

19. 光学工程 Optical Engineering

Course Category		Course name	Credit	Term	School by which Courses opened	Remark	
Degree Courses	Compulsory Subjects for Public	Overview of China	3	1	Overseas Education College	Compulsory	
		Chinese	4	1, 2	Overseas Education College		
	Fundamental Theories	Numerical Analysis	2	1	Faculty of Science		
		Mathematical Statistics	2	1	Faculty of Science		
	Professional Foundation or Specialized Courses	Applied optics	Applied optics	3	1	School of Mechanical Engineering	At least one of them
			Laser technology	3	1	School of Mechanical Engineering	
Modern optics experiments		2	2	School of Mechanical Engineering	Compulsory		
Professional Elective Courses		Modern optical testing technology	2	2	School of Mechanical Engineering	At least two of them	
		Fourier optics	2	1	School of Mechanical Engineering		
		Optical system design	2	1	School of Mechanical Engineering		
		Micro structure optical fiber and its application	2	2	School of Mechanical Engineering		
		Transient signal measurement technology and Application	2	2	School of Mechanical Engineering		
		Fiber optics and optical fiber technology	2	2	School of Mechanical Engineering		
		Optical communication device modeling and Simulation Technology	2	2	School of Mechanical Engineering		
		Laser machining	2	2	School of Mechanical Engineering		
Public Elective Courses	Research and Information Literacy I	Literature Retrieval & Utilization	2	1	Graduate School Overseas Education College	Selective	
		Paper Writing		1			
	Research and Information Literacy II	Patent Application	1	2			

Scientific Frontiers & Symposiums		1	1,2	School of mechanical engineering	
Supplementary courses	Electromagnetic field and wave	2	1	School of mechanical engineering	For Trans-disciplinary students