of holding positions such as Chief Financial Officer.

4. Possess the ability to develop. Understand the national, social, and commercial environment, and master the basic policies and relevant regulations in the fields of national economy and management; Understand the international cutting-edge trends and differences in the field of financial management, possess an international perspective, and be able to communicate across cultures; Having a passion for exploring the unknown, keen observation ability, rich imagination ability, and lifelong learning ability, able to adapt to social and personal sustainable development.

5. Possess professional ethics. Being able to practice socialist core values, identify ethical and moral dilemmas and challenges in the business environment, analyze ethical and moral issues in the business environment, and propose appropriate solutions. Having rich humanistic heritage, sensitive ethical awareness, good professional ethics and social responsibility, as well as a high sense of mission towards aviation.

3、 Graduation requirements

1. Business knowledge

1.1 Have a solid foundation in humanities, economics, management, and professional knowledge in financial accounting, and understand the latest developments and trends in the field of financial management.

1.2 Have a solid foundation in mathematics, information technology, big data accounting analysis and decision-making, and master scientific research methods.

2. Thinking and Innovation

2.1 Possess discerning thinking. Being able to identify, analyze, question, and evaluate phenomena and issues related to financial management, draw conclusions, and express personal opinions.

2.2 Possess innovative capabilities. Be able to propose innovative perspectives and solutions on phenomena and issues related to financial management.

3. Solve the problem

3.1 Able to identify key issues in the field of financial management, comprehensively analyze problems, and make evaluations.

3.2 Have the ability to solve management and control problems in various functional and cross functional departments, and be able to conduct comprehensive analysis and research on complex issues in this professional field, and propose corresponding countermeasures.

4. Using tools

4.1 Able to apply mathematical knowledge, statistical knowledge, information technology means and tools appropriately to solve practical problems.

4.2 Able to apply digital intelligence technology for business processing in accounting and financial management, and conduct big data accounting analysis and decision-making.

5. Communication and expression

Has strong communication and expression skills. Being able to communicate effectively through different ways of expression.

6. Teamwork

6.1 Have a good sense of teamwork. Being able to get along harmoniously and collaborate with team members.

6.2 Can effectively play an active role as a member or leader in team activities.

7. International perspective

7.1 Possess an international perspective and international understanding ability.

7.2 Understand the dynamics of international financial management, pay attention to global issues, and understand and respect the differences and diversity of different cultures around the world.

8. Lifelong learning

Having the awareness of self-learning and lifelong learning, able to adapt to social and personal sustainable development.

9. Comprehensive literacy and values

9.1 Possess humanistic heritage, scientific spirit, professional ethics, and a sense of social responsibility.

9.2 Understand the national and social conditions, and practice the core socialist values.

Table 1: Support Matrix of Graduation Requirements for Training Objectives

training objectives Graduation requirements	Training Objective 1	Training Objective 2	Training Objective 3	Training Objective 4	Training Objective 5
Graduation Requirement 1	√				
Graduation Requirement 2			√		
Graduation Requirement 3	√	√	√		
Graduation Requirement 4	√				
Graduation Requirement 5		√			
Graduation Requirement 6		√		√	
Graduation Requirement 7				√	
Graduation Requirement 8				√	
Graduation Requirement 9					√

4、 Core courses

Microeconomics, Macroeconomics, Finance, Public Finance, Investment, Management, Economic Law, Basic Accounting, Financial Accounting, Cost Management Accounting, Enterprise Financial Management, Advanced Financial Management, Intelligent Financial Analysis, Financial Intelligence Topics, Intelligent Financial Decision Making, Intelligent Financial Sharing, Capital Operations, Corporate Strategy and Risk Management, etc.

5、 Education System and Degree

Duration of study: The basic education system for this major is 4 years, and a flexible education system of 3 to 7 years is implemented.

Conferring degree: Bachelor of Management.

6、 Course Structure and Credit Requirements

Students are required to take at least 158+5 (second class) credits within the school's designated time frame to graduate. The minimum credit requirements for various courses are shown in the table below.

