

金融学

Finance

专业代码：020301K

学 制：4 年

Program Code: 020301K

Duration: 4 years

培养目标：

本专业培养坚持社会主义道路，德智体全面发展，掌握扎实的经济与管理基础理论，熟悉金融实际业务，具有较强的数据分析能力和外语应用能力，熟练运用计算机等现代化工具，适应社会经济发展和金融服务需求的复合型金融人才。

Educational Objectives:

The program of Finance cultivates students to stick to the socialist road, develop morally, intellectually and physically so that they could have solid foundation, high professional quality, strong data analysis capability, fluent English, skilled computer technology, as well as high caliber of social adaptability, become inter-disciplinary talents.

毕业要求：

№1. 知识基础：掌握扎实的经济金融专业理论基础和宽广的知识面，能够将本专业的基础知识用于经济金融实际问题的分析，并接触和掌握金融行业部分企业的营运知识，为解决金融企业实际业务问题打下知识基础。

№2. 问题分析：能够应用经济学的基础知识、本专业基本原理、数据分析方法和金融行业的营运知识，识别、表达、并通过文献研究分析金融实际问题，以获得有效结论。

№3. 设计/开发解决方案：能够设计针对经济金融问题的解决方案，设计满足特定金融服务需求的简单金融解决方案，并能够在设计环节中体现创新意识。

№4. 研究：能够基于科学原理并采用科学方法对经济金融的实际问题进行研究，包括经济金融数据分析与解释、并通过信息综合得到合理有效的结论。

№5. 使用现代工具：能够针对经济金融问题，选择与使用恰当的技术、资源和信息技术工具，包括对经济金融问题的分析与预测，并能够理解其局限性。

№6. 金融与社会：能够基于金融专业的背景知识评价金融事件，明白金融实际问题的解决方案对社会、经济、法律以及文化的影响，并理解应承担的责任。

№7. 环境和可持续发展：能够理解和评价金融活动对环境、社会可持续发展的影响。

№8. 职业规范：具有良好的道德修养和社会责任感，能够在金融工作中理解并遵守职业道德和规范，履行责任。

№9. 个人和团队：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。

№10. 沟通：能够就金融复杂问题与业界同行及社会公众进行有效沟通和交流，包括撰写报告和

设计文稿、陈述发言、清晰表达或回应指令，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。

№11.项目管理：理解并掌握经济金融原理与经济决策方法，并能在多学科环境中应用。

№12.终身学习：具有自主学习和终身学习的意识，有不断学习和适应发展的能力。

Student Outcomes:

№1.Economic Knowledge: Have good foundation of economics and finance, and have the ability to apply knowledge of economics and finance to the economic practical problems.

№2.Problem Analysis: An ability to identify, formulate and analyze practical economic problems, reaching to substantiated conclusions using basic principles of economics, finance, and data methods.

№3.Design / Development Solutions: An ability to design solutions for simple financial problems and innovatively design systems, components or process that meet specific financial needs with social, legal, cultural and environmental considerations.

№4.Research: An ability to conduct investigations of economic practical problems based on scientific theories and adopting scientific methods including economic data analysis and synthesis of information to provide valid conclusions.

№5.Applying Modern Tools: An ability to create, select and apply appropriate techniques, resources and IT techniques to predict and model in economic and financial problems, and understand their limitations.

№6.Finance and Society: An ability to assess the financial case with economic and finance theory, understand the solution of financial practical problems and its effect on society, economy, law and culture and bear the responsibility.

№7.Environment and Sustainable Development: An ability to understand and evaluate the impact of professional engineering solutions in environmental and societal contexts and demonstrate knowledge of and need for sustainable development.

№8.Professional Standards: An understanding of ideological and social responsibility, being able to understand and abide by professional ethics and standards responsibly in financial practice.

№9.Individual and Teams: An ability to function effectively as an individual, and as a member or leader in diverse teams and in multi-disciplinary settings.

№10.Communication: An ability to communicate effectively on complex financial problems with the engineering community and with society at large, such as being able to comprehend and write effective reports and design documentation, make effective presentations, give and receive clear instructions, and communicate in cross-cultural contexts with international perspective.

№11.Project Management: Demonstrate knowledge and understanding of economics and finance theory and methods of economic decision-making, to conduct in multidisciplinary environments.

№12.Life-long Learning: A recognition of the need for, and an ability to engage in independent and life-long learning with the ability to learn continuously and adapt to new developments.

