

金融学专业辅修学士学位培养方案

Double Degree Training Scheme for Finance

Major

一、培养目标 Objectives

培养掌握经济管理专业知识，了解中外管理文化，具备运用经济管理分析工具解决实际问题能力的经济管理复合型人才。

Cultivate compound talents who have the professional knowledge of economic management, understand Chinese and foreign management culture, and own the ability to use economic management analysis tools to solve practical problems.

金融学专业旨在培养既熟悉金融理论知识，又掌握金融业务技术，并具有一定的研究能力的实务型和研究型相结合的复合型金融人才，满足银行、证券、保险及企业、事业单位的金融专业人才需求。作为从事财务管理、金融分析的高素质复合型现代金融人才，本专业学生应具有良好的职业道德和素养，解决金融实务问题的技能，设计、开发综合运用各种金融工具的能力，以及可以开展金融风险、公司理财、投资战略策划以及金融产品定价研究的能力。

The purpose of finance specialty is to train compound financial talents who are familiar with both financial theory and financial business technology, and have research ability, combining practical and research, to meet the needs of financial professionals in banks, securities, insurance, enterprises and institutions. As a high-quality compound modern financial talent engaged in financial management and financial analysis, the students of this major should have good professional ethics and accomplishment, the skills to solve financial practical problems, the ability to design and develop comprehensive use of various financial instruments, and the ability to carry out financial risk management, corporate financial management, investment strategy planning and pricing research.

二、培养要求 Requirement

1. 专业知识：具备扎实的数学和经济学的理论基础，熟练掌握投资学、金融市场学、风险管理等金融理论知识，能够运用计量经济学知识进行金融建模解

决各类金融实务问题，迅速适应和胜任金融市场实际工作需要。

1. Professional knowledge: students have a solid theoretical foundation of mathematics and economics, and have a good command of financial theoretical knowledge such as investment, financial marketing, risk management, etc. They could able to apply econometrics knowledge to set financial model for solving various financial practical problems, they quickly adapt to and be competent for the practical work of the financial market.

2. 问题分析：具有法学、经济学、管理学相结合的复合型知识能力和技术，能够运用统计学、经济学和金融学的基本原理，识别、表达、并通过文献研究分析复杂的金融问题。具备独立思考的能力，对我国和国际金融行业的发展趋势具备一定独到的见解。具有逻辑思维能力，分析问题、解决问题的能力。

2. Problem analysis: students in finance should be with compound knowledge and technology of law, economics and management, apply basic principles of statistics, economics and finance, and identify, express and analyze complex financial problems through literature research. They also should have the ability of independent thinking, some unique views on the development trend of Chinese and international financial industry. Analytical thinking, able to logically analyze and frame problems.

3. 设计/研发金融产品：能够通过收集各类信息及市场调研，分析国内外金融市场的供需现状和发展趋势，初步掌握现代金融工程的设计过程，根据金融数据和问题的特征，通过金融建模对数据进行处理与分析，设计出可以满足用户基本诉求的金融产品，并可以对金融产品进行定价。

3.Design/development of financial products: Students in finance should analyze domestic and foreign financial market situation and development trend of supply and demand by collecting all kinds of information and market research. they should preliminary master modern financial engineering design process, and design and price financial products that satisfy the users 'basic demands according to the features of financial data and problems and financial modeling for data processing and analysis.

4. 研究：了解本学科的理论前沿和发展动态，能够采用计量经济、统计等科学分析方法，对金融专业相关问题进行研究，可以通过金融建模、分析与解释数据得到合理有效的结论。经济与管理知识的运用能力。

4. Research: students should understand the theoretical frontier and development trends of this discipline; they are able to use econometrics, statistics and other scientific analysis methods to study relevant issues of finance, and reach reasonable and effective conclusions through financial modeling, analysis and data interpretation. Ability to apply knowledge of economics and management.

5. 使用现代工具：能够针对金融相关问题，选择并使用恰当的技术、工具和方法，并掌握金融风险管理、金融产品设计所需的专业金融数据库和金融计量学软件包和工具箱，对数据进行处理和分析。数据分析与处理能力。

5. Use of modern tools: Students should be able to select and use appropriate technologies, tools and methods for financial related issues, and master professional financial database, financial metrology software package and toolbox needed for financial risk management and financial product design , and learn to process and analyze data. Data analysis and processing.

6. 金融与社会：熟悉国家有关的金融法律、法规、方针与政策及国际金融领域内的交易惯例和规则，了解金融领域的理论前沿以及其发展趋势，能够基于金融相关背景知识进行合理地分析，评价金融相关问题对社会、安全、法律以及文化的影响，并理解应承担的责任。国际化意识。

6. Finance and social: students should be familiar with the related financial laws and regulations, principles and policies, and trade practices and rules in the field of international financial, students also should understand the theoretical frontier in the field of finance and its development trend, they could carry on the reasonable analysis based on financial related background knowledge, evaluate the effect of related social financial issues on social ,safety, legal and cultural , and understand the responsibility. Awareness of Internalization.