Table 2: Credit Composition of Curriculum System

	130 credits in theoretical teaching	Concentrated practical	second class
	106.5 credits for compulsory courses, accounting for 81.9%, and 23.5 credits for elective courses, accounting for 18.1%		

	General Education Course		Subject Basic Course	specialized course	Personalized courses	teaching (Compulsory)	
	Compulsory	take as an elective course					
credit	67.5	4	17.5	21.5	19.5	28	5
proportion	45.3%		11.1%	13.6%	12.3%	17.7%	

Note: "()" refers to the experimental (practical)/computer credits included in various theoretical courses.

8、 Guiding Teaching Process Table

Teaching Progress Table of Financial Management Major

Cour se categ ory	grou p num ber	course code	Course Name	course nature	credit	Gener al School time	give a lecture class hour	experi ment (Practi ce) class hour	Compu ter hours	Weekly study hours	start class semester
General Education Compulsory Courses	not have group name	GB001B	ESL I (1)	Compulsory	3.0	54	54	0	0	3	1
		JB00001A	Artificial Intelligence and Future	Compulsory	3.0	54	36	0	18	4	1
		MK00004A	Ideological and Moral Cultivation and Basic Law Education	Compulsory	3.0	54	44	10	0	3.5	1
		KB003C	Advanced Mathematics II (A)	Compulsory	3.0	54	54	0	0	4	1
		XB014A	Situation and Policy I	Compulsory	0.25	8	8	0	0	0.5	1
		9500001A	Career Planning for College Students	Compulsory	1.0	16	16	0	0	2	1
		YB006B	Military Theory and National Security	Compulsory	3.0	48	44	4	0	3	1
		XB014B	Situation and Policy II	Compulsory	0.25	8	8	0	0	0.5	2
		9700001A	Mental Health Education of University Students	Compulsory	2.0	32	32	0	0	2	2
		GB002C	ESL I (2)	Compulsory	3.0	54	54	0	0	3	2
		JB004B	Python Programming Design	Compulsory	3.0	48	32	0	16	3	2
		KB004C	Advanced Mathematics II (B)	Compulsory	5.0	90	90	0	0	5	2
		MK00001A	Basic Principles of Marxism	Compulsory	3.0	54	44	10	0	3.5	2
		XB003B	Outline of Modern and Contemporary Chinese History	Compulsory	3.0	54	44	10	0	3.5	2
		XB014C	Situation and Policy III	Compulsory	0.25	8	8	0	0	0.5	3
		BB539A	Basic Curriculum of College Students Innovation Undertaking	Compulsory	2.0	32	24	8	0	2	3
		GB003C	ESL I (3)	Compulsory	3.0	54	54	0	0	3	3
		KB009B	Probability Theory and Mathematical Statistics	Compulsory	4.0	64	64	0	0	4	3
		LB001A	University Language	Compulsory	0.25	40	40	0	0	3	3
		XB004C	Introduction to Mao Zedong Thought and Socialist Theoretical System with Chinese Characteristics	Compulsory	3.0	54	44	10	0	3.5	3

Cour se cater gory	grou p num ber	course code	Course Name	course nature	credit	Gener al School time	give a lecture class hour	experi ment (Practi ce) class hour	Com pute r hour s	Weekly study hours	start class semester
		XB014D	Situation and Policy IV	Compu lsory	0.25	8	8	0	0	0.5	4
		XB013A	Introduction to Xi Jinping’s Thought on Socialism with Chinese Characteristics for a New Era	Compu lsory	3.0	54	44	10	0	3.5	4
		GB004B	ESL I（4）	Compu lsory	3.0	54	54	0	0	3	4
		KB008B	Linear Algebra	Compu lsory	2.5	46	46	0	0	3	4
		XB014E	Situation and Policy V	Compu lsory	0.25	8	8	0	0	0.5	5
		XB014F	Situation and Policy VI	Compu lsory	0.25	8	8	0	0	0.5	6
		9500002 A	Employment Guidance	Compu lsory	1.0	16	16	0	0	2	6
		XB014G	Situation and Policy VII	Compu lsory	0.5	8	0	8	0	0.5	7
		YB127A	Physical Education (I)	Compu lsory	1.0	38	38	0	0	2	1
		YB127B	Physical Education (II)	Compu lsory	1.0	32	32	0	0	2	2
		YB127C	Physical Education (III)	Compu lsory	1.0	42	42	0	0	2	3
		YB127D	Physical Education (IV)	Compu lsory	1.0	32	32	0	0	2	4
		——	Aesthetic Education	Compu lsory	2.0	32	32	0	0	2	1-8
		——	The Histories of the Party, New China, the Reform and Opening-up, and Socialist Development	Compu lsory	1.0	16	16	0	0	2	1-4
Subtotals by category					67.5	1274	1170	70	34		
Gene ral electi ve cours es	not have grou p name	OX001B	Aviation Conspectus	take as an electiv e course	2.0	32	32	0	0	2	2
		500937	Mechanical Manufacturing Engineering	take as an electiv e course	2.0	36	36	0	0	3	2
		Subtotals by category				4	68	68	0	0	
Subje ct based cours es	not have grou p name	WB001A	Introduction of Subjects	Compu lsory	1.0	16	16	0	0	1	1
		801004	Fundamental Accounting Principles	Compu lsory	3.0	48	48	0	0	3	2
		BB718A	Management	Compu lsory	3.0	48	48	0	0	3	2
		CB101B	Microeconomics	Compu lsory	3.0	48	48	0	0	3	3
		AB119A	Fundamentals of Business Law	Compu lsory	2.0	32	32	0	0	2	3