专业简介：

金融学本科专业从 1994 年开始招生，现有金融学本科、硕士和博士学位授予权，师资力量雄厚，60%以上的老师具有出国留学、工作经历，学院还聘请了巴曙松等国内外著名学者任兼职教授。经济与贸易学院建设了总面积为 700 平方米专业图书资料室和中外期刊阅览室，购置了经济类中文图书 2 万 5 千多册，外文图书 500 多本，订阅了中外文期刊 170 多种。建设了金融工程实验室、经济建模实验室、电子金融工程实验室三个金融专业实验室，购置了 MATLAB、SASS、STATA、国泰安商业银行综合业务系统、RESSET 金融计算与建模实验平台等实验软件为师生提供了较好的实验、综合实践条件和先进的科研技术平台。

Program Profile:

Finance major of South China University of Technology (SCUT) has been offering admissions to undergraduate students since 1994, and nowadays it has the authority to grant bachelor's degree, master's degree and doctor's degree. The teaching staffs are high-qualified, among whom over 60% have studied abroad or possessed working experiences. Furthermore, several renowned scholars such as Ba Shusong are hired as adjunct professors in School of Economics and Commerce. In School, the specialized reference room and the international journals reading room cover an area of more than 700 square meters, which are equipped with 25000 economics books in Chinese, 500 in foreign languages, and have subscribed more than 170 Chinese and foreign journals. The school also built 3 finance laboratories, namely the Financial Engineering Laboratory, the Economic Modeling Laboratory, and the E-Financial Engineering Laboratory, which equips MATLAB, SASS, STATA, GTA Commercial Bank Integrated Business System, and RESSET/FinCM. The software provides students and faculties with an advanced platform for scientific experiment and comprehensive practices.

专业特色：

金融学专业贯彻“重人品、厚基础、强能力、宽适应”的方针，注重结合理工大学学科基础，强调金融逻辑和数据分析能力，培养专业基础实、理论功底深、综合素质高的创新型、复合型的金融人才。

Program Features:

Finance implement the policy of "thick base, wide-bore, high capacity, high-quality, broad adaptation" in training students, and focus on combining the science foundation of SCUT, emphasizing the logical and data analysis ability in finance area, the training object is to train innovative and inter-disciplinary financial talents who have good special basis, deep theoretic foundation and comprehensive quality.

授予学位：经济学学士学位

Degree Conferred: Bachelor of Economics

主干课程：

政治经济学、微观经济学、宏观经济学、货币银行学、金融学原理、公司金融、国际金融、商业银行经营管理、证券投资分析、金融工程。

Core Courses:

Political Economics, Microeconomics, Macroeconomics, Money and Banking, Principle of Finance, Corporate Finance, International Finance, Commercial Bank Operation and Management, Securities Investment Analysis, Financial Engineering

特色课程：

全英语教学课程：公司金融、国际金融、房地产投资与金融

双语教学课程：商业银行经营管理、证券投资分析

研究型课程：计量经济学、金融经济学

含新生研讨课：社会、科技与金融

专题研讨课：投资理论与实务讲座

MOOC：互联网金融

本研贯通课：中级微观经济学、中级宏观经济学

创业教育课程：创业教育

Featured Courses:

Courses Taught in English: Corporate Finance, International Finance, Real Estate Finance and Investments

Bilingual Courses: Commercial Bank Operation and Management, Securities Investment Analysis

Research Courses: Econometrics, Financial Economics

Freshmen Seminars: Society, Technology and Finance

Special Topics: Investment Theory and Practice

MOOCs: Internet Finance

Baccalaureate-Master's Integrated Courses: Intermediate Microeconomics, Intermediate Macroeconomics

Entrepreneurship Courses: Developmental Entrepreneurship

一、教学计划总体安排表 (General Teaching Schedule)

学 年	学 期	教 学 进 度 安 排 (周)																		理	考	入	军	课	工	电	综	社	生	毕	其	中	毕	就	机	假	小					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	论	学	学	课	程	程	子	合	会	产	业	它	外	业	业	安	排	动	期	计	
		A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R					
一	1		C	A	A	A	A	A	A	A	A	A	A	A	A	A	A	B	D	D	D	14	1	1	3													19				
	2	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	Q	Q	B	B	16	2														2	20				
二	3	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	Q	Q	B	B	16	2														2	20				
	4	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	Q	Q	B	B	16	2														2	20				
三	5	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	Q	Q	B	B	16	2														2	20				
	6	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	I	I	I	B	B	15	2				3											2	20			
四	7	A	A	A	A	A	A	A	A	A	A	A	A	L	L	L	Q	Q	B	B	13	2							3								2	20				
	8	O	O	O	O	O	O	O	O	O	O	O	O	O	Q	Q	Q	Q	Q	Q	Q													14	6		20					
合 计 (周)																		105	14	1	3					3			3												16	159

