

核科学与技术学院硕士留学生培养方案

College of Nuclear Science and Technology Curriculum for Student Abroad (For Masters)

类别 Category		课程编号 Course No.	课程名称 Course name	学时 H ours	学分 Cr edit	开课学期 Lectu ring semester	
学位课 Degree courses	公共学位课 General degree courses	143301	汉语课 Chinese	48	3	1	学校集中 开课 Comm on Course
		143302	中国概况 Survey of China	48	3	2	
	基础理论课 Basic courses	003201	数学物理方法 Math in Physics	48	3	1	必选 Required
		003202	数值计算 Numerical Methods	32	2	1	
		153405	核物理 Nuclear Physics	32	2	2	
		153406	核化学 Nuclear Chemistry	32	2	2	
		153401	核反应堆工程 Nuclear Reactor Engineering	32	2	1	至少选1门 Required (Choose 1 at least)
		153816	过渡元素化学 Transition Element Chemistry	32	2	1	
		153403	加速器物理 Accelerator Physics	32	2	2	
		153404	电离辐射防护与辐射源安全 Protection Against Ionizing Radiation and Safety of Radiation Sources	32	2	1	
综合环节 synthesis	153601	文献综述报告 Report of Literature Review	-	1	2	必选 Required	
	153602	学术活动 Academic Activities	-	1	4		
	153701	综合实验 Comprehensive Experiment	-	1	4		
专业选修课 Specialized elective courses	153501	两相流动和沸腾换热 Two-phase Flow and Boiling Heat Transfer	32	2	1		
	153502	核动力装置安全分析 Safety Analysis of Nuclear Power Plant	32	2	1		
	153503	核动力装置仿真技术 Nuclear Power Plant Simulation	32	2	2		
	153504	反应堆物理数值计算 Computing Methods in Reactor Physics	32	2	2		
	153505	核动力热工水力分析 Thermal-hydraulics in Nuclear Power Technology	32	2	2		
	153507	核燃料循环技术 Nuclear Fuel Cycle Technology	32	2	1		
	153509	环境辐射及量测 Enviroment Radiation and Measurement	32	2	1		
	153510	粒子探测与数据处理 Particle Detection and Data Processing	32	2	1		
	153804	核工程检测仪表 Nuclear Engineering Detection Instrument	32	2	2		
	153817	核医学仪器与方法 Nuclear Medicine Instrument and Method	32	2	2		
	157813	放射性废物处理与处置 Radioactive Waste Disposal	32	2	2		

157822	核安全与核安全文化 Nuclear Safety and Culture	32	2	2
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所修总学分不低于26学分，其中学位课17学分。
Every student should get 26 credits, in which degree course credit is 17.