

南京邮电大学

# 2019级留学生培养方案

## Degree Map for 2019 International Students



南京邮电大学  
海外教育学院整理  
二〇一九年八月

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# 2019 级本科国际生“计算机科学与技术”专业 培养方案

所属学院：	计算机学院	标准学制：	四年
学科门类：	工学	专业代码：	080901
专业门类：	计算机类	授予学位：	工学学士
适用年级：	2019 级国际生	专业负责人：	王海艳

## 一、培养目标

本专业培养具备良好的人文科学素养、职业道德和社会责任感，掌握系统的数学、自然科学基础知识和计算机专业知识，富有创新意识、科学研究能力、工程实践能力、终身学习能力和国际视野，具有良好的沟通能力、团队合作精神和组织管理能力，能在计算机科学与技术领域内从事计算机软硬件系统的设计、开发、测试和维护等工作的专门技术人才。具体达到如下五个目标：

(1) 具有良好科学文化素养和职业道德，以及职业相关的经济、管理和法律知识。

(2) 具有扎实的计算机科学与技术领域基础理论、宽阔的专业视野，具有设计、开发计算机软硬件系统能力，能够用系统观点分析和处理科学技术问题。

(3) 能够解决计算机科学与技术领域的复杂工程问题，承担计算机软硬件系统的研发、维护和技术管理工作，成为所在单位技术业务骨干。

(4) 具有创新意识、协作精神和国际视野，具备在团队中分工协作、交流沟通的能力，以及发挥领导作用的能力。

(5) 能够通过继续教育或其他学习渠道更新知识，实现能力和技术水平的提升。具有将专业知识用于解决具体复杂工程问题的实践能力和不断学习适应社会发展和行业竞争的能力。

## 二、培养规格

为了达到本专业的培养目标，确定了本专业的毕业生必须达到以下要求：

毕业要求1 工程知识：能够将数学、自然科学、工程基础和专业知用于解决计算机科学与技术领域中计算机理论与应用方面的复杂工程问题。

毕业要求2 问题分析：能够应用数学、自然科学和工程科学的基本原理，识别、表达、并通过文献研究分析计算机理论与应用方面的复杂工程问题，以获得有效结论。

毕业要求3 设计/开发解决方案：能够设计针对计算机及应用领域复杂工程

问题的解决方案，设计满足特定指标要求的软硬件系统，并能够在设计过程中体现创新意识，考虑社会、健康、安全、法律、文化以及环境等因素。

毕业要求4 研究：能够基于科学原理并采用科学方法对计算机及应用领域复杂工程问题进行研究，包括设计实验、分析与解释数据、并通过信息综合得到合理有效的结论。

毕业要求5 使用现代工具：能够针对复杂工程问题，开发、选择与使用恰当的技术、资源、现代工程工具和信息技术工具，包括对计算机及应用领域复杂工程问题的预测与模拟，并能够理解其局限性。

毕业要求6 工程与社会：能够基于计算机科学与技术背景知识进行合理分析，评价专业工程实践和复杂工程问题解决方案对社会、健康、安全、法律以及文化的影响，并理解应承担的责任。

毕业要求7 环境和可持续发展：能够理解和评价计算机及应用领域的复杂工程问题的专业工程实践对环境、社会可持续发展的影响。

毕业要求8 职业规范：具有人文社会科学素养、社会责任感，能够在计算机科学与技术领域工程实践中理解并遵守工程职业道德和规范，履行责任。

毕业要求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。

毕业要求10沟通：能够就计算机理论与应用领域的复杂工程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。

毕业要求11 项目管理：理解并掌握工程管理原理与经济决策方法，并能在多学科环境中应用。

毕业要求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。

### **三、主干学科与交叉学科**

主干学科：计算机科学与技术

交叉学科：软件工程、网络空间安全、信息与通信工程

### **四、核心课程**

C 语言程序设计，计算机科学与技术导论，电路分析基础，数字电路与逻辑设计，电工电子实验，JAVA 程序设计，概率统计和随机过程，离散数学，数据结构，计算机组成与结构，操作系统，计算机通信与网络，嵌入式系统与开发，

计算机图形学，软件工程，数据库系统，编译原理，算法设计与分析，信息安全技术，微机原理与接口技术，物联网技术。

### 五、方向及特色

本专业设以下两个专业方向：

计算机科学方向：注重数据结构、算法设计与分析、计算机通信与网络、计算机组成与结构、计算机图形学等基础理论知识的培养，培养学生从事计算机科学理论的研究和应用；

计算机工程方向：注重嵌入式系统开发技术、物联网技术、软件工程等基本知识及技能，培养学生系统软件设计与项目实施能力。

### 六、毕业学分及比例要求

课程模块	学分及比例	其中 实验实践学分
通识基础	49.5	5
学科基础	16	3.5
专业基础	25	5
专业课程	10	1
综合素质课	12	0
集中实践类	18	18
汇总	130.5/100%	32.5/24.9%

# Undergraduate Program of Computer Science and Technology (for 2019 International Students)

		<b>Standard</b>	
<b>School:</b>	School of Computer Science	<b>Educational System:</b>	Four Years
<b>Discipline:</b>	Engineering	<b>Major Code :</b>	080901
<b>Specialty:</b>	Computer	<b>Academic Degree:</b>	Bachelor of Engineering
<b>Grade</b>	2019 International Students	<b>Discipline Leader:</b>	Wang Haiyan
<b>Applicable:</b>			

## I. Training Objectives

This major cultivates specialized technical personnel who meet the need of information society and knowledge economy era, comprehensively develop in aspects as moral, intellectual, physical all-round way, master the basic theories and technologies of computer science, have the ability to analyze and solve problems with innovative spirit, have good professional ethics quality, communication ability and team cooperation ability as well as lifelong learning ability and global vision. More specifically, the following five goals should be achieved:

(1) Have a good scientific and cultural literacy and professional ethics, as well as economic, managerial and legal knowledge related to professions.

(2) Have solid basic theories in the field of computer science and technology, have broad professional vision, the ability to design and develop computer software and hardware systems and the ability to analyze and deal with scientific and technological problems in a systematic view.

(3) Be able to solve complex engineering problems in the field of computer science and technology, undertake the research, development, maintenance and technical management of computer software and hardware systems, and become the technical backbone of the unit.

(4) Have a sense of innovation, the spirit of cooperation and the global vision, and have the ability of division, collaboration and communication in a team, as well



as the ability to play a leading role.

(5) Be able to update knowledge through continuing education or other learning approaches , so as to improve technical ability. Have the practical ability to apply professional knowledge to solve specific complex engineering problems and to keep learning to adapt to social development and industrial competition.

## II. Cultivation specification

In order to achieve the training objectives, the graduates of this major must meet the following requirements:

- a. Engineering knowledge: Be able to apply natural science, engineering fundamentals and specialized knowledge to complex engineering problems in computer theory and application in the field of computer science and technology.
- b. Problem analysis: Be able to apply the basic principles of natural science and engineering science to acknowledge and describe complex engineering problems in aspects of computer theories and applications, analyze these problems through literature research and gain effective conclusions.
- c. Design/develop solutions: Be able to design solutions to complex engineering problems in the field of computer applications; design software and hardware systems that meet the requirements of specific indicators, and be innovative in the designing process, meanwhile consider social, health, security, legal, cultural and environmental factors.
- d. Conduct research: Be able to conduct research on complex engineering problems in the field of computer applications based on scientific principles and methods, including designing experiments, analyzing and interpreting data, and drawing reasonable and effective conclusions through information synthesis.
- e. Use modern tools: Be able to develop, select, and use appropriate technologies, resources, modern engineering tools, and information technology tools for complex engineering problems, including prediction and simulation of complex engineering problems in the field of computer applications, and be able to understand their limitations.
- f. Engineering and society: Be able to conduct reasonable analysis based on the knowledge of computer science and technology, evaluate the impact of professional engineering practices and complex engineering problem solutions on society, health, safety, law and culture, and understand the responsibilities that should be taken.

- g. Environmental and sustainable development: Be able to understand and evaluate the impacts of complex engineering problems in the field of computing applications on environmental and social sustainability.
- h. Professional standards: Have humanistic and social science quality, social responsibility; be able to understand and abide by engineering professional ethics and standards, and fulfill responsibilities in engineering practice in the field of computer science and technology.
- i. Individuals and teams: Be able to assume the roles of individual, team member, and leader in a multi-disciplinary team.
- j. Communication: Be able to communicate effectively with industry peers and the public on complex engineering problems in the field of computer theory and application, including writing reports, designing documents, presenting speeches, clearly expressing and responding to instructions. Have a global perspective and be able to communicate in a cross-cultural context, especially in China.
- k. Project management: Understand and master project management principles and economic decision-making methods, and be able to apply them in a multi-disciplinary environment.
- l. Lifelong learning: Have the consciousness of independent learning and lifelong learning, and the ability to learn continuously and to adapt to development.

