

中北大学外国留学生硕士研究生招生目录（2021）

NUC Master's Degree Programs for International Students (2021)

序号 No.	学院 School	学科 Discipline	研究方向
1	机电工程学院 School of Mechatronic Engineering	航空宇航科学与技术 Aeronautical and Astronautical Science and Technology	航空宇航制造工程 Aerospace manufacturing engineering
2	机械工程学院 School of Mechanical Engineering	机械工程 Mechanical Engineering	机械制造及其自动化 Mechanical Manufacture & Automation
			机械电子工程 Mechatronic Engineering
			机械设计及理论 Mechanical Design and Theory
			制造系统工程 Manufacturing Systems Engineering
			包装科学与技术 Packaging Science and Technology
3	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	纳米功能高分子材料 Nano Functional Polymer Materials
			高性能复合材料 High Performance Composite Materials
			无机非金属与新能源材料 Inorganic Nonmetals and New Energy Materials
			新型高性能金属材料 New High Performance Metal Materials
			轻合金精密塑性成形 Precision Plastic Forming of Light Alloy
			金属液态成型与增材制造 Metal Liquid Molding and Additive Manufacturing
4	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	化工过程强化 Chemical Process Intensification
			材料化学工程 Material Chemical Engineering
			制药与精细化工 Pharmaceuticals and Fine Chemicals
5		生物工程	生物提取与分离工程

		Bioengineering	Biological Extraction and Separation Engineering 生物资源与环境工程 Biological Resources and Environmental Engineering 生物药物与材料工程 biopharmaceutics and Materials Engineering
6		信息与通信工程 Information and Communication Engineering	信息探测与处理 Information Capturing and Processing 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 无损检测与装备健康监测 Nondestructive Testing and Equipment Health Monitoring 光电信息技术与系统 Optoelectronic Information Technology and System
7	信息与通信工程学院 School of Information and Communication Engineering	光学工程 Optical Engineering	光电探测技术与仪器 Photoelectric Detection Technology and Instruments 光谱信息技术与应用 Spectral Information Technology and Application 光电成像与图像处理技术 Photoelectric Imaging and Image Processing Technology 光学微量传感技术与系统 Optical Microsensor Technology and System
8		生物医学工程 Biomedical Engineering	医学成像系统与图像处理技术 Medical Imaging System and Image Processing Technology 医学影像大数据和疾病智能诊疗技术 Medical Image Big Data and Intelligent Diagnosis and Treatment Technology 医学信息智能检测与处理技术 Intelligent Detection and Processing Technology of Medical Information
9	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
10		电子科学与技术 Electronic Science and Technology	物理电子学 Physical Electronics
			电路与系统 Circuits and Systems
			微电子与固体电子学 Microelectronics and Solid-state Electronics
			电磁场与微波技术 Electromagnetic Field and Microwave Technology
11	大数据学院 School of Data Science and Technology	计算机科学与技术 Computer Science and Technology	虚拟仿真与可视化 Virtual simulation and visualization
			大数据与视觉计算 Big Data and Visual Computing
			大数据与网络安全 Big Data and Cyber Security
12		数学 Mathematics	基础数学 Fundamental Mathematics
			计算数学 Computational Mathematics
			应用数学 Applied Mathematics
			运筹学与控制论 Operational Research and Cybernetics
13	理学院 School of Science	物理学 Physics	原子与分子物理 Atomic and Molecular Physics
			凝聚态物理 Condensed Matter Physics
			声学 Acoustics
			光学 Optics
14		化学 Chemistry	无机化学 Inorganic Chemistry
			分析化学 Analytical Chemistry
			有机化学 Organic Chemistry
			物理化学 Physical Chemistry
			高分子化学与物理 Polymer Chemistry and Physics
15		力学 Mechanics	固体力学 Solid Mechanics

			工程力学 Engineering Mechanics
			基础力学与力学交叉 Basic Mechanics and Interdisciplinary Mechanics
			流体力学 Liquid Mechanics
16	经济与管理学院 School of Economics and Management	工商管理 Business Administration	物流与供应链管理 Logistics and Supply Chain Management
			技术创新与管理 Technical Innovation and Management
			市场营销与服务创新 Marketing and Service Innovation
			企业管理 Enterprise Management
17	人文与社会科学学院 School of Humanities and Social Sciences	英语语言文学 English Language and Literature	翻译理论研究 Study on Translation Theory
			英语教育教学 English Education and Teaching
18	体育学院 School of Sport and Physical Education	体育学 Physical Education	体育人文社会学 Sports Humanistic Sociology
			运动人体科学 Human Sports Science
			体育教育训练学 Sports Pedagogy and Training
			民族传统体育学 Traditional Chinese Sports
19	艺术学院 School of Arts	艺术学理论 Theory of Arts	艺术理论 Art Theory
			艺术史 Art History
			艺术传播 Art Communication
20	软件学院 School of Software	软件工程 Software Engineering	可视化软件设计及多维成像方法和技术研究 Visualized Software Design and Multi-dimensional Imaging Methods and Technology
			智慧城市平台建设及大数据分析应用方法 Smart City Platform Construction and Big Data Analysis and Application Methods
			信息化公共服务平台技术及信息安全技术研究

			Information Public Service Platform Technology and Information Security Technology
21	环境与安全工程学院 School of Environmental and Safety Engineering	环境工程 Environmental Engineering	环境污染控制与修复 Environmental Pollution Control and Remediation
			固体废物安全处置与资源化 Safe Disposal and Resource Recovery of Solid Waste
			环境机制、行为效应及管理 Environmental Mechanism, Behavioral Effect and Management
22		安全科学与工程 Safety Science and Engineering	防火防爆技术 Fire and Explosion Prevention Technology
			安全监测与事故模拟技术 Safety Monitoring and Accident Simulation Technology
			安全评价技术与应急管理 Safety Assessment and Emergency Management
23		仪器科学与技术 Instrument Science and Technology	动态测控与智能仪器 Dynamic Measurement and Control and Intelligent Instruments
			检测技术与智能装备 Measuring Technology and Intelligent Equipment
			测试与智能控制技术 Testing and Intelligent Control Technology
			电气自动化技术 Electrical Automation Technology
24	电气与控制工程学院 School of Electrical and Control Engineering	控制科学与工程 Control Science and Engineering	系统故障预测与健康 Management
			检测技术与自动化装置 Measuring Technology and Automatic Equipment
			新能源应用与微电网技术 New Energy Application and Microgrid Technology
			电气传动与控制 Electrical Drive and Control
			机器人与智能控制 Robot and Intelligent Control
25	能源动力工程学院	机械工程	机械电子工程

	School of Energy and Power Engineering	Mechanical Engineering	Mechatronic Engineering
26		动力工程及工程热物理 Power Engineering and Engineering Thermophysics	动力机械系统科学与结构技术 Power Mechanical Systems Science and Structural Technology
			新能源转化科学与综合利用 New Energy Conversion Science and Comprehensive Utilization
			热流科学及低碳节能新技术 Heat Flow Science and New Low-carbon Energy Saving Technologies