

## 6. 农业工程 Agricultural 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 公共必修课	Overview of China 中国文化概论	2	1	Overseas Education College 海外教育学院	Compulsory 必修
		Chinese 汉语	3	1, 2	Overseas Education College 海外教育学院	
	Fundamental Theories 基础理论	Mathematic Model 数学模型	2	1	School of Science 理学院	
		Chaos theory 混沌理论	2	1	School of Science 理学院	
	Professional Foundation or Specialized Courses 专业基础	Advanced Agricultural Machinery Principles 高等农业机械原理	2	2	School of Agricultural Equipment Engineering 农装院	Choose any two 必修 2 门
		Water and Fertilizer Function of Plant Biogeochemistry 植物土壤水肥作用	2	2	School of Agricultural Equipment Engineering 农装院	
		Computer Vision Technique in Biomechatronics 农业工程中的计算机视觉技术	2	2	School of Agricultural Equipment Engineering 农装院	
		Modern Power Electronic Technique and Theory 计算机控制理论与系统设计	2	2	School of Agricultural Equipment Engineering 农装院	
		Computer Control Theory and System Design 现代电气传动理论与技术	2	2	School of Agricultural Equipment Engineering 农装院	
	Specialized Elective Courses 专业选修课	Environmental Control of Agricultural Biosystems 农业生物环境控制学	2	2	School of Agricultural Equipment Engineering 农装院	Choose at least one 至少选 1 门

		Modeling and Control of Mechanical Systems 机械系统建模与控制	2	2	School of Agricultural Equipment Engineering 农装院	
		Monitoring and Control Technology in Agricultural Equipment 农业装备监测与控制	2	2	School of Agricultural Equipment Engineering 农装院	
		Theory & Control of Power Quality 电能质量理论与控制	2	2	School of Agricultural Equipment Engineering 农装院	
		Computer Network and Communication Technique 计算机网络与通信技术	2	2	School of Agricultural Equipment Engineering 农装院	
		Agro hydrology 农田水文	2	2	School of Agricultural Equipment Engineering 农装院	
		Testing Principles and Technical of Plant adversity 种植机械设计理论与分析方法	2	2	School of Agricultural Equipment Engineering 农装院	
		Testing Principles and Technical of Plant adversity 植物逆境检测原理及技术	2	2	School of Agricultural Equipment Engineering 农装院	
		Biological and Environmental Parameter Detection and Control Focus 环境与生物参数监测及控制	2	2	School of Electrical and Information Engineering 电气学院	
<b>Public Elective Courses</b> 公共选修课	<b>Research and Information Literacy I</b> 研究及信息素养课 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
		Academic Writing 论文写作	1	2		

	<b>Research and Information Literacy II</b> 研究及信息素养课 II	Patent Application 专利申请	1	2		
<b>Scientific Frontiers &amp; Symposiums</b> 学术前沿及学术交流			1	1, 2	School of Agricultural Equipment Engineering 农装院	