### III. Main discipline and cross-discipline

Main discipline: Computer Science and Technology

Cross-discipline: Software Engineering, Cyberspace Security, Information and Telecommunication Engineering

### IV. Core courses

C Programming, Introduction to Computer Science and Technology, Circuit Analysis, Digital Circuits and Logic Design, Electrotechnical and Electronic Experiment, Java Programming, Probability Statistics and Random Process, Discrete Mathematics, Data Structures, Computer Organization, Operating System, Computer Communications and Networks, Embedded System and Development, Computer Graphics, Software Engineering, Database Systems, Compiler Principles, Design and Analysis of Algorithms, Technology of Information Security, Microcomputer principle and interface technology, Internet of Things Technology.

## V. Professional direction and features

This major has the following two professional directions:

1. Computer science: focus on data structures, algorithm design and analysis, computer telecommunication and network, computer organization and architecture, computer graphics and other basic theoretical knowledge training, training students to engage in the scientific research and practical application of computer science theory;
2. Computer engineering: focus on embedded system and development, Internet of Things, software engineering and other basic knowledge and skills, cultivating students' abilities of engineering application software design and project implementation.

## VI. Graduate credits and proportion requirements

Curriculum Category	Credits and Proportions	Credit and Proportion	Credits of Experimental Practice
General Basis		49.5	5
Subject Basis		16	3.5
Professional Basis		25	5
Professional Courses		10	1
Integrated Quality Courses		12	0
Regular Practice		18	18
Total		130.5/100%	32.5/24.9%

# 2019 级来华留学本科生计算机专业培养计划

## Bachelor Degree Map for Computer Science

专业名称 (Major) : 计算机科学 Computer Science

本计划按照学分制实施。

总学分 (Total Credits) : 130.5

课程类别 Category	课程名称 Courses	考核 Exam/ Check	学分 Credit	学时 Credit Hours			学期 Semester							开课单位 Teaching Faculty	选课要求 Catalogue	
				总计 Total	讲课 Lecture	实践 Practice	1	2	3	4	5	6	7			
通识基础 General Basis	* 汉语 I Chinese I	考试 Exam	4	64	64		4								外语院	必修 Compulsory
	* 汉语 II Chinese II	考试 Exam	4	64	64			4							外语院	必修 Compulsory
	* 汉语 III Chinese III	考试 Exam	4	64	64				4						外语院	必修 Compulsory
	* 汉语 IV Chinese IV	考试 Exam	4	64	64					4					外语院	必修 Compulsory
	中国概况 I Chinese society and culture I	考查 Check	2	32	32		2								外语院	必修 Compulsory
	中国概况 II Chinese society and culture II	考查 Check	2	32	32			2							外语院	必修 Compulsory
	高等数学 I Advanced Mathematics I	考试 Exam	6	96	96		6								理学院	必修 Compulsory
	高等数学 II Advanced Mathematics (II)	考试 Exam	6	96	96			6							理学院	必修 Compulsory
	线性代数与解析几何 Linear Algebra and Analytic Geometry	考试 Exam	3	48	48		3								理学院	必修 Compulsory
	大学物理 (上) University Physics (I)	考试 Exam	4	64	64			4							理学院	必修 Compulsory
	大学物理 (下) University Physics (II)	考试 Exam	3	48	48				3						理学院	必修 Compulsory
	物理实验 (上) Physics Experiment (I)	考试 Exam	1.5	24		24		1.5							理学院	必修 Compulsory
	物理实验 (下) Physics Experiment (II)	考试 Exam	1.5	24		24				1.5					理学院	必修 Compulsory
	中国功夫 Chinese Martial Arts	考查 Check	1	16		16	1								体育部	必修 Compulsory
	C++程序设计 C++ Programming	考试 Exam	3.5	56	40	16		3.5							计算机学 院	必修 Compulsory
	小计 Total		49.5													
学科基础 Subject Basis	计算机科学与技术导论 Introduction to Computer Science & Technology	考查 Check	2	32	32			2							计算机学 院	必修 Compulsory

学科基础 Subject Basis	电路分析基础 Circuit Analysis	考试 Exam	2	32	32											电子院	必修 Compulsory		
	数字电路与逻辑设计 Digital Circuits and Logic Design	考试 Exam	2	32	32								2			电子院	必修 Compulsory		
	电工电子实验 Electrotechnical and Electronic Experiment	考查 Check	3	48		48								3		电子院	必修 Compulsory		
	JAVA 程序设计 Java Programming	考查 Check	3	48	40	8								3		计算机学院	必修 Compulsory		
	概率统计和随机过程 Probability Statistics and Random Process	考试 Exam	4	64	64										4		理学院	必修 Compulsory	
	小计 Total			16															
专业基础 Professional Basis	离散数学 Discrete Mathematics	考试 Exam	5	80	64	16								5			计算机学院	必修 Compulsory	
	数据结构 Data Structures	考试 Exam	5	80	64	16								5			计算机学院	必修 Compulsory	
	计算机组成与结构 Computer Organization	考试 Exam	5	80	64	16									5		计算机学院	必修 Compulsory	
	操作系统 Operating System	考试 Exam	5	80	64	16									5		计算机学院	必修 Compulsory	
	计算机通信与网络 Computer Communications and Networks	考试 Exam	5	80	64	16										5		计算机学院	必修 Compulsory
	小计 Total			25															
专业课程 Professional Courses	嵌入式系统与开发 Embedded System and Development	考查 Check	3	48	40	8										3	计算机学院	限 选 10 学 分 Choose 10 credits	
	计算机图形学 Computer Graphics	考查 Check	3	48	40	8									3		计算机学院		
	数据库系统 Database Systems	考查 Check	3	48	40	8									3		计算机学院		
	编译原理 Compiler Principles	考查 Check	3	48	48										3		计算机学院		
	软件工程 Software Engineering	考查 Check	3	48	40	8									3		计算机学院		
	算法设计与分析 Design and Analysis of Algorithms	考查 Check	3	48	40	8										3			计算机学院
	信息安全技术 Technology of Information Security	考查 Check	2	32	24	8										2			计算机学院
	微机原理与接口技术 Microcomputer principle and	考查 Check	2	64	56	8										4			计算机学院

	interface technology																									
	物联网技术 Internet of Things Technology	考查 Check	2	32	32										2	计算机学 院										
	小计 Total		10																							
综合素质 课 Integrated Quality Courses	中华文明导论 An Introduction of Chinese Civilization	考查 Check	2	32	32														2	海外院	必修 Compulsory					
	中国简史 A Brief History of China	考查 Check	2	32	32															2	海外院	必修 Compulsory				
	乒乓球 Table Tennis	考查 Check	2	32	32																2	海外院	必修 Compulsory			
	跨文化交际 Intercultural Communication	考查 Check	2	32	32																	2	海外院	必修 Compulsory		
	汉易码及中文键写能力培养 ECC and Chinese Key Writing Capability Training	考查 Check	2	32	32																		2	海外院	必修 Compulsory	
	中国新媒体文化之旅 China's New Media & Culture Tour	考查 Check	2	32	32																			2	海外院	必修 Compulsory
	小计 Total			12																						

**\* 备注：根据教育部《来华留学高等教育质量规范（试行）》要求，全英文授课本科留学生毕业须达到汉语水平考试四级（HSK 4）水平或以上。**

**As is stipulated by the regulation of MOE students must pass HSK level 4 or above levels**

集中实践环节安排表 Regular Practice Courses

课程类别 Category	课程编号 Course code	课程名称 Courses	考核 Exam/ Check	学分 Credit	周数 Weeks	学期 Semester								开课单位 Teaching faculty	备注 Notes
						1	2	3	4	5	6	7	8		
集中实践 Regular Practice		程序设计 Programme Design	考查 Check	1	1		1							计算机学院	
		课程设计 I Course Design I	考查 Check	1	1					1				计算机学院	
		课程设计 II Course Design II	考查 Check	1	1						1			计算机学院	
		认识实习 Cognitive Practice	考查 Check	1	1				1					计算机学院	
		毕业设计（论文） Graduation Project (Thesis)	考试 Exam	14	14								14	计算机学院	
	小计 Total Required				18										

