

中北大学外国留学生博士研究生招生目录（2020）
Doctoral Programs for International Students (2020)

学院 School	学科 Discipline	研究方向 Direction
机械工程学院 School of Mechanical Engineering	机械工程 Mechanical Engineering	难加工材料与深孔加工技术 Difficult-to-machine Materials and Deep Hole Processing Technology
		超精密智能制造与特种加工技术 Ultraprecise Intelligent Manufacturing and non-traditional machining
		先进加工及复杂系统 Advanced Machining and Complex System
		机构理论与机器人装备设计 Mechanism Theory and Robot Equipment Design
材料科学与工程学院 School of Materials Science and Engineering	材料科学与工程 Materials Science and Engineering	功能高分子材料及高性能复合材料开发技术 Functional Polymer Material & High-Performance Composite Material
		轻合金构建控制塑性成形技术 Light Alloy Constructing Control Plastic Forming Technology
		金属凝固控制与精确成形技术 Metal Solidification Control and Precision Forming Technology
		新能源材料开发及应用技术 New Energy Materials Development and Application Technology
化学工程与技术学院 School of Chemical Engineering and Technology	化学工程与技术 Chemical Engineering and Technology	功能高分子材料 Functional Polymer Materials
		生物质资源综合开发与应用 Biomass Resources Overall Development and Application
		新能源材料的理论研究与开发 New Energy Materials Theoretical Study & Application Development
信息与通信工程学院 School of Information and Communication Engineering	信息与通信工程 Information and Communication Engineering	信息探测与处理 Information Capturing and Processing
		无损检测与装备健康监测 Nondestructive Testing and Equipment Health Monitoring
		图像处理与计算成像 Image Processing and Computing Imaging
		通信与信息系统 Communication and Information System
		光电信息技术与系统 Optoelectronic Information Technology and System
仪器与电子学院 School of Instrument and Electronics	仪器科学与技术 Instrument Science and Technology	精密仪器及机械 Precision Instrument and Machinery
		测试计量技术及仪器 Measurement Technology and Instrument
		微纳技术及仪器 Micro-Nano Technology and Instrument
大数据学院 School of Data Science and Technology	信息与通信工程 Information and Communication Engineering	大数据与视觉计算 Big Data and Visual Computing
		进化计算 Evolutionary Computation
招生人数 Enrollment		10