二、各类课程学分登记表 (Registration Form of Curriculum Credits)

1. 学分统计表 (Credits Registration Form)

课程类别 Course Category	课程要求 Requirement	学分 Credits	学时 Academic Hours	备注 Remarks
公共基础课 General Basic Courses	必修 Compulsory	48.0	700	
	通识 General Education	10.0	160	
学科基础课 Disciplinary Basic Courses	必修 Compulsory	32.0	528	
	选修 Elective	12.0	192	
专业领域课 Specialty-related Courses	必修 Compulsory	30.0	512	
	选修 Elective	12.0	192	
合 计 Total		144.0	2284	
集中实践教学环节 (周) Practice Training (Weeks)	必修 Compulsory	25.0	25 周	
毕业学分要求 Credits Required for Graduation	144.0+25.0=169.0			

备注：学生在取得专业教学计划规定学分的同时，还必须取得第二课堂 2 个人文素质教育学分和 4 个创新能力培养学分。

2.类别统计表 (Category Registration Form)

学时 Academic Hours					学分 Credits						
总学时数 Total	其中 Include		其中 Include		总学分数 Total	其中 Include		其中 Include			其中 Include
	必修学时 Compulsory	选修学时 Elective	理论教学学时 Theory Course	实验教学学时 Lab		必修学分 Compulsory	选修学分 Elective	集中实践教学环节学分 Practice-concentrated Training	理论教学学分 Theory Course Credits	实验教学学分 Lab	创新创业教育学分 Innovation and Entrepreneurship Education
2284	1740	544	2064	220	169	135	34	25	137	7	10

三、专业教学计划表 (Teaching Schedule)

类别 Course Category	课程 代码 Course No.	课程名称 Course Title	是否 必修 C/E	学时数 Total Curriculum Hours				学分 Credits	开课 学期 Semester	毕业 要求 Student Outcomes	
				总学 时 Class Hours	上机 Computer-ai ded Class Hours	实验 Lab Hours	实践 Practice Hours				
公共 基础 课 General Basic Courses	143091	中国近现代史纲要 Skeleton of Chinese Modern History	必修 课 C	(32) 24				2.0	1	№8	
	143093	思想道德修养与法律基础 Cultivation of Thought and Morals & Fundamental of Law		(40) (36)				2.5	2	№8	
	143090	马克思主义基本原理 Fundamentals of Marxism Principle		(40) 36				2.5	3	№8	
	143106	毛泽东思想和中国特色社会主义理论体系概论 Thought of Mao ZeDong and Theory of Socialism with Chinese Characteristics		(80) 48				5.0	4	№8	
	143094	形势与政策 Analysis of the Situation & Policy		(128)				2.0	1-8	№8	
	144001	大学英语 (一) College English(1)		64				4.0	1	№10	
	144002	大学英语 (二) College English(2)		64				4.0	2	№10	
	145223	大学计算机基础 Foundations of Computer		32				2.0	1	№5	
	152001	体育 (一) Physical Education (1)		32			32	1.0	1	№12	
	152002	体育 (二) Physical Education (2)		32			32	1.0	2	№12	
	152003	体育 (三) Physical Education (3)		32			32	1.0	3	№12	
	152004	体育 (四) Physical Education (4)		32			32	1.0	4	№12	
	106001	军事理论 Military Principle		(16)				1.0	2	№9	
	140191	微积分 II (一) Calculus(1)		80				5.0	1	№4	
	140192	微积分 II (二) Calculus(2)		80				5.0	2	№4	
	140197	线性代数与解析几何 Linear Algebra & Analytic Geometry		48				3.0	1	№4	
	140019	概率论与数理统计 Probability & Mathematical Statistics		48				3.0	2	№4	
	145270	计算机网络技术及应用 Computer Network Technology and Applications		48				3.0	2	№5	
		人文科学领域 Humanities		64	通识 课 E				4.0		№8
		社会科学领域 Social Science		32					2.0		№8
	科学技术领域 Science and Technology	64					4.0(2)		№8		
合 计 Total				860			128	58.0			