# 2019 级本科国际生 “工商管理” 专业培养方案

所属学院：	管理学院	标准学制：	四年
学科门类：	管理学	专业代码：	120191K
专业门类：	工商管理类	授予学位：	管理学学士
适用年级：	2019 级国际生	专业负责人：	黄卫东

## 一、培养目标

本专业旨在培养国际学生具备中西结合的宽阔视野、具有扎实的经营、经贸等方面知识和技能、有着较强的语言优势并且熟知中国文化，使之能够在各种组织形式的企业和机构从事经贸及管理，特别是信息产业的复合型和应用型国际商务管理专业人才。

## 二、培养规格

通过学习使学生的专业知识与能力（A）和综合素质（B）达到以下基本培养规格要求：

### 专业能力（A）：

- A1.学习经济学、管理学、国际商务以及管理等方面基本理论和基本知识；
- A2.具有分析和解决现代国际商务管理问题的基本能力；
- A3.熟悉中国商务政策和法规以及国际商务规则和惯例；
- A4.了解中西的经济、社会和文化；
- A5.具备较强的商务英语能力和一定汉语交际能力。

### 综合素质（B）：

B1. 了解中国历史和文化，具有人文社会科学素养、社会责任感和商务职业道德；

B2. 具备自主学习能力，具有将理论知识、分析方法与实践和探索相结合的能力，掌握社会科学实验的基本方法和学术交流规范；

B3.职业道德方面，具备基本的符合职业特点所要求的道德准则、道德情操与道德品质；

B4.能阅读本专业外文资料，具有国际视野和跨文化的交流、竞争与合作能力，并且具备基本的科技论文写作技能。

## 三、主干学科与交叉学科

管理学、经济学。

## 四、核心课程

微观经济学、宏观经济学、通信经济学、管理学原理、运筹学、管理信息系



统、财务会计、统计学、市场营销、电信生产运营战略管理、组织行为学、创业管理、经济法、管理会计、公共关系、现代物流与供应链管理、财务管理等。

### 五、方向及特色

本专业以符合工商管理通用人才要求的知识结构为基础，培养具有信息与通信行业特色的偏财务管理方向的专业型人才。本专业发挥邮电大学的学科优势，在保证工商管理专业目录规定的主干课程之外增设通信技术与通信经济类课程，适应企业和社会的需要，注重经济学和管理学基础，突出专业技能的培养，旨在学生综合素质的提高。

### 六、毕业学分及比例要求

课程模块	学分及比例	其中 实验实践学分
通识基础	37/30.08%	
学科基础	30/24.39%	36/29.26%
专业基础	24/19.51%	12/9.75%
综合素质课	12/9.75%	
集中实践类	20/16.26%	20/16.26%
汇总	123/100%	68/48.16%

## Undergraduate Program of Business Administration (for 2019 International Students)

<b>College :</b>	School of Management	<b>Standard Educational System:</b>	Four Years
<b>Discipline category:</b>	Management	<b>Course Code: :</b>	120191K
<b>Specialized Fields:</b>	Business Administration	<b>Degrees Conferred:</b>	Bachelor of Management
<b>Applicable Grade:</b>	2019International Students	<b>Discipline Leader:</b>	Huang Weidong

### I. Training objectives

The aim of this major is to train international students with have a broad vision of Chinese and Western integration, solid knowledge and skills in operation and trade, and students who have strong language advantages and familiar with Chinese culture, so as to be able to engage in trade and management in enterprises and institutions in various organizational forms, especially the complex and applied international business management professionals of the information industry.

### II. Cultivation specifications

Through learning, students' professional knowledge and ability (A) and comprehensive quality (B) meet the following basic training specifications:

#### **Basic training specification requirements, professional ability (A):**

- A1. Master basic theories and basic knowledge in economics, management, international commerce and management;
- A2. Be capable of analyzing and solving problems of modern international business management;
- A3. Be familiar with Chinese business policies and regulations, and at the same time master international business rules and practices;
- A4. Have knowledge of economy, society and culture of China and the West;
- A5. Have strong business English skills and certain communication skills in China.

#### **Comprehensive quality (B):**

- B1. Be familiar with Chinese history and culture, and have a sense of humanities and social sciences, social responsibility and business ethics;

B2. Be capable of learning independently, and can combine theoretical knowledge, analysis method with practice and exploration, and master the basic methods and academic exchange standards of social science experiments;

B3. With regard to professional ethics, students should have basic moral standards, moral feelings and moral qualities that meet the requirements of professional characteristics;

B4. Not only have the ability to read foreign language materials of this specialty, but also have international visions and cross-cultural communication ability, competition and cooperation capabilities, and basic technical paper writing skills.

### III. Main discipline and cross-discipline

Management, Economics

### IV. Core courses

Microeconomics, Macroeconomics, Communications Economics, Management Principles, Operational Research, Management Information System, Financial Accounting, Statistics, Marketing, Telecommunication Production and Operation Strategy Management, Organizational Behavior, Entrepreneurship Management, Economic law, Management Accounting, Public Relations, Modern Logistics and Supply Chain Management, Financial Management, etc.

### V. Direction and Characteristics

Based on the knowledge structure that conforms to the general talent requirements of business administration, this discipline develops professional talents with the characteristics of the information and communication industry, which are oriented towards financial management. This major takes full play to the advantages of the subject of the University of Post and Telecommunications, in addition to ensuring the main courses specified in the catalogue of Business Administration, it adds communication technology and communication economy courses into courses system, which can meets the needs of enterprises and society, focusing on the foundation of economics and management, and highlighting the cultivation of professional skills, aiming at improving the comprehensive quality of students.

### VI. Graduate credits and proportion requirements.

Course Module	Credit and proportion	Credit and proportion	Credits of Experimental Practice
General Basis		37/30.08%	
Subject Basis		30/24.39%	36/29.26%
Professional Basis		24/19.51%	12/9.75%
Comprehensive courses		12/9.75%	
Centralized practice courses		20/16.26%	20/16.26%
Total		123/100%	68/48.16%

2019 级来华留学本科生工商管理专业培养计划  
Bachelor Degree Map for Business Management

专业名称 (Major) : 工商管理 Business Management

专业负责人 (Person in charge) : 黄卫东

**本计划按照学分制实施。**

总学分 (Total Credits) : **123**

课程类别 Category	课程名称 Courses	考核 Exam/Check	学分 Credit	学时 Credit Hour			学期 Semester							开课单位 Teaching faculty	选课要求 catalogue	
				总计 Total	讲课 Lecture	实践 Practice	1	2	3	4	5	6	7			
通识基础 General Education	* 汉语 I Chinese I	考试 Exam	4	64	64		4								外语院	必修 Compulsory
	* 汉语 II Chinese II	考试 Exam	4	64	64			4							外语院	必修 Compulsory
	* 汉语 III Chinese III	考试 Exam	4	64	64				4						外语院	必修 Compulsory
	* 汉语 IV Chinese IV	考试 Exam	4	64	64					4					外语院	必修 Compulsory
	中国功夫 Chinese Martial Arts	考查 Check	1	16	16		1								体育部	必修 Compulsory
	中国概况 I Chinese Society and Culture I	考查 Check	2	32	32		2								外语院	必修 Compulsory
	中国概况 II Chinese Society and Culture II	考查 Check	2	32	32			2							外语院	必修 Compulsory
	高等数学 B I Advanced Mathematics B I - II	考试 Exam	5	80	80		5								理学院	必修 Compulsory
	高等数学 B II Advanced Mathematics B I - II	考试 Exam	5	80	80			5							理学院	必修 Compulsory
	线性代数 Linear Algebra	考试 Exam	3	48	48		3								理学院	必修 Compulsory
	概率论与数理统计 Probability and Statistics	考试 Exam	3	48	48				3						理学院	必修 Compulsory
小计 Total			<b>37</b>													
学科基础 Subject Course	管理学原理 Principle of Management Science	考试 Exam	3	48	48		3								管理院	必修 Compulsory
	微观经济学 Microeconomics	考试 Exam	4	64	64			4							管理院	必修 Compulsory
	统计学 Statistics	考试 Exam	4	64	64				4						管理院	必修 Compulsory
	管理信息系统	考试	3	48	32	16			3						管理院	必修

