



2023/2024 学年北京理工大学留学研究生招生专业一览表 2023/2024 List of BIT International Students Graduate Programs

项目 Program	招生类别 Degree Level	授课语言 Instructional Language	研究方向 Research Field	学院 School	导师信息 Supervisors' Information
航空宇航科学与技术 Aeronautics & Astronautics Science and Technology	硕士、博士 Master & Ph.D.	汉语、英语 Chinese & English	1. 飞行器总体设计 Aircraft design 2. 飞行动力学与控制 Aerodynamics and control 3. 航天器系统与自主技术 Spacecraft systems and autonomous technologies 4. 宇航推进技术 Aerospace propulsion technology 5. 航空宇航制造及其自动化 Aerospace manufacturing and automation 6. 航天发射技术 Space launch technology	宇航学院 School of Aerospace Engineering	https://isc.bit.edu.cn/schools/a/e/knownprofessors/index.htm
力学 Mechanics	硕士、博士 Master & Ph.D.	汉语、英语 Chinese & English	1. 力学 General mechanics 2. 流体力学 Fluid mechanics 3. 变形介质力学 Mechanics of deformable media	宇航学院 School of Aerospace Engineering 机电学院 School of	https://isc.bit.edu.cn/schools/a/e/knownprofessors/index.htm https://isc.bit.edu.cn/schools/m/e/knownprofessors17/index.htm





				Mechatrical Engineering	m
兵器科学与技术 Armament Science and Technology	硕士、博士 Master & Ph.D.	硕士：汉语 Master: Chinese	1. 武器设计与应用工程 Weapon design and application engineering	机电学院 School of Mechatrical Engineering	https://isc.bit.edu.cn/schools/m/knowninprofessors17/index.htm
		博士：汉语、英语 Ph.D.: Chinese & English	2. 毁伤技术与弹药工程 Damage technology and ammunition engineering 3. 爆炸冲击与先进防护 Explosion theory and impact engineering 4. 含能材料与特种能源 Energetic materials and special energy 5. 目标探测与智能控制 Target detection and ammunition information 6. 安全技术与保护工程 Safety technology and protection engineering		
安全科学与工程 Safety Science and Engineering	硕士、博士 Master & Ph.D.	硕士：汉语 Master: Chinese	1. 系统安全理论与评价 Systematic safety theory and evaluation	机电学院 School of Mechatrical Engineering	https://isc.bit.edu.cn/schools/m/knowninprofessors17/index.htm
		博士：汉语、英语 Ph.D.: Chinese & English	2. 危险物质及其安全性 Dangerous substances and safety engineering 3. 灾害演化动力学 Disaster evolution dynamics 4. 安全监控与事故再现 Safety monitoring and accident reconstruction 5. 工程安全与控制技术 Engineering safety and control technology		
机械工程	硕士、博士	汉语、英语	1. 车辆理论与无人机技术	机电学院	https://isc.bit.edu.cn/schools/m





<p>Mechanical Engineering</p>	<p>Master & Ph.D.</p>	<p>Chinese & English</p>	<p>Vehicle theory and unmanned vehicle technology 2. 智能网联汽车与电驱动 Intelligent connected vehicles and electric drive 3. 智能制造工程 Intelligent manufacturing engineering 4. 智能机器人与系统 Intelligent robots and systems 5. 机电系统与传感器 Electromechanical systems and sensors 6. 光机电微纳制造科学与工程 Opto-electronics micro-nano fabrication science and engineering</p>	<p>School of Mechatronical Engineering 机械与车辆学院 School of Mechanical Engineering</p>	<p>e/knowinprofessors17/index.htm</p>
<p>动力工程及工程热物理 Power Engineering and Engineering Thermophysics</p>	<p>硕士、博士 Master & Ph.D.</p>	<p>汉语、英语 Chinese & English</p>	<p>1. 工程热物理 Engineering thermophysics 2. 动力机械及工程 Power machinery and engineering 3. 流体机械及工程 Fluid machinery and engineering 4. 能源环境工程 Energy and environmental engineering 5. 新能源科学与工程 New energy science and engineering</p>	<p>机械与车辆学院 School of Mechanical Engineering</p>	<p>https://me-english.bit.edu.cn/people/faculty/index.htm</p>
<p>光学工程 Optical Engineering</p>	<p>硕士、博士 Master & Ph.D.</p>	<p>汉语、英语 Chinese & English</p>	<p>1. 微光与超宽波段成像 Broad-band photoelectronic imaging and perception</p>	<p>光电学院 School of Optoelectronics</p>	<p>https://isc.bit.edu.cn/schools/optoelectronics/knowningprofessors18/index.htm</p>