Cour se cater gory	grou p num ber	course code	Course Name	course nature	credit	Gener al School time	give a lecture class hour	experim ent (Practi ce) class hour	Compu ter hour s	Weekly study hours	start class semester
		CB005A	Statistics	take as an electiv e course	2.5	40	40	0	0	3	4
		CB102B	Macroeconomics	Comput sory	3.0	48	48	0	0	3	4
Subtotals by category					17.5	280	280	0	0		
mono poliz e line of busin ess cours e	not have grou p name	AB102B	Financial Accounting I	Comput sory	3.5	56	56	0	0	4	3
		AB103A	Financial Accounting II	Comput sory	2.5	40	40	0	0	3	4
		AB306A	Corporate Financial Management I	Comput sory	3.0	48	48	0	0	3	4
		AB306B	Corporate Financial Management II	Comput sory	3.0	48	48	0	0	3	5
		AB307A	Special Topic on Financial Intelligentization	Comput sory	1.0	16	16	0	0	2	5
		AB304C	Intelligent Financial Analysis	Comput sory	3.0	48	32	0	16	3	5
		AB303A	Advanced Financial Management	Comput sory	2.5	40	40	0	0	3	6
		AB311A	Corporate Value Assessment	Comput sory	2.0	32	32	0	0	3	6
		AX608A	Financial Management Literature Retrieval and Writing	Comput sory	1.0	16	16	0	0	4	7
Subtotals by category					21.5	344	328	0	16		
Perso nalize d cours es	I	AB209B	Cost Management Accounting	take as an electiv e course	3.5	56	56	0	0	4	4
		CB401B	Finance	take as an electiv e course	3.0	48	48	0	0	3	4
		AX705B	Foundation of Commercial Big Data	take as an electiv e course	3.0	48	48	0	0	2	5
		AB106A	Advanced Financial Accounting	take as an electiv e course	3.0	48	48	0	0	3	5
		AB108B	Auditing	take as an electiv	3.0	48	48	0	0	3	5

Course category	group number	course code	Course Name	course nature	credit	General School time	give a lecture class hour	experiment (Practice) class hour	Computer hours	Weekly study hours	start class semester
				e course							
		AB004B	Intelligent Financial Sharing	take as an elective course	2.0	32	16	0	16	3	5
		AX307A	Capital Operation	take as an elective course	2.5	40	40	0	0	3	5
		AX205B	Corporate Strategy and Risk Management	take as an elective course	2.5	40	40	0	0	3	6
		AX306A	Multinational Financial Management (Bilingual)	take as an elective course	2.5	40	40	0	0	3	6
		AX351A	Intelligent Financial Decision	take as an elective course	3.0	48	16	0	32	3	6
		AB112A	Accounting Information System	take as an elective course	2.5	40	40	0	0	3	6
		BB715A	Business Ethics	take as an elective course	2	32	32	0	0	2	6
		CB420A	Theory of Investment	take as an elective course	2.5	40	40	0	0	3	6
		Subtitle of the group (at least 11.5 credits must be taken in this group)			35.0	560	512	0	48		
		BB981C	Organizational Behavior	take as an elective course	2.5	40	40	0	0	3	3
		AX109C	Tax Accounting	take as an elective course	3.5	56	56	0	0	4	4

