

**理学院光学工程硕士留学生培养方案**  
**College of Science Curriculum for Optical Engineering Students Abroad**  
**(For Masters)**

类别 Category		课程编号 Course No.	课程名称 Course Name	学时 Hours	学分 Credits	开课学期 Lecturing semester	备注 Remark
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 Common Course
		143302	中国概况 Survey of China	48	3	2	学校集中开课 Common Course
	基础理论课 Basic courses	003202	数值计算 Numerical Methods	32	2	1	必选 Required
		113402	光学系统设计 I Design of Optical System I	32	2	2	
		113407	高等物理光学 I Advanced Physical Optics	48	3	1	
综合环节 Synthesis	113701	综合实验 II Synthetic Experiments II	-	1	2	必选 Required	
	113601	文献综述报告 Report of Literature Review	-	1	2		
	113602	学术活动 Academic Activities	-	1	3		
专业选修课 Specialized optional courses	113826	光纤生化传感器原理与应用 Principle and Application of Chemical and Biological Fiber-optic Sensors	16	1	2		
	113821	现代光学实验 Modern Optical Experiment	16	1	1		
	113819	如何撰写英文论文 How to Write a Scientific Paper in English	16	1	2		
	113806	纳米光子学 Nano Photonics	16	1	2		
	113405	非线性光学 Nonlinear Optics	32	2	2		
	113801	光学测试技术 Optical Measurement and Testing Technology	16	1	2		
	113805	近场光学 Near-Field Optics	16	1	2		
	113811	白光干涉技术的原理与应用 White-Light Interferometry: Principles and Applications	16	1	2		
	113814	光镊原理及应用 Optical tweezers theory and application	16	1	2		
	113816	微纳材料与器件 Micro/Nano materials and device	16	1	2		
	113822	科学研究导论 Introduction of Scientific Research	16	1	2		
	113851	光纤传感系统设计 Design of Fiber Optic Sensors	16	1	2		

所修总学分不低于26学分，其中学位课13学分，综合环节3学分，专业选修课10学分。

Every student should get 26 credits, in which degree course credits is 13, synthesis credits is 3, specialty optional course credits is 10.