

## 1. 机械工程 Mechanical 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	The Modern integrated manufacturing technology 现代集成制造技术	2	2	School of Mechanical Engineering 机械学院	Choose at least two 至少选 2 门
		Modern control engineering 现代控制工程学	2	2	School of Mechanical Engineering 机械学院	
		Mechanical finite element theory and application 机械有限元理论 及应用	2	2	School of Mechanical Engineering 机械学院	
		Strain gradient Plasticity theory 应变梯度塑性理论	2	2	School of Mechanical Engineering 机械学院	
		Micro/nano Technology 微/纳米技术	2	2	School of Mechanical Engineering 机械学院	
		Special Micro fabrication technology 特种微细加工技术	2	2	School of Mechanical Engineering 机械学院	
Modern Control Engineering 现代控制工程		2	2	School of Automotive and Traffic Engineering 汽车学院		

		Advanced Vehicle Dynamics	2	2	School of Automotive and Traffic Engineering 汽车学院	
		Modeling and Simulation of Vehicle System	2	2	School of Automotive and Traffic Engineering 汽车学院	
		Vehicle Electronic Technology	2	2	School of Automotive and Traffic Engineering 汽车学院	
<b>Specialized Elective Courses</b> 专业选修课		Photon Manufacturing Scientific Basis 光子制造科学基础	2	2	School of Mechanical Engineering 机械学院	Selective 任选
		板料成形理论与力学	2	2	School of Mechanical Engineering 机械学院	
		先进材料制造技术	2	2	机械学院 School of Mechanical Engineering 机械学院	
		Automotive Technologies of Energy-saving and Environment	2	2	汽车学院 School of Automotive and Traffic Engineering 汽车学院	
		Basis of Vehicle Aerodynamics	2	2	汽车学院 School of Automotive and Traffic Engineering 汽车学院	
<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	1		
	<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 Mechanical Engineering 机械学院	