	Management Information System A	Exam														Compulsory	
	宏观经济学 Macroeconomics	考试 Exam	2	32	32			2					管理院			必修 Compulsory	
	运筹学 Operational Research	考试 Exam	4	64	44	20		4					管理院			必修 Compulsory	
	国际商务管理 International Business Management	考试 Exam	2	32	32			2					管理院			必修 Compulsory	
	财务管理 Financial Management A	考试 Exam	4	64	64					4			管理院			必修 Compulsory	
	国际金融	考试 Exam	2	32	32			2					管理院			限选 4-6 学分 Choose 4-6 credits	
	人力资源管理 Human Resource Management	考试 Exam	2	32	32			2					管理院				
	运营管理 Operations Management	考查 Check	2	32	32				2				管理院				
	小计 Total		<b>30</b>														
专业基础 Foundation Professional Course	工商管理专业导论 Business Management Introduction	考试 Exam	2	32	32			2					管理院			必修 Compulsory	
	市场营销 Marketing	考试 Exam	2	32	32			2					管理院			必修 Compulsory	
	企业资源规划（ERP） Enterprise Resource Planning	考试 Exam	2	32	26	6				2			管理院			必修 Compulsory	
	商业分析 Business Analysis	考查 Check	2	32	26	6				2			管理院			必修 Compulsory	
	企业战略管理 Enterprise Strategic Management	考试 Exam	2	32	32					2			管理院			必修 Compulsory	
	系统评价方法 System Performance Evaluation Method	考查 Check	2	32	32					2			管理院			必修 Compulsory	
	财务会计 Financial Accounting	考试 Exam	4	64	64				4				管理院			限选 12 学分 Choose 12 credits	
	电子商务 E-commerce	考查 Check	2	32	32							2	管理院				
	商务沟通 Management Communication	考查 Check	2	32	32						2		管理院				
	创新管理 Innovation management	考查 Check	2	32	32							2	管理院				
	通信经济学 Communication	考试 Exam	2	32	32					2			管理院				

	Economics																		
	国际市场营销 International Marketing	考试 Exam	2	32	32									2				管理院	
	公共关系 Public Relations	考试 Exam	2	32	32									2				管理院	
	财务会计 Financial Accounting	考试 Exam	4	64	64							4						管理院	
	广告学 Advertisement	考试 Exam	2	32	32									2				管理院	
	小计 Total		<b>24</b>																
综合素质课 Integrated Quality Course	跨文化交际 Intercultural Communication	考查 Check	2	32	32							2						海外院	必修 Compulsory
	广告艺术欣赏 Appreciation of Advertising Art	考查 Check	2	32	32							2						海外院	必修 Compulsory
	中国书画 Chinese Calligraphy and Painting (2 学分) 第三学期	考查 Check	2	32	32							2						海外院	必修 Compulsory
	中华文明导论 An Introduction of Chinese Civilization	考查 Check	2	32	32							2						海外院	必修 Compulsory
	中国简史 A Brief History of China	考查 Check	2	32	32							2						海外院	必修 Compulsory
	体育舞蹈 Sports Dance	考查 Check	2	32	32							2						海外院	必修 Compulsory
	小计 Total		<b>12</b>																

\* 备注：根据教育部《来华留学高等教育质量规范（试行）》要求，全英文授课本科留学生毕业须达到汉语水平考试四级（HSK 4）水平或以上。  
As is stipulated by the regulation of MOE students must pass HSK level 4 or above levels

集中实践环节安排表 Regular Practice Courses

课程类别 Category	课程编号 Course code	课程名称 Courses	考核 Exam/Check	学分 Credit	周数 Weeks	学 期 Semester								开课 单位 Teaching faculty	备注 Notes
						1	2	3	4	5	6	7	8		
						集中实践 Regular Practice		管理学案例分析 Management case analysis	考查 Check	1	1				
	管理前沿综述 Management frontier literature review	考查 Check	1	2					2					管理院	
	财务管理案例分析 Financial management case analysis	考查 Check	2	1						1				管理院	
	企业经营模拟 Management Professional thesis writing	考查 Check	2	2							2			管理院	
	毕业设计(论文) Graduation Project (Thesis)	考查 Check	14	14									14	管理院	
小计 Total							20								

# 2019 级本科国际生“电子信息工程”专业培养方案

所属学院：	通信与信息工程学院	标准学制：	四年
学科门类：	工学	专业代码：	080701
专业门类：	电子信息类	授予学位：	工学学士
适用年级：	2019 级国际生	专业负责人：	陈健

## 一、培养目标

本专业培养掌握自然科学基础知识、必备的电子信息工程领域基础理论和专业知识，熟悉中国文化，具有较好的学习能力、实践能力、专业能力和创新意识，能在电子信息工程技术领域从事科学研究、技术开发、工程设计、设备制造与应用、人才培养和技术管理等方面工作的专业人才。

## 二、培养规格

### 专业能力（A）：

A1. 具有从事电子信息工程技术领域内所需的数学、物理等自然科学基础知识，能够运用物理学和数学的基本理论和方法分析解决本领域工程技术实际问题；

A2. 掌握电子信息工程技术领域内必备的工程基础知识，包括电路与电子技术基础、电磁场、计算机技术基础、通信技术基础、信号与系统分析等理论和技术；

A3. 掌握信息的获取、处理、传输和应用的基本理论和方法，掌握电子信息系统中信号的处理、传输、表示与应用的基本知识，初步具有设计、开发、集成、应用电子设备和信息系统的基本能力；

A4. 具有较系统的计算机基础知识，掌握基本的软、硬件应用和开发能力；

A5. 掌握在电子信息工程技术领域基本的创新方法，具有追求创新的态度和意识。

### 综合素质（B）：

B1. 熟悉中国历史和文化；

B2. 具有将理论知识、分析方法与工程实践和探索相结合的能力，掌握科学实验的基本方法、实验报告和学术交流规范；

B3. 掌握使用英语和汉语进行文献检索、资料查询及运用现代信息技术获取相关信息的基本方法；

B4. 具有一定的组织管理能力、表达能力和人际交往能力以及在团队中发挥作用的能力；



B5. 具有不断学习和适应发展的能力；

### 三、主干学科与交叉学科

信息与通信工程、电子科学与技术、计算机科学与技术。

### 四、核心课程

电路分析基础，模拟电子线路，数字电路与逻辑设计，信号与系统，通信原理，数字信号处理，高级语言程序设计，微型计算机原理与接口技术，信息论基础、电磁场与传输理论。

### 五、毕业学分及比例要求

课程模块	学分及比例	其中 实验实践学分
通识基础	49.5	4.5
学科基础	26.5	5.375
专业基础	14.5	1.25
专业课程	4	
综合素质课	12	
集中实践类	18	18
汇总	124.5/100%	29.125/11.27%

# Undergraduate Program for Electronic and Information Engineering (for 2019 International Students)

<b>School</b>	School of Communications and Information Engineering	<b>Educational System</b>	Four years
<b>Disciplines</b>	Engineering	<b>Major Code</b>	080701
<b>Specialty</b>	Electronic and Information	<b>Academic Degree</b>	Bachelor of Engineering
<b>Grade applicable</b>	International Students from 2019	<b>Responsibility Professor</b>	Dr. Jian CHEN

## I Cultivation Objective

The cultivation objectives focus on culture students with fundamental natural sciences knowledge, necessary electronics and information engineering theory and professional knowledge, with good learning ability, practical ability, professional skills and innovation, who can engaged in scientific research, technology development, engineering design, equipment manufacture and application management, personnel training and technical management in the field of electronic and information engineering technologies.

## II Cultivation Standards

### Professional Abilities (A) :

A1. With necessary mathematics, physics and other natural sciences knowledge in the field of electronics and information technology engineering, being able to apply physics and mathematics fundamental theories and methods to analyze and solve practical problems.

A2. With necessary fundamental engineering knowledge in the field of electronic and information technology, including circuits and electronic technology, electromagnetic fields, computer technology, communications technology, signals and systems analysis theory, etc.

A3. With fundamental theory and method for acquiring, processing, transport and applications of information, comprehensive grasping key techniques for modern information and communication networks including network communication, image and voice media information processing, transmission, application and representation,

capable with the abilities of design, development, integration, implementation of electronic equipments and information systems.

A4. With comprehensive knowledge of computer systems, be able to master the basic application and development capabilities both in the software and hardware areas.

A5. With the basic innovation methods in the field of electronic and information technology both the innovation attitudes and conscious.

### **Comprehensive Qualities (B) :**

B1. Being familiar with Chinese history and cultures.

B2. With ability to combine theoretical knowledge, analytical methods with the engineering practice and exploration, mastering scientific experiments methods, experimental reports and academic exchange specification.

