

21. 化学工程与技术 Chemical Engineering & 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	3	1	Faculty of Science 理学院	
		Mathematic Statistics 数理统计	3	1	School of Finance 财经学院	
		Advanced Inorganic Chemistry 高等无机化学	3	1	School of Chemistry and Chemical Engineering 化学化工学院	
		Advanced Organic Chemistry 高等有机化学	3	1	School of Chemistry and Chemical Engineering 化学化工学院	
		Advanced Physical Chemistry 高等物理化学	3	1	School of Chemistry and Chemical Engineering 化学化工学院	
		Modern Analytical Chemistry 现代分析化学	3	1	School of Chemistry and Chemical Engineering 化学化工学院	
	Professional Foundation or Specialized Courses 专业基础	Chemical Reaction Engineering Reviews 化学反应工程概述	3	1	School of Chemistry and Chemical Engineering 化学化工学院	Choose any two 必修 2 门
		Catalysis Chemistry 催化化学	3	2	School of Chemistry and Chemical Engineering 化学化工学院	

		Advanced Coordination Chemistry 高等配位化学	3	1	School of Chemistry and Chemical Engineering 化学化工学院	
		Instrumental Analysis Experiment 高等仪器分析实验	3	1	School of Chemistry and Chemical Engineering 化学化工学院	
Specialized Elective Courses 专业选修课		Separation Science and Technology 分离科学与技术	3	2	School of Chemistry and Chemical Engineering 化学化工学院	Choose at least two 至少选 2 门
		Nano-chemistry 纳米化学基础	3	2	School of Chemistry and Chemical Engineering 化学化工学院	
		Metal Organic Chemistry 金属有机化学	3	2	School of Chemistry and Chemical Engineering 化学化工学院	
		Sustainable Development and Cleaner Production 可持续发展与生产	3	2	School of Chemistry and Chemical Engineering 化学化工学院	
		Advanced Materials and Applications 先进材料及其应用	3	2	School of Chemistry and Chemical Engineering 化学化工学院	
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 Chemistry and Chemical Engineering 化学化工学院	
Scientific Frontiers & Symposiums 学术前沿及学术交流			1	1, 2	School of Chemistry and Chemical Engineering 化学化工学院	

Supplementary Courses 补修课程	Chemical Reaction Engineering 化学反应工程	1	1	School of Chemistry and Chemical Engineering 化学化工学院	Two for Trans-disciplinary students 跨专业补修 2 门
	Chemical Technology 化工工艺学	1	1	School of Chemistry and Chemical Engineering 化学化工学院	
	Industrial Catalysis 工业催化	1	2	School of Chemistry and Chemical Engineering 化学化工学院	
	Chemical Principles 化工原理	1	2	School of Chemistry and Chemical Engineering 化学化工学院	