

## 12. 计算机科学与技术 Computer Science & Technology

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	Overseas Education College 海外教育学院	
	Fundamental Theories 基础理论	Numerical Analysis 数值分析	2	1	Faculty of Science 理学院	Choose at least two 至少选 2 门
		Mathematic Statistics 数理统计	2	1	School of Finance 财经学院	
		Matrix 矩阵	2	1	Faculty of Science 理学院	
	Mathematical Logic 数学逻辑	2	1	School of Computer Science & Communication Engineering 计算机学院		
	Professional Foundation or Specialized Courses 专业基础课	Advanced Object-Oriented Technology and Application	4	1,2	School of Computer Science & Communication Engineering 计算机学院	Compulsory 必修
		Distributed computing technology	2	1	School of Computer Science & Communication Engineering 计算机学院	
Specialized Elective Courses 专业选修课		Information Security Technology	2	2	School of Computer Science & Communication Engineering 计算机学院	Choose at least two 至少选 2 门
		Human-Computer Interaction Technology	2	2	School of Computer Science & Communication Engineering 计算机学院	
		Cryptography and Network Security	2	2	School of Computer Science & Communication Engineering 计算机学院	
		Principles and Techniques of Search Engine	2	2	School of Computer Science & Communication Engineering 计算机学院	

		Software System Design and Development	2	2	School of Computer Science & Communication Engineering 计算机学院	
		Machine Learning	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	
		Embedded System	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	
		Cloud Computing	2	2	School of Computer Science & Communication Engineering 计算机学院	
<b>Selective for All 公共选修</b>	<b>Research and Information Literacy I 研究及信息素养 I</b>	Literature Retrieval & Utilization 文献检索	1	1	Graduate School Overseas Education College 研究生院 海外教育学院	<b>Selective 任选</b>
		Paper writing 论文写作	1	2		
	<b>Research and Information Literacy II 研究及信息素养 II</b>	Patent application 专利申请	1	2		
<b>Practical Procedure 实践环节</b>	Special Practice 专业实践	2	2	School of Computer Science & Communication Engineering 计算机学院		
<b>Scientific Frontiers &amp; Symposiums 学术前沿及学术交流</b>		1	1, 2			

<b>Supplementary Courses</b> 补修课程	Principles of Computer Composition	4	1 or 2	School of Computer Science & Communication Engineering 计算机学院	Two for Trans-discipl inary students 跨专业选修 2 门
	Data Structure	4	1 or 2	School of Computer Science & Communication Engineering 计算机学院	
	Operating System	4	1 or 2	School of Computer Science & Communication Engineering 计算机学院	