B3. With the ability of using both English and Chinese to literature retrieval, material querying, and using modern information technology to obtain information.

B4. With basic abilities of management, representation and interpersonal skills, knowing how to play a role in the team.

B5. With the ability of continuous learning.

### **III Subjects**

Information and Communications Engineering, Electronic Science and Technology, Computer Science and Technology.

### **IV Key Curriculums**

Circuit Analysis, Analog Electronic Circuits, Digital Circuits and Logic Design, Signals and Systems, Principles of communications, Digital Signal Processing, Advanced Language Programming, Computer Principle and Interface Technology, Information Theory, Electromagnetic Field and Transmission Theory.

## V Academic Credit and Proportions

Credits and Proportions Curriculum Category	Credits and Percentages	Practice Credit
General Education	49.5	4.5
Subject Course	26.5	5.375
Professional Course	14.5	1.25
Required Course	4	-
Integrated Quality Courses	12	
Regular Practice	18	18
Summary	124.5/100%	29.125/11.27%

## 2019 级来华留学本科生电子信息工程专业培养计划

### Bachelor Degree Map for Electronic and Information Engineering

专业名称 (Major) : 电子信息工程 Electronic and Information Engineering

专业负责人 (Person in charge) : 陈健 (Dr.Jian CHEN)

**本计划按照学分制实施。**

总学分 (Total Credits) : 124.5

课程类别 Category	课程名称 Courses	考核 exam/Check	学分 Credit	学时 Credit Hours			学期 Semester							开课单位 Teaching Faculty	选课要求 catalogue	
				总计 Total	讲课 Lecture	实践 Practice	1	2	3	4	5	6	7			
通识基础 General Education	* 汉语 I Chinese I	考试 Exam	4	64	64		4								外语院	必修 Compulsory
	* 汉语 II Chinese II	考试 Exam	4	64	64			4							外语院	必修 Compulsory
	* 汉语 III Chinese III	考试 Exam	4	64	64				4						外语院	必修 Compulsory
	* 汉语 IV Chinese IV	考试 Exam	4	64	64					4					外语院	必修 Compulsory
	中国概况 I Chinese society and culture I	考查 Check	2	32	32		2								外语院	必修 Compulsory
	中国概况 II Chinese society and culture II	考查 Check	2	32	32			2							外语院	必修 Compulsory
	高等数学 I Advanced Mathematics I	考试 Exam	6	96	96		6								理学院	必修 Compulsory
	高等数学 II Advanced Mathematics (II)	考试 Exam	6	96	96			6							理学院	必修 Compulsory
	线性代数与解析几何 Linear Algebra and Analytic Geometry	考试 Exam	3	48	48		3								理学院	必修 Compulsory
	大学物理 (上) University Physics (I)	考试 Exam	4	64	64			4							理学院	必修 Compulsory
	大学物理 (下) University Physics (II)	考试 Exam	3	48	48				3						理学院	必修 Compulsory
	物理实验 (上) Physics Experiment (I)	考试 Exam	1.5	24	24			1.5							理学院	必修 Compulsory
	物理实验 (下) Physics Experiment (II)	考试 Exam	1.5	24	24				1.5						理学院	必修 Compulsory
	中国功夫 Chinese Martial Arts	考查 Check	1	16	16		1								体育部	必修 Compulsory
	高级语言程序设计 High-level Language Programming	考试 Exam	3.5	56	48	8		3.5							计算机学院	必修 Compulsory
	小计 Total			49.5												

学科基础 Subject Course	制图基础及计算机绘图 Fundamentals of Drawing & Computer Drafting	考查 Check	2	32	26	6									理学院	必修 Compulsory
	电路分析基础 Circuit Analysis	考试 Exam	4	64	64				4						电光微院	必修 Compulsory
	模拟电子线路 Analog Electronic Circuits	考试 Exam	3.5	56	56				3.5						电光微院	必修 Compulsory
	数字电路与逻辑设计 Digital Circuits and Logic Design	考试 Exam	4	64	64					3.5					电光微院	必修 Compulsory
	电工电子实验（一） Electrotechnical and Electronic Experiment(I)	考查 Check	3	48		48				3					电光微院	必修 Compulsory
	电工电子实验（二） Electrotechnical and Electronic Experiment(II)	考查 Check	2	32		32					2				电光微院	必修 Compulsory
	概率统计和随机过程 Probability Statistics and Random Process	考试 Exam	4	64	64						4				理学院	必修 Compulsory
	信号与系统 Signals and Systems	考试 Exam	4	64	64					4					通信院	必修 Compulsory
	小计 Total			26.5												
专业基础 Foundation Professional Course	通信原理 Principles of communications	考试 Exam	4	64	56	8						4			通信院	必修 Compulsory
	数字信号处理 Digital Signal Processing	考试 Exam	3	48	40	8						3			通信院	必修 Compulsory
	微型计算机原理与接口技术 Microcomputer Principle and Interface Technology	考试 Exam	3	48	44	4						3			计算机学院	必修 Compulsory
	信息论 Information Theory	考试 Exam	2	32	32							2			通信院	必修 Compulsory
	电磁场与传输理论 Electromagnetic Field and Transmission Theory	考试 Exam	2.5	40	40							2.5			通信院	必修 Compulsory
小计 Total			14.5													
专业课程 Professional Course	图像处理 Image Processing	考查 Check	2	32	32							2			通信院	限选4学分 Choose 4 credits
	多媒体信息系统 Multimedia Information Systems	考查 Check	2	32	32								2		通信院	
	计算机通信网 Computer Communication Networks	考查 Check	2	32	32							2		通信院		
	无线通信 Wireless Communication	考查 Check	2	32	32							2		通信院		

	光纤通信 Optical Fiber Communication	考查 Check	2	32	32									2	通信院	
	可编程逻辑器件 Programmable logic device	考查 Check	2	32	32									2	电光微院	
	小计 Total		4													
综合素质课 Integrated Quality Courses	中华文明导论 An Introduction of Chinese Civilization	考查 Check	2	32	32								2		海外院	必修 Compulsory
	中国简史 A Brief History of China	考查 Check	2	32	32								2		海外院	必修 Compulsory
	乒乓球 Table Tennis	考查 Check	2	32	32								2		海外院	必修 Compulsory
	跨文化交际 Intercultural Communication	考查 Check	2	32	32								2		海外院	必修 Compulsory
	汉易码及中文键写能力培养 ECC and Chinese Key Writing Capability Training	考查 Check	2	32	32								2		海外院	必修 Compulsory
	中国新媒体文化之旅 China's New Media & Culture Tour	考查 Check	2	32	32								2		海外院	必修 Compulsory
	小计 Total		12													

**\* 备注：根据教育部《来华留学高等教育质量规范（试行）》要求，全英文授课本科留学生毕业须达到汉语水平考试四级（HSK 4）水平或以上。**  
**As is stipulated by the regulation of MOE students must pass HSK level 4 or above levels**

集中实践环节安排表 Regular Practice Courses

课程类别 Category	课程编号 Course code	课程名称 Courses	考核 Exam/ Check	学分 Credit	周数 Weeks	学期 Semester								开课单位 Teaching faculty	备注 Notes	
						1	2	3	4	5	6	7	8			
集中实践 Regular Practice		电装实习 Electronic Practice	考查 Check	1	1		1								电光微院	
		课程设计 I Course Design I	考查 Check	1	1					1					电光微院	
		课程设计 II Course Design II	考查 Check	1	1						1				通信院	
		认识实习 Cognitive Practice	考查 Check	1	1				1						通信院	
		毕业设计(论文) Graduation Project (Thesis)	考试 Exam	14	14									14	通信院	
	小计 Total Required				18											