			<ol style="list-style-type: none"> 2. 混合现实与新型显示 Mixed reality and advanced display 3. 光学设计、加工与探测 Optical design, manufacture and testing 4. 激光与光电子技术 Laser and optoelectronics technology 5. 微纳光学与光子学 Micro-nano optics and photonics 6. 信息光学与色彩工程 Information optics and color engineering 		
<p>仪器科学与技术 Instrument Science and Technology</p>	<p>硕士、博士 Master & Ph.D.</p>	<p>汉语、英语 Chinese & English</p>	<ol style="list-style-type: none"> 1. 仪器总体设计与系统集成 Instrument design and system integration 2. 智能感测与新型成像 Intelligent sensing and new imaging 3. 精密光电测试技术与仪器 Precision photoelectric testing technology and instruments 4. 光学场景仿真与系统评估 Optics scene simulation and system evaluation 	<p>光电学院 School of Optoelectronics</p>	<p>https://isc.bit.edu.cn/schools/optoelectronics/knowningprofessors18/index.htm</p>
<p>信息与通信工程 Information and Communication Engineering</p>	<p>硕士、博士 Master & Ph.D.</p>	<p>汉语、英语 Chinese & English</p>	<ol style="list-style-type: none"> 1. 通信系统理论与技术 Communication system theory and technology 2. 移动通信系统理论与技术 Mobile communication theory and technology 3. 信号与成像处理 Signal and imaging processing 4. 信息处理理论与技术, 信息安全理论与技术 	<p>信息与电子学院 School of Information and Electronics</p>	<p>https://isc.bit.edu.cn/schools/ia/knowninprofessors10/index.htm</p>





			<p>及对策</p> <p>Information processing theory and technology, theory and technology in information security and countermeasures</p> <p>5. 目标检测与识别理论与技术</p> <p>Target detection and recognition theory and technology</p>		
<p>电子科学与技术</p> <p>Electronics Science and Technology</p>	<p>硕士、博士</p> <p>Master & Ph.D.</p>	<p>汉语、英语</p> <p>Chinese & English</p>	<p>1. 射频技术软件</p> <p>Radio frequency technology and software</p> <p>2. 微波与太赫兹技术</p> <p>Microwave and Terahertz Technology</p> <p>3. 智能电子信息系统</p> <p>Intelligent electronics information and system</p> <p>4. 微电子学与固体电子学</p> <p>Microelectronics and solid state electronics</p> <p>5. 信号与图像处理</p> <p>Signal and image processing</p>	<p>集成电路与电子学院</p> <p>School of Integrated Circuits and Electronics</p>	<p>https://isc.bit.edu.cn/schools/IntegratedCircuitsandElectronics/KnowingtheProfessors/index.htm</p>
<p>集成电路科学与工程</p> <p>Integrated Circuit Science and Engineering</p>	<p>硕士、博士</p> <p>Master & Ph.D.</p>	<p>汉语、英语</p> <p>Chinese & English</p>	<p>1. 集成微纳电子科学</p> <p>Integrated micro-nano electronics science</p> <p>2. MEMS 与集成微系统</p> <p>MEMS and integrated microsystems</p> <p>3. 集成电路设计与先进封装</p> <p>Integrated circuit design and advanced packaging</p> <p>4. 柔性电子器件与智造</p> <p>Flexible electronic devices and intelligent</p>	<p>集成电路与电子学院</p> <p>School of Integrated Circuits and Electronics</p>	<p>https://isc.bit.edu.cn/schools/IntegratedCircuitsandElectronics/KnowingtheProfessors/index.htm</p>





