

20. 仪器科学与技术 Instrument 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 Public 公共必修课	Chinese 汉语	4	1,2	Overseas Education College 海外教育学院	Compulsory 必修 2 门	
		Overview of China 中国文化概论	3	1	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	Compulsory 必修 2 门	
		Mathematical Statistics 数理统计	2	1	School of Finance 财经学院		
	Professional Foundation or Specialized Courses 专业基础课	Process control Instrumentation Technology 过程控制仪表技术	Sensor Electronics 传感器电子学	2	1	School of Mechanical Engineering 机械工程学院	Choose at least two 至少选 2 门
			Error Theory and Test Data Processing 误差理论与测试数据处理	2	2	School of Mechanical Engineering 机械工程学院	
			Measurement Technology Based on Machine Vision 机器视觉测量技术	2	2	School of Mechanical Engineering 机械工程学院	
Professional Elective Courses 专业选修课	Non-destructive Testing Technology 无损检测技术		2	2	School of Mechanical Engineering 机械工程学院	Choose at least three 至少选 3 门	
	Multi-sensor Information Fusion Technology 多传感器信息融合技术		2	1	School of Mechanical Engineering 机械工程学院		
	Virtual Instrument Technology and Applications 虚拟仪器技术及应用		2	2	School of Mechanical Engineering		
	Measurement Technology Based on Machine Vision 机器视觉测量技术		2	2	School of Mechanical Engineering 机械工程学院		

					机械工程学院	
	Wireless Microcontroller Network Technology 无线单片机网络技术		2	2	School of Mechanical Engineering 机械工程学院	
	Micro-nano Detection Technology 微纳检测技术		2	1	School of Mechanical Engineering 机械工程学院	
	Digital signal processing 数字信号处理		2	2	School of Mechanical Engineering 机械工程学院	
Public Elective Courses 公共选修课	Research and Information Literacy I 研究及信息 素养课（公共 选修） I	Literature Retrieval & Utilization 文献检索	1	1	Graduate School Overseas Education College 研究生院 海外教育学院	Selective 任选
		Paper writing 论文写作	1	2		
	Research and Information Literacy II 研究及信息 素养课（公共 选修） II	Patent application 专利申请	1	2		
Other courses 其他课程	Practical Procedure 实践环节	Special Practice 专业实践	2	2	School of Mechanical Engineering 机械工程学院	
	Scientific Frontiers & Symposia 学术前沿及学术交流		1	1, 2		
Supplementary Courses 补修课程						Two for Trans-disciplinary students 跨专业补修 2 门