34.信息与通信系统 Information & Communication Engineering

Course Category 课程类别		Course title 课程名称	Credit 学分	Term 学期	School by which Courses opened 开课学院	Remark 备注
Degree Courses 学位课	**Compulsory Subjects for All Students** 公共必修	Overview of China 中国文化概论	3	1	Overseas Education College 海外教育学院	Compulsory 必修
		Chinese 汉语	4	1，2		
	Fundamental Theories 基础理论	Numerical Analysis 数值分析	2	1	Faculty of Science 理学院	Choose any two 必修 2 门
		Mathematic Statistics 数学统计	2	1	School of Finance 财经学院	
		Matrix 矩阵	2	1	Faculty of Science 理学院	
		Random Process	2	1	School of Computer Science & Communication Engineering 计算机学院	
	Professional Foundation or Specialized Courses 专业基础	Modern Communication Systems and Networks	4	1,2	School of Computer Science & Communication Engineering 计算机学院	Compulsory 必修
		Communication Systems Design & Application	2	1	School of Computer Science & Communication Engineering 计算机学院	
Specialized Elective Courses 专业选修		Optical Communication Technology	2	2	School of Computer Science & Communication Engineering 计算机学院	Choose at least two 至少选 2 门
		Principles and Applications of Mobile Communication	2	2	School of Computer Science & Communication Engineering 计算机学院	
		Multi-antenna Communications	2	2	School of Computer Science & Communication Engineering 计算机学院	
		Communication Network Simulation Technology	2	2	School of Computer Science & Communication Engineering 计算机学院	

		Networks and Collective Behavior	2	2	School of Computer Science & Communication Engineering 计算机学院	
		Advanced Computer Network	2	2	School of Computer Science & Communication Engineering 计算机学院	
		Modern Digital Signal Processing	2	2	School of Computer Science & Communication Engineering 计算机学院	
		Image Processing	2	2	School of Computer Science & Communication Engineering 计算机学院	
		Applications of Wireless Sensor Network	2	2	School of Computer Science & Communication Engineering 计算机学院	
		Electronic Design Automation	2	2	Electrical and information Engineering College 电气学院	
Selective for All 公共选修	**Research and Information Literacy** Ⅰ 研究及信息素养Ⅰ	Literature Retrieval & Utilization	2	1	Graduate School Overseas Education College 研究生院 海外教育学院	Selective 任选
		Paper writing		1		
	Research and Information LiteracyⅡ 研究及信息素养Ⅱ	Patent application	1	2		
Practical Procedure 实践环节		Special Practice	2	2	School of Computer Science & Communication Engineering 计算机学院	
Scientific Frontiers & Symposiums 学术前沿及学术交流			1	1，2	School of Computer Science & Communication Engineering 计算机学院	

Supplementary Courses 补修课程	Principles of Communication	5	1 or 2	School of Computer Science & Communication Engineering 计算机学院	Two for Trans-disciplinary students 跨专业补修 2 门
	Signals and Linear Systems	5	1 or 2	School of Computer Science & Communication Engineering 计算机学院	
	Telecommunication Networks	4	1 or 2	School of Computer Science & Communication Engineering 计算机学院	