三、专业教学计划表（续）（Teaching Schedule）

类别 Course Category	课程 代码 Course No.	课程名称 Course Title	是否 必修 C/E	学时数 Total Curriculum Hours				学分 数 Credits	开课 学期 Semester	毕业 要求 Student Outcomes
				总学时 Class Hours	上机 Computer-ai ded Class Hours	实验 Lab Hours	实践 Practice			
学科基础课 Disciplinary Basic Courses	168390	社会、科技与金融 Society, Technology and Finance	必 C	32				2.0	1	№6,7,10
	168415	政治经济学 Political Economics	必 C	48				3.0	1	№1,2
	174001	微观经济学 Microeconomics	必 C	64				4.0	1	№1,2
	174002	宏观经济学 Macroeconomics	必 C	64				4.0	2	№1,2
	174110	货币银行学 II Money and Banking II	必 C	48				3.0	2	№1,2,6,8
	175010	会计学原理 Principle of Accounting	必 C	48				3.0	3	№1,2,9,12
	168159	金融学原理 Principle of Finance	必 C	48				3.0	3	№1,2,3,6,9,11
	174005	统计学 Statistics	必 C	60	16			3.0	3	№1,2,3,4,5
	168208	经济法 Economic Law	必 C	48				3.0	4	№1,2,4
	168048	计量经济学 Econometrics	必 C	52	12			3.0	5	№1,3,4,5
	168425	毕业设计（论文）专题讲座 Series of Lectures on Graduation Thesis (design)	必 C	16				1.0	6	№1,2
	175113	管理学原理 The Principle of Management	选 E	48				3.0	2	№1,2,4
	168416	金融法规与金融职业道德讲座 Financial Regulations and Financial Professional Ethics	选 E	16				1.0	3	№1,6,8
	168188	中级微观经济学 Intermediate Microeconomics	选 E	64				4.0	3	№1,2,5
	174068	财政学 Public Finance	选 E	48				3.0	3	№1,2,4
	168192	市场营销学 Principles of Marketing	选 E	48				3.0	3	№1,2
	168200	博弈论基础 Game Theory	选 E	48				3.0	4	№6,9,10
	168246	中级宏观经济学 Intermediate Macroeconomics	选 E	64				4.0	4	№1,2,5
	174015	国际贸易实务 International Trade Practice	选 E	56		16		3.0	4	№2,6,7,8,9,10
	168454	公文写作 Official Document Writing	选 E	32				2.0	4	№1,3,8
168477	批判性思维	选 E	32				2.0	6		
		合计 Total	必 C	528	28			32.0		
			选 E	选修课修读最低要求 12.0 学分 minimum elective course credits required:12						
专业选修课 Specialty-related Courses	168447	会计实验 Accounting Experiment	必 C	32		32		1.0	3	№1,2,5,9
	168139	财务报表分析 Analysis of Financial Statements	必 C	48				3.0	4	№2,3,4,12
	168406	公司金融 Corporate Finance	必 C	64				4.0	5	№1,2,3,4,5
	168176	金融工程 Financial Engineering	必 C	48				3.0	5	№1,2,12

168446	商业银行经营管理 Commercial Bank Operation and Management	必 C	48				3.0	5	№1,2,5,8,9,12
168364	金融计算与金融数据处理 Financial Computation and financial data processing	必 C	64	32			3.0	5	№1,2,3,4,5
174036	证券投资分析 Securities Investment Analysis	必 C	48				3.0	5	№1,2,5,6
168204	金融风险管理 Financial Risk Management	必 C	48				3.0	6	№1,2,5,6
168308	国际金融 International Finance	必 C	48				3.0	6	№1,2,4,5,6,9
174109	投资理论与实务讲座 Investment Theory and Practice	必 C	16				1.0	6	№1,2,5
174093	投资银行学 Investment Banking	必 C	48				3.0	6	№1,2,3,4,6
174063	保险学原理 Principles of Insurance	选 E	48				3.0	4	№1,2,3,6,9,11
174082	金融市场学 Financial Market	选 E	48				3.0	4	№1,2,3,6,9,11
168445	金融经济学 Financial Economics	选 E	48				3.0	4	№1,2,3,4,5
168210	国际结算 International Settlement	选 E	56	16			3.0	6	№1,2,3,6,9,11
168213	银行会计 Bank Accounting	选 E	48				3.0	6	№1,2,5,8,9,12
174105	房地产投资与金融 Real Estate Finance and Investments	选 E	48				3.0	6	№1,2,7
168399	固定收益证券 Fix income securities	选 E	32				2.0	6	№1,2,5,6
168448	个人理财 Personal Finance	选 E	16				1.0	6	№1,2,3
168449	量化投资 Quantitative Investment	选 E	16				1.0	6	№1,2,5,6
168295	数据挖掘 Data Mining	选 E	56	16			3.0	6	№1,2,3,4,5
168428	创业教育 Developmental Entrepreneurship	选 E	32				2.0	6	№1,2,3
168203	行为金融 Behavioral Finance	选 E	32				2.0	7	№1,2,3,4,5
168325	中央银行学 Central Banking	选 E	48				3.0	7	№1,2,4,5,6,9
174091	公司治理 Corporate Governance	选 E	32				2.0	7	№1,2,6
168450	互联网金融 Internet Finance	选 E	56	8			3.5	7	№1,2,4
120003	创新研究训练 Innovation Research Training	选 E	32				2.0		№4,12
120004	创新研究实践 I Innovation Research Practice I	选 E	32				2.0		№4,12
120005	创新研究实践 II Innovation Research Practice II	选 E	32				2.0		№4,12
120006	创业实践 Entrepreneurial Practice	选 E	32				2.0		№4,12
合 计 Total		必 C	512	32	32		30.0		
		选 E	选修课修读最低要求 12.0 学分 minimum elective course credits required:12						