			manufacturing		
控制科学与工程 Control Science and Engineering	硕士、博士 Master & Ph.D.	汉语、英语 Chinese & English	<ol style="list-style-type: none"> 智能感知与运动控制 Intelligent sensing and motion control 模式识别与智能系统 Pattern recognition and intelligent systems 导航、制导与控制 Navigation, guidance and control 控制理论与控制工程 Control theory and control engineering 智能信息处理与控制 Intelligent information processing and control 电气工程与控制 Electrical engineering and control 	自动化学院 School of Automation	https://isc.bit.edu.cn/schools/automation/knownprofessors2/index.htm
计算机科学与技术 Computer Science and Technology	硕士、博士 Master & Ph.D.	汉语、英语 Chinese & English	<ol style="list-style-type: none"> 语言智能与社会计算 Linguistic intelligence and social computing 图像计算与感知智能 Image computing and perceptual intelligence 高性能计算与体系结构 High performance computing and architecture 软件智能与软件工程 Software intelligence and software engineering 数据科学与知识工程 Data Science and Knowledge Engineering 可视媒体计算 Visual media computing 	计算机学院 School of Computer Science and Technology	https://isc.bit.edu.cn/schools/csat/knownprofessors5/index.htm
网络空间安全	硕士、博士	汉语、英语	1. 网络空间安全基础	网络空间安全学院	https://isc.bit.edu.cn/schools/S





Cyberspace Science and Technology	Master & Ph.D.	Chinese & English	<p>Cyberspace security fundamentals</p> <p>2. 密码学及应用 Cryptography and application</p> <p>3. 空天网络与安全通信 Space network and secure communication</p> <p>4. 信息安全与对抗 Information security and confrontation</p>	School of Cyberspace Science and Technology	choolofCyberspaceScienceandTechnology/KnowingtheProfessors20/index.htm
材料科学与工程 Materials Science and Engineering	博士 Ph.D.	汉语、英语 Chinese & English	<p>1. 毁伤与防护材料 Mutilate and protective materials</p> <p>2. 先进材料成型理论与技术 Advanced materials molding theory and technology</p> <p>3. 低维材料物理与化学 Low dimensional materials physics and chemistry</p> <p>4. 功能高分子与阻燃材料 Functional polymer and flame retardant materials</p> <p>5. 材料表面工程 Materials surface engineering</p> <p>6. 含能材料 Energetic materials</p> <p>7. 能源与环境材料 Energy and environmental materials</p>	材料学院 School of Materials Science and Engineering	https://isc.bit.edu.cn/schools/m_sae/knowningprofessors14/index.htm
化学 Chemistry	硕士、博士 Master &	汉语、英语 Chinese & English	<p>1. 无机与材料化学 Inorganic and Materials Chemistry</p>	化学与化工学院 School of Chemistry	https://isc.bit.edu.cn/schools/che/knowningprofessors3/index.htm





	Ph.D.		<ol style="list-style-type: none"> 2. 纳米与仿生化学 Nano and Biomimetic Chemistry 3. 有机与高分子化学 Organic and Polymer Chemistry 4. 现代分析化学与检测技术 Modern analytical chemistry and testing technology 5. 表界面化学与催化 Surface and Interface Chemistry and Catalysis 6. 理论与计算化学 Theoretical and computational chemistry 	and Chemical Engineering	.htm
化学工程与技术 Chemical Engineering and Technology	硕士、博士 Master & Ph.D.	汉语、英语 Chinese & English	<ol style="list-style-type: none"> 1. 化学电源与绿色催化 Chemical power and green catalysis 2. 化学工程 Chemical engineering 3. 应用化学 Applied chemistry 4. 新药创制与绿色合成 Novel drug creation and green synthesis 5. 生物化工 Biochemical engineering 	化学与化工学院 School of Chemistry and Chemical Engineering	https://isc.bit.edu.cn/schools/cae/knownprofessors3/index.htm
生物学 Biology	硕士、博士 Master & Ph.D.	硕士：汉语 Master: Chinese 博士：汉语、英语 Ph.D.: Chinese & English	<ol style="list-style-type: none"> 1. 神经生物学 Neurobiology 2. 生物化学与分子生物学 Biochemistry & molecular biology 3. 微生物学 	生命学院 School of Life Science	https://isc.bit.edu.cn/schools/lifescience/knownprofessors12/index.htm