## 2019 级信息与通信工程学科硕士研究生培养方案(国际生)

### Training Scheme of Information and Communication Engineering for Master Program (for 2019 International Students)

一级学科名称 First-rate discipline	信息与通信工程 Information and Communication Engineering	一级学科代码 Code for first-rate discipline	0810
学科简介 Program Introduction	<p>信息科学是 21 世纪三大科技支柱之一，信息与通信工程又是信息科学中的核心学科，它研究以信息传输、交换以及信息网络为主体的各类通信与信息系统。其主要理论和技术已广泛应用于通信和信息科学的各个领域，主要包括各类有线/无线通信、雷达导航、电子对抗、电视广播和遥控遥测等国民经济和军事部门的各种通信和信息系统。</p> <p>本学科为江苏省重点学科，所属的一级学科为国家重点学科培育建设点和江苏省优势学科。</p> <p>Information Science is one of the three pillars of 21st century technology. The information and communication engineering is the core discipline of information science, which studies the various types of communication and information system ,such as information transfer, information exchange and networking. The main theories and techniques have been widely used in various fields of communication and information science, including various communications and information systems of various types of wired / wireless communications, radar navigation, electronic warfare, television broadcasting and remote telemetry and other economic and military departments.</p> <p>This discipline is the national key discipline (Foster) and Jiangsu provincial key discipline, and it is also the priority academic program of Jiangsu higher education.</p>		
培养目标 Training Objectives	<p>培养硕士研究生具有坚实的外语、计算机、数学基础，在信息与通信工程方面具有坚实、深厚的理论基础，深入了解国内外通信学科、信息学科方面的新技术和新发展，系统、熟练地掌握信息与通信工程方面的专业知识，具有独立研究、分析与解决本专业技术问题的能力，能够担负本学科相关的工程技术和工程管理工作。</p> <p>Graduates should have a solid background for foreign language, computer, mathematics, and solid, strong theoretical foundation in information and communication engineering, in-depth understanding of the new aspects and developments of international communication and information technology. Graduates should systematically master the communication and information system</p>		

	expertise, and have the ability of independent researching, analyzing and solving technical problems. Graduates can take the discipline-related engineering and project management.
研究方向 Research Orientation	<ol style="list-style-type: none"> <li>1. 移动通信(Mobile Communication)</li> <li>2. 宽带无线通信(Broadband Wireless Communication)</li> <li>3. 卫星通信技术(Satellite Communication Techniques )</li> <li>4. 光波通信技术(Optical Communication Techniques)</li> <li>5. 智能信号处理技术(Intelligent Signal Processing Techniques)</li> <li>6. 现代语音处理与通信技术 (Speech Signal Processing and Communications Techniques)</li> <li>7. 图像处理与多媒体通信 (Digital Image Processing and Multimedia Communications)</li> <li>8. 信息网络与多媒体技术(Information network and Multimedia Techniques )</li> <li>9. 信息安全(Information Security)</li> <li>10.信息获取与控制(Information Acquisition and Control)</li> </ol>
毕业要求 Graduation Requirements	<ol style="list-style-type: none"> <li>1、学习年限(period of schooling) 一般为 2.5 至 3 年。( from two and half years to three years )</li> <li>2、课程设置与学分要求(Course Requirement) 课程要求：学位课学分不少于 16 分，总学分不少于 28 学分。 Course Requirement: The credits for Degree Programs require 16 at least, and total credits require 28 at least.</li> <li>3、语言要求(Language Requirement) 通过汉语水平考试 3 级以上。 Pass the Chinese language ability for foreigners (HSK) level 3 or above.</li> <li>4、学位论文要求(Dissertation Requirement) 研究生在修完规定的学分和完成学位论文后，可进行论文答辩。答辩通过者，准予毕业并由学校学位评定委员会批准，授予相应学位。 The master candidates should finish prescribed credits and research dissertation before they defense. After the defense, the appropriate degree will be awarded by the academic committee of the university.</li> </ol>

2019 级硕士信息与通信工程专业培养计划  
Degree Map for Master Program in Information and Communication Engineering

一级学科名称：信息与通信工程 Information and Communication Engineering

总学分：29

课程类别 Category	课程编 号 Course code	课程名称 Courses	考核 Exam/ Check	学分 Credit	学时 Credit Hours			开课学 期 Semester	开课单 位 Teaching faculty	开课教 师 Lecturer	备注 Notes
					总计 Total	讲课 Lecture	实践 Practice				
学位课 Degree course (18 学分) (18 credits)	公共课 Public course	汉语 Chinese	考试 Exam	4	64	64		1, 2	外国语		必修 Compulsory
		中国概况 Chinese Society and Culture	考查 Check	3	48	48		2	外国语		必修 Compulsory
	基础课 Basic course	随机过程 Stochastic Processes	考试 Exam	2	40	40		1	理学院	唐加山	必修 Compulsory
		最优化方法 Methods of Optimization	考试 Exam	2	40	40		1	理学院	杨振华	必修 Compulsory
	专业课 Professional Course	数字通信 Digital Communication	考试 Exam	3	48	48		1	通信院	宋荣方	必修 Compulsory
		信息论基础 Fundamentals of Information Theory	考试 Exam	3	48	48		1	通信院	赵生妹	
非学位课 Non-degree course (10 学分) (10 credits)	必修课 Compulsory course	科研方法与学术论 文写作 Research Methodology and Academic Writing	考查 Check	1	20	20		2	计算机	杨庚	必修 Compulsory
		工具与实验类课程 (基于 Matlab 的系统 建模与仿真) Application and Experimental Courses	考查 Check	2	32	32		3	通信院	邵曦	必修 Compulsory
		方向短课程 Direction-specific short courses	考查 Check	1	16	16		1			必修 Compulsory

			数字图像处理 Digital Image Processing	考查 Check	2	32	32		1	通信院	胡栋	4 选 4
	选修课 Selective course		通信信号处理 Communication Signal Processing	考查 Check	2	32	32		3	通信院	田峰	
			通信网理论基础 Telecommunication Network Fundamentals	考查 Check	3	48	48		1	通信院	徐名海	
			网络与信息安全 Security of Networks and Information	考查 Check	2	32	32		2	计算机	刘斌	

## 2019 级工商管理学科硕士研究生培养方案(国际生)

### Training Scheme for the Business Administration for Master

#### Program (for 2019 International Students)

一级学科名称 First-rate discipline	工商管理 Business Administration	一级学科代码 Code for first-rate discipline	1202
二级学科名称 Second-rate	Code for	二级学科代码 Code for	
学科简介 Program Introduction	<p>本学科主要研究同现代企业生产经营、科技发展相适应的管理理论和方法，并应用现代科技成就，揭示企业活动规律，研究企业发展的理论、方法和工具，提高管理效率和效益。本学科主要运用经济学、管理学及系统工程的原理与方法，研究信息通信部门经济运行、信息通信市场、信息通信企业行为，信息通信网的发展战略与规划以及信息产业管理和通信网管理等；其次，对市场调查、市场预测、经营决策、经营策略的理论与方法进行研究，探索经营市场化、决策科学化的有效途径和最佳模式；再者，研究市场营销的基本理论与方法，特别是通信服务营销的理论和方法，重点研究信息技术、电子商务条件下市场环境、交易模式、竞争方式、消费者行为的变化，以及与之相适应的网络营销理论、方法、手段和策略。此外，侧重于对高科技企业（重点是通信企业）的组织架构、绩效考核和薪酬体系的设计、知识员工的流动和职业生涯规划等问题进行理论和实践性研究。</p> <p>The program studies the management theories and methods coincide with the modern enterprise production operation and technological development, and reveals the patterns of enterprise activities and theories, methods as well as tools for its development by applying modern technological achievements, thus enhancing management efficiency. First, by applying the principles and methods of Economics, management science and systems engineering, this program studies the economic operation of various departments in the telecommunications industry, the telecommunications market, behaviour of telecommunication enterprises, development strategies and planning of the telecommunications network and the management of the telecommunications industry and its networks. Second, the program studies theories and methods of market research, market forecast, operational decision-making and operational strategies, in order to explore the optimal modes of marketisation and scientification of decision-making. Third, the program studies the fundamental theories and methods of marketing specialised in the telecommunications industry, with emphasis on the changing market environment, exchange mode, competition mechanism and customer behaviour under the impact of information technology and e-commerce, and the cyber marketing theory, methods and strategies are also discussed. Additionally, theoretical and practical researches regarding the organisational architecture, performance appraisal, compensation system design, flow of knowledge employees as well as their career planning in the high-tech enterprises, particularly the telecommunications enterprises, are also conducted.</p>		

