

School	Program Name	Research Directions	Intake	Duration (Year)	Teaching Language	Tuition (CNY/Year)
School of Atmospheric Sciences	Meteorology	01 Theory and Methodology for Weather and Climate Prediction	September	4	Chinese/ English	25000
		02 Theory of Atmospheric Circulation and Climate Dynamics				
		03 Monsoon and Air-Land-Sea Interactions				
		04 Numerical Weather Prediction (NWP) and Data Assimilation				
		05 Development and Application of Earth System Models (ESMs)				
		06 Mesoscale Weather Dynamics and Numerical Modeling				
	Climate System and Climate Change	01 Theory and Methodology for Weather and Climate Prediction	September	4	Chinese/ English	25000
		02 Theory of Atmospheric Circulation and Climate Dynamics				
		03 Monsoon and Air-Land-Sea Interactions				
		04 Numerical Weather Prediction (NWP) and Data Assimilation				
		05 Development and Application of Earth System Models (ESMs)				
		06 Mesoscale Weather Dynamics and Numerical Modeling				
School of Ecology and Applied Meteorology	Applied Meteorology	01 Agricultural Meteorology	September	4	Chinese/ English	25000
		02 Urban Meteorology				
		03 Smart Meteorology				
		04 Eco-Meteorology				
	Ecology	01 Ecosystem Ecology	September	4	Chinese/ English	25000
		02 Plant Ecology				
		03 Microbial Ecology				
		04 Global Change Biology				
	Carbon Neutrality Science and Technology	01 Greenhouse Gas Monitoring and Instrument Development	September	4	Chinese/ English	25000
		02 Carbon Neutrality Pathways and Climate-Environmental Change				
		03 Ecosystem Carbon Sequestration Enhancement				
		04 Carbon Trading and Low-Carbon Economy				

School	Program Name	Research Directions	Intake	Duration (Year)	Teaching Language	Tuition (CNY/Year)
School of Atmospheric Physics	Atmospheric Physics and Atmospheric Environment	01 Cloud, Fog and Precipitation Physics and Weather Modification	September	4	Chinese/English	25000
		02 Atmospheric Environment and Chemistry				
		03 Atmospheric Boundary Layer				
		04 Observational Studies of Meteorological Elements and Atmospheric Composition				
		05 Remote Sensing Techniques and Applications of Satellite and Weather Radar				
	Atmospheric Remote Sensing and Atmospheric Sounding	01 Mechanisms of Atmospheric Particle Scattering and Radiative Transfer	September	4	Chinese/English	25000
		02 New Technologies and Equipment for Atmospheric Remote Sensing				
		03 Remote Sensing Theories and Applications Based on Advanced Meteorological Instruments such as Satellites, Radar, Lidar				
		04 Applications of the Atmospheric Observations for Weather and Climate Studies				
	Space Weather	01 Research on Solar-terrestrial Energy Coupling Process	September	4	Chinese/English	25000
		02 Research on Space Weather Numerical Simulation and Emulation Technology				
		03 Research on Space Weather Quantitative Forecasting Model				
		04 Interactions between Space Weather and Weather-Climate				
		05 Space Weather Risk Assessment and Management				
School of Geographical Sciences	Land Surface Process	01 Surface Observation and Data Assimilation	September	4	Chinese/English	25000
		02 Surface Processes and Modeling				
		03 Climate Change Risks and Adaptation				
		04 Informal urbanization and water enviroment				
	3S Integration and Meteorological Applications	01 Multi-Source Remote Sensing Information Processing and Intelligent Application	September	4	Chinese/English	25000
		02 Surface Process Simulation and Intelligent Remote Sensing				
		03 GIS Technology and Meteorological Applications				
		04 Meteorological Disaster Risk Assessment And Management				

School	Program Name	Research Directions	Intake	Duration (Year)	Teaching Language	Tuition (CNY/Year)
School of Remote Sensing & Geomatics Engineering	Remote Sensing Science and Technology	01 Remote Sensing Science	September	4	Chinese/English	25000
		02 Remote Sensing Detection Technology				
		03 Atmospheric Remote Sensing Applications				
		04 Ecological Environment Remote Sensing Applications				
	3S Integration and Meteorological Applications	01 Multi-Source Remote Sensing Information Processing and Intelligent Application	September	4	Chinese/English	25000
		02 Surface Process Simulation and Intelligent Remote Sensing				
		03 GIS Technology And Meteorological Applications				
		04 Meteorological Disaster Risk Assessment And Management				
School of Hydrology and Water Resources	Hydrometeorology	01 Hydrometeorological Monitoring and Forecast	September	4	Chinese/English	25000
		02 Hydroclimate and Global Change Responses				
		03 High-resolution Land Surface Hydrological Modeling				
		04 Hydrometeorological Disaster Mechanism and Warning				
		05 Ecohydrology and Ecometeorology				
School of Marine Sciences	Marine Meteorology	01 Dynamic Process of Oceanography and Numerical Modeling	September	4	Chinese/English	25000
		02 Ocean Dynamics and Environmental Remote Sensing				
		03 Air-Sea Interaction				
		04 Marine Sedimentation Process and Environment				
School of Environmental Science and Engineering	Environmental Science and Engineering	01 Atmospheric Environmental Chemistry	September	4	Chinese/English	25000
		02 Air Pollution Control Technologies				
		03 Water Pollution Control Technologies				
		04 Environmental Ecological Engineering				
		05 Assessment and Countermeasures of Environmental Risks				