			Microbiology 4. 细胞生物学 Cellular biology		
生物医学工程 Biomedical Engineering	硕士、博士 Master & Ph.D.	硕士：汉语 Master: Chinese	1. 空间生物与医学工程 Space biology and medical engineering	生命学院 School of Life Science	https://isc.bit.edu.cn/schools/lifescience/knownprofessors12/index.htm
		博士：汉语、英语 Ph.D.: Chinese & English	2. 自主式微型生物医疗系统（融合医工学） Autonomous micro-biological medical system (integrated medical engineering) 3. 数字健康与智慧医疗 Digital health and smart medical 4. 医用生物技术 Medical biotechnology 5. 生物医学检测技术 Biomedical detection technology 6. 生物感知计算与康复工程 Bio-aware computing and rehabilitation engineering		
数学 Mathematics	硕士、博士 Master & Ph.D.	汉语、英语 Chinese & English	1. 代数及其表示 Algebra and representation theory 2. 几何、拓扑与分析 Geometry, topology and analysis 3. 微分方程理论及其应用 Differential equations and their applications 4. 图论与组合优化 Graph theory and combinatorial optimization 5. 计算几何力学与控制	数学与统计学院 School of Mathematics and Statistics	https://isc.bit.edu.cn/schools/mathematics/knownprofessors15/index.htm





			Computation, mechanics and control theory		
统计学 Statistics	硕士、博士 Master & Ph.D.	汉语、英语 Chinese & English	<ol style="list-style-type: none"> 1. 数理统计 Mathematical statistics 2. 实验设计与可靠性优化 Experimental design and reliability optimization 3. 大数据统计分析 Statistical analysis of big data 4. 应用概率论 Applied probability theory 	数学与统计学院 School of Mathematics and Statistics	https://isc.bit.edu.cn/schools/mathematics/knowningprofessors15/index.htm
物理学 Physics	硕士、博士 Master & Ph.D.	硕士：汉语 Master: Chinese	<ol style="list-style-type: none"> 1. 理论物理及应用 Theoretical physics and applications 2. 凝聚态物理 Condensed matter and physics 3. 光学 Optics 4. 计算物理 Computational physics 	物理学院 School of Physics	https://isc.bit.edu.cn/schools/physics/knowningprofessors19/index.htm
		博士：汉语、英语 Ph.D.: Chinese & English			
管理科学与工程 Management Science and Engineering	硕士、博士 Master & Ph.D.	汉语、英语 Chinese & English	<ol style="list-style-type: none"> 1. 决策理论与方法 Decision-making theory and methods 2. 信息管理与信息系统 Information management and information systems 3. 系统可靠性与风险管理 System reliability and risk management 4. 复杂系统建模与管理系统工程 	管理与经济学院 School of Management and Economics	https://isc.bit.edu.cn/schools/management/knowningprofessors13/index.htm