<p>培养目标 Training Objectives</p>	<p>本学科旨在培养具备扎实的管理学和经济学基础，掌握经营决策分析、通信技术、企业管理方面理论和知识，具有广泛通信技术及业务知识、综合运用管理学、经济学的能力，能在国家各级管理机构、电信和邮政企业、相关科研单位和金融机构等部门从事管理、教学和科研方面的高级专门人才。</p> <p>The program aims at educating talents with solid management and economics knowledge, who understands the theories of operational decision-making, telecommunications technology, and business administration. With a comprehensive grasp of telecommunications business, management and economics, such talents would be able to administrate, teach or research in management organisations, telecommunications and postal enterprises, research institutions and financial institutions.</p>
<p>研究方向 Research Orientation</p>	<p>1、技术创新管理 Technology Innovation Management 2、企业运营管理 Enterprise Operation Management 3、财务管理 Financial Management 4、组织行为与人力资源管理 Organisational Behaviour and Human Resource Management 5、现代服务信息化 Information of Modern Services 6、信息产业经济与管理 Economics and Management of the Information Industry</p>
<p>毕业要求</p>	<p>1、学习年限 Year of study: 一般为 2.5 至 3 年。2.5-3 years. 2、课程设置与学分要求 Curriculum and credit requirements: 学位课学分不少于 23 学分，总学分不少于 29 学分。Not less than 23 credits for degree courses, and not less than 29 credits for total. 3、语言要求(Language Requirement) 通过汉语水平考试 3 级以上。 Pass the Chinese language ability for foreigners (HSK) level 3 or above. 4、学位论文要求 Requirements for dissertation: 与学科方向一致的硕士学位论文一篇 One dissertation in accordance with the discipline.</p>

## 2019 硕士国际生工商管理专业培养计划

### Degree Map for Master Program in Business Administration

一级学科名称: 工商管理 Business Administration

总学分 Total credits: 29

课程类别 Category	课程名称 Courses	考核 Exam/check	学分 Credit	学时 Credit Hours			开课学 期 Semester	开课单位 Teaching faculty	备注 Notes	
				总计 Total	讲课 Lecture	实践 Practice				
学位课 Degree Courses	公共课 Public course	汉语 Chinese	考试 Exam	4	64	64		1、2	外国语学院	必修 Compulsory
		中国概况 Chinese Society and Culture	考查 Check	3	48	48		2	外国语学院	必修 Compulsory
	基础课 Basic course	高等运筹学 Advanced Operational Research	考试 Exam	3	48	32	16	1	管理学院	必修 Compulsory
		现代管理学 Modern Management	考试 Exam	3	48	48		2	管理学院	必修 Compulsory
	专业课 Professional Course	人力资源管理 Human Resource Management	考查 Check	2	32	32		2	管理学院	二选一 choose one from the two
		国际商务管理 International Business Management	考查 Check	2	32	32		2	管理学院	
		营销管理 Marketing Management	考查 Check	2	32	32		3	管理学院	二选一 choose one from the two
		现代物流与供应链管理 The Management of Logistics and Supply Chain	考查 Check	2	32	32		3	管理学院	
		运营管理 Operation Management	考查 Check	2	32	32		3	管理学院	二选一 choose one from the two
		商业分析 Business Analysis	考查 Check	2	32	32		3	管理学院	
		管理学前沿文献选读 Selected Readings of Academic Literature in Management	考试 Exam	2	32	32		2	管理学院	必修 Compulsory
		数据分析 Data Analysis	考查 Check	2	32	32		2	管理学院	必修 Compulsory
	选修课 selective course	概率论与随机过程 Probability Theory and Stochastic Process	考查 Check	2	40	40		1	理学院	至少选 6 个学分 choose 6 credits at least
		统计学 Statistics	考查 Check	2	32	32		2	管理学院	
系统评价方法 System Performance Evaluation Method		考查 Check	2	32	16	16	3	管理学院		

	移动通信技术 Mobile Communication Technology	考查 Check	2	32	30	2	2	通信院
	通信经济学 Communication Economics	考查 Check	2	32	32		1	管理学院
	全球创新与创业 Global Entrepreneurship And Innovation	考查 Check	2	32	32		1	管理学院

\* 备注：根据教育部《来华留学高等教育质量规范（试行）》要求，全英文授课本科留学生毕业须达到汉语水平考试三级（HSK 3）水平或以上。

As is stipulated by the regulation of MOE students must  
pass HSK level 3 or above levels



## 2019 级计算机科学与技术学科硕士研究生培养方案(国际生)

### Training Scheme of Computer Science and Technology for Master Program (for 2019 International Students)

一级学科名称 First-rate discipline	计算机科学与技术 Computer Science and Technology	一级学科代码 Code for first-rate discipline	0812
学科简介 Program Introduction	<p>计算机科学与技术专业是以计算机、通信、数学、物理、法律与管理等学科交叉而成的一门综合性学科，本学科以学习计算机理论与技术为主，兼学通信技术，同时加强数学和物理基础。旨在培养能够从事计算机、通信、电子信息等领域的计算机研究、应用、开发、管理等方面的高层次专业人才。该学科的研究内容包括智能计算技术与应用、模式识别与机器学习、大数据分析处理、物联网技术与应用、嵌入式系统设计与应用和计算机网络软件理论与技术。我校的计算机科学与技术学科经过多年建设，已形成一支具有良好科学素养，科研能力强，教学经验丰富的研究生导师队伍。本专业研究领域广泛，研究成果丰硕。</p> <p>Computer science and technology is an interdisciplinary based on computer science, telecommunications, mathematics, physics, jurisprudence, management science, etc and mainly focuses on the computer theory and technology, while also juggling communication technology and strengthening the foundation of mathematics and physics. The objective of this subject is to cultivate high-level professional talents who can specialize computer research, application, development and management in the area of computer science, telecommunications, electronic information, etc. Its research areas include technology and application of intelligence computation, pattern recognition and machine learning, big data analysis and processing, internet of things technology and application, embedded system designing and application, information network software theory and technology. This subject in our school, after many years' development, has built a professional team of postgraduate tutors with a wide range of research areas and abundant research achievements.</p>		

<p>培养目标 Training Objectives</p>	<p>培养知识、能力和素质全面发展，具有一定的理论基础，较好的计算机技术应用能力，从事计算机及相关领域的科学与工程技术研究的高层次人才。通过课程学习和学位论文工作，使研究生熟练掌握计算机及其相关领域的基本理论和技术，了解学科研究方向的国内外现状和发展动态，具备独立从事科学研究和工程技术的能力。注重培养研究生的进取创新、实事求是的科学态度，严谨求实的工作作风以及良好的协作精神。</p> <p>The objectives are to cultivate high-level professional talents who have a certain theoretical basis, good application ability of computer technology and are engaged in scientific and engineering technology research in computer science and other related fields. Through the study of courses and the work of dissertation, the postgraduates can gain proficiency in basic theory and technology of computer science and other related areas, know the current research status and development trend, obtain the ability to engage in scientific research and engineering technology. In the process of cultivation, we concern on training the innovation ability, practical and realistic attitude towards science, strives for realism rigorously attitude and upstanding team spirit.</p>
<p>研究方向 Research Orientation</p>	<ol style="list-style-type: none"> <li>1. 智能计算技术与应用 (Technology and Application of Intelligence Computation)</li> <li>2. 模式识别与机器学习 (Pattern Recognition and Machine Learning)</li> <li>3. 大数据分析处理 (Big Data Analysis and Processing)</li> <li>4. 物联网技术与应用 (Internet of Things Technology and Application)</li> <li>5. 嵌入式系统设计与应用 (Embedding System Designing and Application)</li> </ol>
<p>毕业要求 Graduation Requirements</p>	<ol style="list-style-type: none"> <li>1、学习年限(period of schooling) 一般为 2.5 至 3 年。( 2.5-3 years )</li> <li>2、课程设置与学分要求(Curriculum and Credit Requirements) 学位课学分不少于 16 学分，总学分不少于 28 学分 The credits of Degree Courses shall not be less than 16, and the total credits shall not be less than 28.</li> <li>3、学位论文要求(Dissertation Requirement) 研究生在修完规定的学分和完成学位论文后，可进行论文答辩。答辩通过者，准予毕业并由学校学位评定委员会批准，授予相应学位。 The master candidates should finish prescribed credits and research dissertation before they defense. After the defense, the appropriate degree will be awarded by the academic committee of the university.</li> </ol>