School	Program Name	Research Directions	Intake	Duration (Year)	Teaching Language	Tuition (CNY/Year)
School of Automation	Environmental Perception and Intelligent Control	01 Intelligent Detection and Control	September	4	Chinese/ English	25000
		02 Intelligent Manufacturing and Virtual Reality Technology				
		03 Computer Vision				
		04 Big Data and Machine Learning				
		05 Sensor technology				
	Lightning Science and Technology	01 Research on new theories and applications of lightning physics and thunderstorm electricity	September	4	Chinese/ English	25000
		02 Technologies for lightning detection and warning				
		03 Research on technologies and devices for lightning protection				
		04 The climatic effects of lightning				
	Low-Altitude Technology and Engineering	01 Low-Altitude Intelligent Navigation Technology	September	4	Chinese/ English	25000
		02 Low-Altitude Safety Assurance Technology				
		03 Low-Altitude Refined Networked Meteorological Detection Technology				
		04 Flight Test and Performance Evaluation				
School of Artificial Intelligence	Artificial Intelligence	01 Intelligent Algorithms and Systems	September	4	Chinese/ English	25000
		02 Intelligent Applications				
		03 Virtual Reality and Big Data				
		04 Intelligent Communication and Networking				
School of Electronic and Information Engineering	Information and Communication Engineering	01 Communication and Information System	September	4	Chinese/ English	25000
		02 Signal and Information Processing				
School of Computer Science, School of Software	Computer Science and Technology	01 Computer Vision	September	4	Chinese/ English	25000
		02 Digital Forensics and Information Hiding				
		03 Multimedia Content Analysis				
		04 Blockchain Technology				
		05 Internet of Things and Cloud Security				

School	Program Name	Research Directions	Intake	Duration (Year)	Teaching Language	Tuition (CNY/Year)
School of Cyber Science and Engineering	Cyberspace Security	01 Multimedia Content Security	September	4	Chinese/English	25000
		02 Network Security				
		03 Industrial Application Security				
School of Mathematics and Statistics	Mathematics	01 Fundamental Mathematics	September	4	Chinese/English	25000
		02 Differential Equations and Dynamical Systems				
		03 Computational Mathematics and Intelligent Science				
		04 Statistical Learning and Data Science				
School of Physics and Optoelectronic Engineering	Optical Engineering	01 Optoelectronic Information Universal Sensing and Interconnection	September	4	Chinese/English	25000
		02 Intelligent spectral information perception				
		03 Optoelectronic Detection of Atmospheric Environment				
		04 Optoelectronic Functional Materials and Devices				
School of Chemistry and Materials Science	Bio-Environmental Information Materials	01 Environmental Materials	September	4	Chinese/English	25000
		02 Energy Materials				
		03 Biomaterials				
		04 Information Materials				
School of Law and Public Administration, School of Emergency Management	Emergency Management	01 Emergency optimization and decision-making	September	4	Chinese/English	25000
		02 Big data emergency management				
		03 Risk assessment and governance				
		04 Meteorological disaster prevention, mitigation and protection				

School	Program Name	Research Directions	Intake	Duration (Year)	Teaching Language	Tuition (CNY/Year)
School of Law and Public Administration, School of Emergency Management	Digital Government Management	01 Data legislation and data governance	September	4	Chinese/ English	25000
		02 Smart city governance				
		03 Legal construction of digital government				
		04 Open use of public data				
		05 Urban digital transformation				
		06 Risk and social security policy;				
		07 Population structure and social security policy				
		08 Grassroots governance				
		09 Public integrity governance				
School of Management Science and Engineering	Management Science and Engineering	01 Manufacturing Management Engineering	September	4	Chinese/ English	25000
		02 Theoretical Methods and Applications of Decision Making				
		03 Financial Engineering				
		04 Climate and Environmental Systems Management				
		05 Information Management and Logistics Engineering				
	Emergency Management	01 Emergency optimization and decision-making	September	4	Chinese/ English	25000
		02 Big data emergency managemEmergency optimization and decision-makingement				
		03 Risk assessment and governance				
School of Business	Big Data and Business Intelligence	04 Meteorological disaster prevention, mitigation and protection	September	4	Chinese/ English	25000
		01 Climate economy and low-carbon industry				
		02 Low-carbon economy and business management				
		03 Smart supply chain management				
School of Teacher Education	Higher Education Management	04 Big data and enterprise management	September	4	Chinese/ English	25000
		01 Educational Big Data Applications				
		02 International Comparative Higher Education Management				