7. 职业规范：作为卓越的金融领域后备人才，本专业毕业生除了应具备本专业技术知识和能力以外，还应具有人文社会科学素养、社会责任感，能够理解并遵守金融业务人员的职业道德和行业规范，履行其职责和义务。

7. Professional standards: as outstanding reserve talents in the financial field, graduates of finance should not only have professional technical knowledge and ability, but also have humanistic and social scientific quality , social responsibility, they are able to understand and abide by the professional ethics and industry standards of financial professionals, and perform

their duties and obligations.

8. 个人和团队：具有妥善处理人际关系、正确地开展社会交往、解决现实问题和矛盾的能力，并具备团队合作的精神，加强团队成员间的合作与沟通，实现有效的交流与反馈。能够在多学科背景下的团队中承担个体、团队成员以及负责人的角色。

8. Individuals and teams: students in finance have the ability to handle interpersonal relations properly, correctly carry out social communication, solve practical problems and contradictions, and have the spirit of teamwork, strengthen cooperation and communication among team members for achieving effective communication and feedback. They are able to assume the roles of individual, team member and leader in a multi-disciplinary team.

9. 沟通：具备良好的人际交往技能、团队协作和沟通能力，能够就金融问题与业界同行及社会公众进行有效沟通 and 交流，包括撰写报告和设计文稿、陈述发言，并具备一定的国际视野，能够在跨文化背景下进行沟通和交流。沟通、人际关系与团队协作能力。

9. Communication: students in finance should have good interpersonal skills, teamwork and communication skills, and are able to communicate effectively with peers in finance and the public on financial issues, including writing reports, designing documents, presenting speeches, and with a certain international perspective. They could communicate in a cross-cultural context. Communication, interpersonal relations and team work, able to effectively communicate orally and in writing, and able to work effectively with others and in team environments.

10. 终身学习：具有自主学习和终身学习的意识，不断学习和了解金融行业的现状和发展趋势，并具有开阔的国际视野以及良好适应发展的能力。

10. Lifelong learning: students in finance should have the consciousness of self-learning and lifelong learning, keep learning and understanding the current situation and development trend of the financial industry, and they also have a broad international vision and the ability of development.

三、学分要求 Credits Requirements

学分要求：选本专业为辅修双学位的学生原则上应预修 10 学分以上高等数学（I、II），修满本专业基础课 15 学分、专业核心课程 21 学分；答辩通过 6 学分毕业设计（论文）环节，符合《西南交通大学学士学位授予工作细则》和《西南交通大学本科生辅修与双学位管理办法》规定者，方可授予本专业双学位证书

Credit requirements: students who choose this major as a minor should take more than 10 credits of advanced mathematics (I, II), and complete 15 credits of basic courses, 15 credits of core courses and 6 credits of specialized courses. Those who have completed and passed the 6-credit graduation design (thesis) in the oral defense and are in line with “the regulations on the awarding of bachelor's degree of Southwest Jiaotong University” and “the regulations on the administration of undergraduate minor and double degree of Southwest Jiaotong University” are eligible to be awarded the double degree certificate of this major.

四、学位 Degree

学位：经济学学士

Degree: Bachelor of economics

五、课程设置 Course Programs

课程类型 Course Type	课程名称 Course Name	课程性质 Nature of Course	学分 Credits	开课学期 Semester	开课学院 School	备注 Notes
专业基础课 Professional Foundational Courses 必修 15 学分	微观经济学 Microeconomics	必修 Compulsory	3	第 1 学期 Semester 1	经管学院 School of Economics and Management	
	宏观经济学 A Macroeconomics A	必修 Compulsory	3	第 2 学期 Semester 2	经管学院 School of Economics and Management	
	应用统计 Applied statistics	必修 Compulsory	3	第 3 学期 Semester 3	经管学院 School of Economics and Management	
	财务管理 B Financial management B	必修 Compulsory	3	第 3 学期 Semester 3	经管学院 School of Economics and Management	
	计量经济学 Econometrics	必修 Compulsory	3	第 4 学期 Semester 4	经管学院 School of Economics and Management	

专业核心课程 Specialized Core Course 必修 21 学分	金融市场学 Financial Marketing	必修 Compulsory	3	第 3 学期 Semester 3	经管学院 School of Economics and Management	
	证券投资分析 Securities investment	必修 Compulsory	3	第 5 学期 Semester 5	经管学院 School of Economics and Management	
	货币银行学 Monetary Economics	必修 Compulsory	3	第 5 学期 Semester 5	经管学院 School of Economics and Management	
	金融工程导论 Introduction of financial engineer	必修 Compulsory	3	第 5 学期 Semester 5	经管学院 School of Economics and Management	
	金融计量 Financial Econometrics	必修 Compulsory	3	第 6 学期 Semester 6	经管学院 School of Economics and Management	
	Python 金融应用程序 设计 Financial application and design in Python	必修 Compulsory	3	第 6 学期 Semester 6	经管学院 School of Economics and Management	
	行为金融学 Behavioral Finance	必修 Compulsory	3	第 6 学期 Semester 6	经管学院 School of Economics and Management	
毕业设计（论 文） 必修 6 学分	毕业设计与论文 Graduation Design or Thesis	必修	6	第 8 学期 Semester 8	经管学院 School of Economics and Management	
总学分 Total Credits			42			