备注：学生根据自己开展科研训练项目、学科竞赛、发表论文、获得专利和自主创业等情况申请折算为一定的专业选修课学分（创新研究训练、创新研究实践 I、创新研究实践 II、创业实践等创新创业课程）。每个学生累计申请为

专业选修课总学分不超过 4 个学分。经学校批准认定为选修课学分的项目、竞赛等不再获得对应第二课堂的创新学分。

四、集中实践教学环节(Practice-concentrated Training)

课程代码 Course No	课程名称 Course Title	是否必修 C/E	学时数 Total Curriculum Hours		学分数 Credits	开课学期 Semester	毕业要求 Student Outcomes
			实践 Practice weeks	授课 Lecture Hours			
106002	军训 Military Training	必 C	3 周		3.0	1	N ₉
143197	马克思主义理论与实践 Marxism Theory and Practice	必 C	2 周		2.0	假期	N ₉
168451	证券投资模拟交易实验 Securities Investment Imitating Analysis	必 C	1 周		1.0	6	N _{1,2,3,4,5}
168452	商业银行柜面业务模拟交易实验 Simulated Trading of Banking Services	必 C	1 周		1.0	6	N _{1,2,3,5,8,9}
168453	中国股市情绪指标体系的设计实验 Investor Sentiment Index in Stock Market	必 C	1 周		1.0	6	N _{1,2,3,5,8,9}
168091	毕业实习 Graduation Practice	必 C	3 周		3.0	7	N _{2,3,4,5,6,8}
168069	毕业设计（论文） Final Year Project (Thesis)	必 C	14 周		14.0	8	N _{1,2,3,4,9,11,12}
合计 Total		必 C	25 周		25.0		
		选 E	选修课修读最低要求 0 学分 minimum elective course credits required:0				

五、第二课堂

第二课堂由人文素质教育和创新能力培养两部分组成。

1.人文素质教育基本要求

学生在取得专业教学计划规定学分的同时，还应结合自己的兴趣适当参加课外人文素质教育活动，参加活动的学分累计不少于 2 个学分。

2.创新能力培养基本要求

学生在取得本专业教学计划规定学分的同时，还必须参加国家创新创业训练计划或广东省创新创业训练计划或 SRP（学生研究计划）或百步梯攀登计划或一定时间的各类课外创新能力培养活动（如学科竞赛、学术讲座等），参加活动的学分累计不少于 4 个学分。

5.“Second Classroom” Activities

“Second Classroom” Activities are comprised of two parts, Humanities Quality Education and Innovative Ability Cultivation.

1)Basic Requirements of Humanities Quality Education

Besides gaining course credits listed in one’s subject teaching curriculum, a student is required to participate in extracurricular activities of Humanities Quality Education based on one’s interest, acquiring no less than two credits.

2)Basic Requirements of Innovative Ability Cultivation

Besides gaining course credits listed in one's subject teaching curriculum, a student is required to participate in any one of the following activities: National Undergraduate Training Programs for Innovation and Entrepreneurship, Guangdong Undergraduate Training Programs for Innovation and Entrepreneurship, Student Research Program (SRP), One-hundred-steps Innovative Program, or any other extracurricular activities of Innovative Ability Cultivation that last a certain period of time (e.g. subject contests, academic lectures), acquiring no less than four credits.