

## 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	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 any two 必修 2 门
		Mathematic Statistics 数理统计	2	1	School of Finance 财经学院	
		Matrix 矩阵论	2	1	Faculty of Science 理学院	
	Professional Foundation or Specialized Courses 专业基础	Water and Nutrition Metabolism in Plants 植物水分与营养代谢	2	2	School of Agricultural Equipment Engineering 农装学院	Choose any two 必修 2 门
		Design of Experiment and Statistical Analysis 实验设计与分析	2	2	School of Agricultural Equipment Engineering 农装学院	
		Agricultural Machinery 农业机械学	2	2	School of Agricultural Equipment Engineering 农装学院	
		Computer Control Theory and Application 计算机控制理论及应用	2	2	School of Electrical and Information Engineering 电气学院	
	Specialized Elective Courses 专业选修课	Introduction of modern instruments and experimental techniques 现代仪器与实验技术	2	2	School of Agricultural Equipment Engineering 农装学院	Compulsory 必修
System Engineering 系统工程		2	2	School of Agricultural Equipment Engineering 农装学院	Choose at least three 至少选 3 门	
Mechanical Control Engineering 机械控制工程		2	2	School of Agricultural Equipment Engineering 农装学院		
Experiment and Analysis of Harvesting Machinery 收获机械试验与分析		2	2	School of Agricultural Equipment Engineering 农装学院		

		Theory and Technology of Planting Machine 种植机械理论与技术	2	2	School of Agricultural Equipment Engineering 农装学院	
		Soil and Water Management Systems 水土管理系统	2	2	School of Agricultural Equipment Engineering 农装学院	
		Introduction of Water and Soil Resources 水土资源概论	2	2	School of Agricultural Equipment Engineering 农装学院	
		Modeling, Optimization and Simulation of Control System 控制系统建模、优化与仿真	2	2	School of Electrical and Information Engineering 电气学院	
Selective for All 公共选修课	Research and Information Literacy I 研究及信息素养 I	Literature Retrieval & Utilization 文献检索	2	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		
	Research and Information Literacy II 研究及信息素养 II	Patent application 专利申请	1	2		
Practical Procedure 实践环节		Special Practice 专业实践	2	2	School of Agricultural Equipment Engineering 农装学院	
Scientific Frontiers & Symposiums 学术前沿及学术交流			1	1, 2		
Supplementary Courses 补修课程		机器视觉及其应用	2	2	School of Agricultural Equipment Engineering 农装学院	Two for Trans-disciplinary students 跨专业补修 2 门
		传感网与物联网技术	2	2	School of Electrical and Information Engineering 电气学院	