Cour se categ ory	grou p num ber	course code	Course Name	course nature	credit	Gener al School time	give a lecture class hour	experi ment (Practi ce) class hour	Com pute r hour s	Weekly study hours	start class semester
	II			course							
		AX308A	Tax Planning	take as an electiv e course	2.0	32	32	0	0	2	5
		AX122A	Text Analysis and Data Mining	take as an electiv e course	2.0	32	32	0	0	3	5
		BX710A	Innovation Management	take as an electiv e course	2.5	40	40	0	0	3	5
		BX910B	Human Resources Management	take as an electiv e course	2.5	40	40	0	0	3	5
		CB400A	Public Finance	take as an electiv e course	2.5	40	40	0	0	3	5
		AB206A	Asset Evaluation	take as an electiv e course	2.5	40	40	0	0	3	6
		AX310B	Case Studies in Financial Management	take as an electiv e course	2.5	40	40	0	0	3	6
		AX313A	Enterprise Operation Management	take as an electiv e course	2.5	40	40	0	0	3	6
		AX314A	Enterprise Operations Research	take as an electiv e course	2.5	40	40	0	0	3	6
		BX712A	Corporate Governance	take as an electiv e course	2.5	40	32	8	0	3	6

Cour se categ ory	grou p num ber	course code	Course Name	course nature	credit	Gener al School time	give a lecture class hour	experi ment (Practi ce) class hour	Com pute r hour s	Weekly study hours	start class semester	
		AB121A	Introduction to Empirical Research Methods in Finance and Accounting	take as an electiv e course	2.0	32	14	0	18	2	7	
		BX532A	Communication and Writing	take as an electiv e course	1.0	16	16	0	0	1	7	
		BB801A	Marketing	take as an electiv e course	2.5	40	40	0	0	3	7	
		CB403B	Management of Commercial Banks	take as an electiv e course	2.5	40	40	0	0	3	7	
		Subtitle of the group (at least 8 credits must be taken in this group)				38.0	608	582	8	18		
		Subtotals by category										
		YS001A	Military Training	practic e	2.0	+2	0	0	0	2	1	
		BS513B	Cognition Practice	practic e	1.0	+1	0	0	0	1	2	
		9600901B	Project Training B	practic e	2.0	+2	0	0	0	2	3	
		AS802A	Comprehensive Accounting Experiment	practic e	2.0	+2	0	0	0	2	4	
		AS808A	Financial Software Application	practic e	2.0	+2	0	0	0	2	6	
		AS805A	Sand Table in Financial Management	practic e	2.0	+2	0	0	0	2	7	
		BS718A	VBSE Enterprises Operation Comprehensive Training	practic e	1.0	+1	0	0	0	1	7	
		AS811A	Professional Practice	practic e	4.0	+4	0	0	0	4	8	
		AS886B	Graduation Thesis (Design) Thesis	practic e	12	+12	0	0	0	12	8	
Subtotals by category					28.0	28	0	0	0			

9、 Study requirements

1. Course requirements for "Graduation Thesis"

The course of "Graduation Thesis" is conducted in accordance with the "Management Measures for the Four Year Consistent System of Graduation Thesis (Design) at Zhengzhou Aviation Institute" (School Teaching Letter [2019] No. 24), and adopts a "2+2+8" model, with 2 credits in the 4th and 6th semesters and 8 credits in the 8th semester.

2. Personalized course requirements

Personalized course requirements: Group I should take no less than 11.5 credits, Group II should take no less than 8 credits, and core courses related to financial management with asterisks should be prioritized for students.

3. Second Class

As one of the eligibility criteria for graduation, students must complete at least 5 credits for extracurricular activities. The second class activities include six categories: ideological growth, group learning experience, practical services, technological innovation, cultural and sports activities, and skill training. It is required that at least three of the six categories of activities do not score zero. The allocation of credits shall be assessed and implemented in accordance with the "Implementation Measures for the Second Class Transcript System for Undergraduate Students at Zhengzhou University of Aeronautical Industry Management (Trial)".

4. Special focus on aesthetic education

At least 2 credits must be taken in 8 courses including music appreciation, art appreciation, film and television appreciation, drama appreciation, dance appreciation, calligraphy appreciation, opera appreciation, and art introduction.