			<p>Complex system modeling and management system engineering</p> <p>5. 知识管理与创新管理 Knowledge management and innovation management</p>		
<p>工商管理 Business Administration</p>	<p>硕士、博士 Master & Ph.D.</p>	<p>汉语、英语 Chinese & English</p>	<p>1. 军民融合与组织创新 Military and civilian integration and organization innovation</p> <p>2. 技术经济及管理 Technological economics and management</p> <p>3. 创新管理与可持续发展 Innovation management and sustainable development</p> <p>4. 组织行为与人力资源管理 Organizational behavior and human resource management</p> <p>5. 市场营销 Marketing</p> <p>6. 会计与财务管理 Accounting and financial management</p>	<p>管理与经济学院 School of Management and Economics</p>	<p>https://isc.bit.edu.cn/schools/management/economics/knownprofessors13/index.htm</p>
<p>工商管理硕士 (MBA) Master of Business Administration</p>	<p>硕士 Master</p>	<p>英语 English</p>	<p>N/A</p>	<p>管理与经济学院 School of Management and Economics</p>	<p>https://isc.bit.edu.cn/schools/management/economics/knownprofessors13/index.htm</p>
<p>应用经济学 Applied Economics</p>	<p>硕士、博士 Master &</p>	<p>汉语、英语 Chinese & English</p>	<p>1. 产业经济理论与政策 Industrial economic theory and policy</p>	<p>管理与经济学院 School of Management</p>	<p>https://isc.bit.edu.cn/schools/management/economics/knownprofessors13/index.htm</p>





	Ph.D.		<ol style="list-style-type: none"> 2. 国际贸易与跨国经营 International trade and multinational operations 3. 金融市场与金融创新 Financial markets and financial innovation 4. 国防经济与安全预警 National defense economy and security warning 5. 数量经济理论与应用 Quantitative economic theory and application 	and Economics	.htm
国民经济动员学 National Economy Mobilization	硕士、博士 Master & Ph.D.	汉语、英语 Chinese & English	<ol style="list-style-type: none"> 1. 国民经济动员管理决策的理论与方法 Theory and methods of national economy mobilization management decision making 2. 国民经济动员信息管理与信息系统 National economy mobilization information management and information system 3. 国民经济动员与危机管理 National economy mobilization and crisis management 4. 动员物流理论与方法 Mobilization logistics theory and methods 	管理与经济学院 School of Management and Economics	https://isc.bit.edu.cn/schools/mae/knownprofessors13/index.htm
工程管理硕士 Master of Engineering Management	硕士 Master	汉语 Chinese	<ol style="list-style-type: none"> 1. 能源与碳中和管理 Energy and carbon neutral management 2. 项目管理 Project management 3. 大数据与信息工程管理 Big data and information engineering 	管理与经济学院 School of Management and Economics	https://isc.bit.edu.cn/schools/mae/knownprofessors13/index.htm





			management 4. 装备工程管理 Equipment engineering management		
教育学 Education	硕士、博士 Master & Ph.D.	硕士：汉语 Master: Chinese	1. 高等教育 Higher education	人文与社会科学学院 School and Humanities and Social Sciences	https://isc.bit.edu.cn/schools/hss/knowingprofessors9/index.htm
		博士：汉语、英语 Ph.D.: Chinese & English	2. 教育经济与管理 Economics and management of education 3. 研究生教育学 Graduate education 4. 教育技术 Educational technology 5. 教育、文化与社会 Education culture and society		
理论经济学 Theoretical Economics	硕士 Master	汉语 Chinese	1. 政治经济学 Political economics 2. 资源与环境经济学 Resource and environmental economics 3. 西方经济学 Western economics	人文与社会科学学院 School and Humanities and Social Sciences	https://isc.bit.edu.cn/schools/hss/knowingprofessors9/index.htm
法学 Law	硕士、博士 Master & Ph.D.	汉语、英语 Chinese & English	1. 国际法学（特别是国际空间法） International law (especially space law)	法学院 School of Law	https://isc.bit.edu.cn/schools/law/knowingprofessors11/index.htm
汉语国际教育 Teaching Chinese to Speakers of Other Languages	硕士 Master	汉语 Chinese	N/A	外国语学院 School of Foreign Languages	https://isc.bit.edu.cn/schools/foreignlanguages/knowinprofessors8/index.htm





设计学 Design	硕士 Master	汉语 Chinese	1. 工业设计及理论 Industrial Design 2. 环境艺术设计 Environmental design 3. 视觉传达设计 Visual communication design 4. 艺术创新设计及理论 Artistic innovation design 5. 实验技术 Experimental art	设计与艺术学院 School of Design and Arts	https://isc.bit.edu.cn/schools/daa/knownprofessors6/index.htm
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