## 2019 级硕士计算机科学与技术专业培养计划

## Degree Map for Master Program in Computer Science and Technology

一级学科名称: 计算机科学与技术 Computer Science and Technology

总学分: 28

课程类别 Category	课程编号 Course code	课程名称 Courses	考核 Exam/Check	学分 Credit	学时 Credit Hours			开课学期 Semester	开课单位 Teaching faculty	开课教师 Lecturer	备注 Notes	
					总计 Total	讲课 Lecture	实践 Practice					
学位课 Degree course (16 学分) (16 credits)	公共课 Public course	H211001	汉语 Chinese	考试 Exam	3	48	48	1	外国语	彭芑	必修 Compulsory	
		H211002	中国概况 Chinese Society and Culture	考查 Check	3	48	48	2	外国语	张凤	必修 Compulsory	
	基础课 Basic course		算法设计与分析 Algorithm Design and Analysis	考试 Exam	2	40	40	1	计算机	王海艳/徐鹤	必修 Compulsory	
		H102002	最优化方法 Methods of Optimization	考试 Exam	2	40	40	1	理学院	杨振华	必修 Compulsory	
	专业课 Professional Course		人工智能 Artificial Intelligence	考试 Exam	3	48	48	1	计算机	李延超	三选二 Two of the Three	
			物联网技术 Internet of Things Technology	考试 Exam	3	48	48	1	计算机	叶宁		
			网络安全技术 Network Security Technology	考试 Exam	3	48	48	1	计算机	刘斌		
	非学位课 Non-degree course (12 学分) (12 credits)	必修课 Compulsory course	H211004	科研方法与学术论文写作 Research Methodology and Academic Writing	考查 Check	1	20	20	2	计算机	张迎周(要求和通信工程专业合上)	必修 Compulsory
				工具与实验类课程(Matlab与仿真) Tools and Experiment	考查 Check	1	16	16	1	计算机	刘斌	必修 Compulsory

		Course (Matlab and Simulation)									
		大数据分析技术 Big Data Analysis Technology	考查 Check	2	32	32		1	计算机	邹志强	必修 Compulsory
选修课 Selective course		高级软件工程 Advanced Software Engineering	考查 Check	2	32	32		2	计算机	刘铮	七选 四 Four of the Seven
		云计算技术 Cloud Computing Technology	考查 Check	2	32	32		2	计算机	许建	
		汉易码键写与 键学能力培养 Easy Chinese Code and Cultivating of Chinese Keywriting	考查 Check	2	32	32		2	计算机	季一木	
		贝叶斯应用数 据分析 Bayesian Application Data Analysis	考查 Check	2	32	32		2	计算机	刘斌	
		Linux 编程 Linux Programming	考查 Check	2	32	32		1	计算机	王磊	
		射频识别技术 及应用 Radio Frequency Identification Technology and Application	考查 Check	2	32	32		1	计算机	徐鹤	
		机器学习 Machine Learning	考查 Check	2	32	32		2	计算机	李平	
<p><b>* 备注：根据教育部《来华留学高等教育质量规范（试行）》要求，全英文授课本科留学生毕业须达到汉语水平考试三级（HSK 3）水平或以上。</b></p> <p><b>As is stipulated by the regulation of MOE students must pass HSK level 3 or above levels</b></p>											

## 2019 级信息与通信工程学科博士研究生培养方案(国际生)

### Training Scheme of Information and Communication Engineering for Ph.D. Program (for 2019 International Students)

<p>一级学科名称 First-rate discipline</p>	<p>信息与通信工程 Information and Communication Engineering</p>	<p>一级学科代码 Code for first-rate discipline</p>	<p>0810</p>
<p>学科简介 Program Introduction</p>	<p>信息科学是 21 世纪三大科技支柱之一，也是国家科技发展战略的重点，而通信与信息科学又是信息科学中的核心学科，它研究以信息传输、交换以及信息网络为主体的各类通信与信息科学。其主要理论和技术已广泛应用于通信和信息科学的各个领域，主要包括各类有线/无线通信、雷达、导航、电子对抗、电视广播和遥控遥测等国民经济和军事部门的各种通信和信息科学。</p> <p>本学科为江苏省重点学科，所属的一级学科为国家重点学科培育建设点和江苏省优势学科。</p> <p>Information Science is one of the three pillars of 21st century technology. The communication and information system is the core discipline of information science, which studies the various types of communication and information system ,such as information transfer, information exchange and networking. The main theories and techniques have been widely used in various fields of communication and information science, including various communications and information systems of various types of wired / wireless communications, radar navigation, electronic warfare, television broadcasting and remote telemetry and other economic and military departments.</p> <p>This discipline is the national key discipline (Foster) and Jiangsu provincial key discipline, and its father discipline is the national key discipline and priority academic program of Jiangsu higher education.</p>		
<p>培养目标 Training Objectives</p>	<p>培养博士研究生具有严谨的治学态度和实事求是的工作作风，掌握通信与信息领域坚实宽广的基础理论和系统深入的专业知识，能够深入了解和掌握国内外通信和信息领域内的发展趋势及前沿课题，具有创造性地进行理论与新技术的研究能力，具有独立研究、分析与解决本专业技术问题的能力。对本学科某方面具有深入研究并取得独创性成果，熟练掌握一门外语，能承担相关的研究与开发课题，具备成为学术带头人或项目负责人的素质，且具有技术管理能力。</p> <p>PhD students should have a rigorous and realistic scientific attitude and style of work, comprehensive grasp of basic theories and systematic in-depth expertise in the field of communication and information. They should have the ability to understand and grasp the development trend of domestic and international communications and information in the field of cutting-edge topics and, the ability</p>		

	<p>to conduct research with creative theories and new technologies, with independent researching, analyzing and solving the technical problems. They should master a foreign language, and can take the discipline-related research and development. They should have the ability of the academic leaders or project leader, and have the technology management capabilities.</p>
<p>研究方 Research Orientation</p>	<ol style="list-style-type: none"> <li>1. 宽带无线通信(Broadband Wireless Communication)</li> <li>2. 信号与信息处理(Signal and Information Processing)</li> <li>3. 下一代通信网络技术(Next Generation of Communication Techniques)</li> <li>4. 信息安全(Information Security)</li> <li>5. 信息获取与控制(Information Acquisition and Control)</li> </ol>
<p>毕业要求 Graduation Requirements</p>	<ol style="list-style-type: none"> <li>1、学习年限(period of schooling) 一般为 3~4 年。( from three years to four years )</li> <li>2、课程设置与学分要求(Course Requirement) 课程要求：学位课学分不少于 15 分，总学分不少于 20 学分。 Course Requirement: The credits for Degree Programs require 15 at least, and total credits require 19 at least.</li> <li>3、语言要求(Language Requirement) 通过汉语水平考试 3 级以上。 Pass the Chinese language ability for foreigners (HSK) level 3 or above.</li> <li>4、申请学位成果要求 应发表 SCI 检索论文 1 篇或者 EI 检索 2 篇以上。 PhD candidates should publish at least one SCI cited paper or two EI cited paper before they defense.</li> <li>5、学位论文要求(Dissertation Requirement) 研究生在修完规定的学分和完成学位论文后，可进行论文答辩。答辩通过者，准予毕业并由学校学位评定委员会批准，授予相应学位。 PhD candidates should finish prescribed credits and research dissertation before they defense. After the defense, the appropriate degree will be awarded by the academic committee of the university.</li> </ol>

2019 级博士信息与通信工程专业培养计划  
Degree Map for Doctoral Program in Information and Communication Engineering

一级学科名称：信息与通信工程 Information and Communication Engineering

总学分：20

课程类别 Category	课程编号 Course code	课程名称 Courses	考核 Exam/ Check	Credit	学时 Credit Hours			开课学期 Semester	开课单位 Teaching faculty	开课教师 Lecturer	备注 Notes
					总计 Total	讲课 Lecture	实践 Practice				
学位课（至少修满 15 学分） Degree course（15 credits at least）	公共课 Public course	中国概况 Chinese Society and Culture	考查 Check	3	48	48		2	外国语		必修 Compulsory
		汉语 Chinese	考试 Exam	4	64	64		1, 2	外国语		必修 Compulsory
	基础课 Special basis course	应用泛函分析 Application of Functional Analysis	考试 Exam	2	40	40		1	理学院	赵君喜	必修 Compulsory
		专业课 Professional Course	数字通信 Digital Communication	考试 Exam	3	48	48		1	通信院	宋荣方
	信息论基础 Fundamentals of Information Theory		考试 Exam	3	48	48		1	通信院	赵生妹	必修 Compulsory
非学位课（至少 5 学分） Non-degree course（5 credits at least）	必修课 Required course	科研方法与学术论文写作 Research Methodology and Academic Writing	考查 Check	1	20	20		2	计算机		必修 Compulsory
		学术专著阅读 (Academic reading)	考查 Check	1	16	16		1			必修 Compulsory
	选修课 selective course	通信信号处理 Communication Signal Processing	考查 Check	2	32	32		3	通信院	田峰	二选一 One of the two
		网络与信息全 Security of Networks and Information	考查 Check	2	32	32		2	计算机	刘斌	