5. Special Project on Four Histories

The Four Histories Special Program includes the history of the Communist Party of China, the history of New China, the history of reform and opening up, and the history of socialist development. At least one credit must be taken and completed in the first and second year of college.

6. Labor education

Labor education includes two parts: labor education theory courses and labor practice, totaling 32 class hours. The labor education theory course (8 class hours) is based on the compulsory general courses "Basic Principles of Marxism" (4 class hours) and "Ideological and Moral Education and Rule of Law" (4 class hours). Labor practice is offered based on the

compulsory general course "Fundamentals of Innovation and Entrepreneurship" and the public course "Engineering Training B" in the concentrated practical teaching segment. Among them, "Fundamentals of Innovation and Entrepreneurship" offers 8 hours of labor practice, and "Engineering Training B" offers 16 hours of labor practice.

+、The correlation matrix between the curriculum system and graduation requirements

[illegible]

Curriculum system	credit	Graduation Requirement 1		Graduation Requirement 2		Graduation Requirement 3		Graduation Requirement 4		Graduation Requirement 5	Graduation Requirement 6		Graduation Requirement 7		Graduation Requirement 8	Graduation Requirement 9	
		1.1	1.2	2.1	2.2	3.1	3.2	4.1	4.2		6.1	6.2	7.1	7.2		9.1	9.2
the outline of Chinese	3.0			√												√	
Fundamentals of	2.0	√		√	√	√	√			√	√						
College English I (3)	3.0					√		√					√				
Probability theory and	4.0			√			√			√							
College Chinese	2.5									√					√	√	
Introduction to Mao Zedong Thought and the Theoretical System	3.0			√												√	
Introduction to Xi Jinping Thought on Socialism with Chinese	3.0			√													√
College English I (4)	3.0					√		√					√				
linear algebra	2.5						√			√							
employment guidance	1.0														√		
Introduction to Aviation	2.0			√													
Mechanical Manufacturing Engineering	2.0		√						√								
Subject Introduction	1.0	√															
management	3.0		√	√		√			√		√						

Curriculum system	credit	Graduation Requirement 1		Graduation Requirement 2		Graduation Requirement 3		Graduation Requirement 4		Graduation Requirement 5	Graduation Requirement 6		Graduation Requirement 7		Graduation Requirement 8	Graduation Requirement 9	
		1.1	1.2	2.1	2.2	3.1	3.2	4.1	4.2		6.1	6.2	7.1	7.2		9.1	9.2
Principles of Accounting	3.0	√															
Microeconomics	3.0	√						√									
Fundamentals of Commercial Law	2.0	√												√		√	
macroeconomics	3.0	√				√											√
statistics	2.5	√	√				√	√									
Financial Accounting (1)	3.5	√		√			√										
Financial Accounting (2)	2.5	√			√	√											
Enterprise Financial Management (1)	3.0	√	√			√	√				√	√					
Enterprise Financial Management (2)	3.0	√	√			√	√				√	√		√			
Special Topic on Financial Intelligence	1.0	√		√		√		√		√							
Intelligent Financial Analysis	3.0	√		√		√		√		√							
Advanced Financial Management	2.5	√			√	√		√		√					√		
Enterprise Value Assessment	2.0				√		√	√		√					√		
Literature Retrieval and Paper Writing in Financial Management	1.0					√		√		√					√		√

Curriculum system	credit	Graduation Requirement 1		Graduation Requirement 2		Graduation Requirement 3		Graduation Requirement 4		Graduation Requirement 5	Graduation Requirement 6		Graduation Requirement 7		Graduation Requirement 8	Graduation Requirement 9	
		1.1	1.2	2.1	2.2	3.1	3.2	4.1	4.2		6.1	6.2	7.1	7.2		9.1	9.2
military training	2.0								√		√					√	
Cognitive Internship	1.0	√		√											√		√
Engineering Training B	2.0				√	√					√					√	
Accounting Comprehensive Experiment	2.0		√		√	√											
Professional Internship	4.0		√			√			√		√						
VBSE Cross disciplinary Comprehensive	1.0		√	√		√			√		√						
Financial Software Application	2.0	√							√		√						
Financial Management Sand Table Experiment	2.0	√						√		√		√				√	
Graduation Thesis (Design)	12.0	√			√			√		√				√	√	√	√

Note: Supporting relationships are represented by "√" respectively.