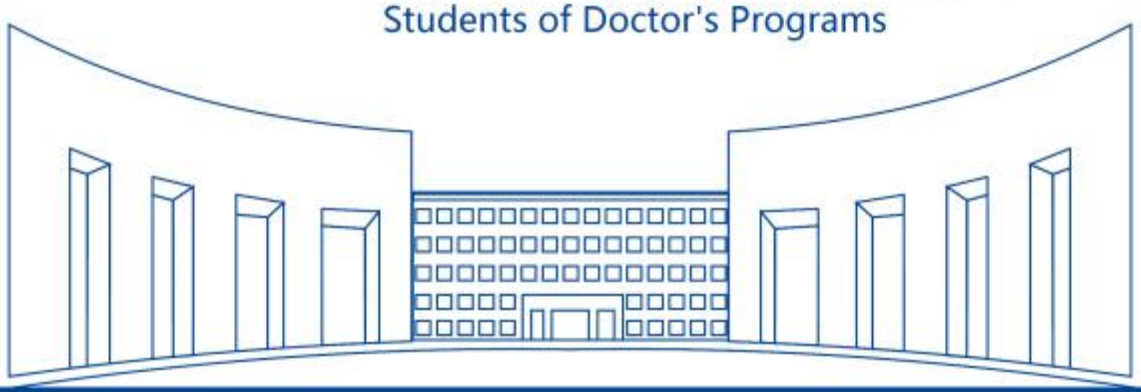

# 2022 招生简章

## 来华留学生博士研究生

2022 Enrollment Guide of China University of Geosciences (Beijing) for International Students of Doctor's Programs



# Contents

# General Information

China University of Geosciences (Beijing), a well-known institution of higher learning both in China and abroad, is located in Xueyuan Road, Haidian District, Beijing, surrounded with prestige universities. The university is a national key university affiliated of the Chinese Ministry of Education and established jointly with the Ministry of Natural Resources. In 2017, the university was listed as one of the “Double First Class” universities..

Founded in 1952 as a result of the merger of the geology departments (subjects) from Peking University, Tsinghua University, Tianjin University, and Tangshan Railway College, China University of Geosciences (Beijing) is a university with a long history and profound heritage. In 1960, it was awarded the name "Beijing Cultural and Educational Front Red Flag College". Early success led to its gaining a foothold among the 64 “national key colleges and universities”. In 1970, the university was obliged to move to a new campus in Wuhan. Thanks to the direct support of Comrade Deng Xiaoping, the university resumed at the original site in Beijing in 1978. In 1987, the Ministry of Education approved a plan for China University of Geosciences to establish two institutions of higher learning, in Beijing and Wuhan respectively. It was among the first universities designated for the state key construction of the “211 project”, “985” innovation platform for advantageous disciplines, and was among the first 33 universities in China approved to set up graduate schools. In February 2000, China University of Geosciences (Beijing) (hereinafter referred to as “CUGB”), previously managed by the Ministry of Land and Resources, was put under the management of the Ministry of Education. In March 2005, the university headquarters was abolished, CUGB and China University of Geosciences (Wuhan) became independent educational entities.

Since its foundation, CUGB has experienced an unusual course of

development with the construction of New China, and has grown with the thriving of the country. CUGB has borne in mind its fine tradition of serving the country with its expertise in geology, undertaking the glorious mission of blazing a trail of socialist construction, producing a large cohort of graduates equipped with the technical knowledge and professional attitudes needed to build up the nation and contribute to the flourishing of the earth sciences. Facing the challenges of running a university, CUGB and its staff have developed perseverance, tenacity and courage, with the pursuit of “patriotism, endurance, pioneering spirit and continuous exploration”. The work of study in China at CUGB has always been guided by serving the needs of the country’s strategy, and implement the party and the country’s diplomatic strategy, resources and environment strategy and the “going out” strategy for Chinese enterprises. Cultivate a group of high-quality talents who have known and friendly to China with qualified professions. Strengthen the Study in China brand, create key and high-quality projects for studying in China, and take multiple measures to promote the connotative development of studying in China.

CUGB now has 16 schools, 44 undergraduate programs, 16 doctoral degree conferring spots of first-level disciplines, 34 master’s degree conferring spots of first-level disciplines, and 14 master’s degree conferring spots in professional fields. There are 16,719 full-time students, including 8,431 undergraduates, 6,426 postgraduates, 1,691 doctoral candidates, and 171 overseas students including students from Hong Kong, Macao and Taiwan as well as overseas Chinese. The university campus covers a total area of 5,258,443 square meters and in addition, there are practical geological field stations in Zhoukoudian, Beidaihe, and Pingquan, Hebei.

CUGB is a research-oriented university featuring Geology, Resources, Environment, and Geotechnical Engineering, covering science, engineering, literature, management, economics, law and other disciplines. Among them 2 were listed as the national construction of "Double First Class" discipline, and 2 obtained A+ in the fourth round of discipline evaluation. 6 disciplines have

ranked world's top 1% of the ESI, and Earth Sciences have entered the top 1‰.

CUGB boasts 15 post-doctoral research centers and well-cultivated faculty. Among the 1,461 staff members and 976 full-time teachers, 276 are professors, 357 associate professors, and 365 doctoral supervisors. There are 12 academicians of the Chinese Academy of Sciences, and 2 academician of the Chinese Academy of Engineering, 8 teachers of the National Teaching Project, 13 winners of the National Science Fund for Distinguished Young Scholars, 4 National-level Special-term professor, 1 National-level Famous Teacher Award winner, 2 National-level Outstanding Teachers, 1 National Famous Professor, 14 winners of the National Science Fund for Outstanding Young Scholars, 4 Nation-level Young Scholar, 26 are titled Distinguished Teacher in Beijing, and 5 are titled Distinguished Young Teacher in Beijing, and 15 Post-doctoral Research Centers are established.

CUGB enjoys an outstanding reputation for talent cultivation. The university has always regarded cultivating people with good virtue as its fundamental mission. By far, more than 200,000 outstanding students have graduated for the university, including a large number of elites in their industries and Comrade Wen Jiabao was one of the representatives. 40 of its graduates have been elected academicians of the Chinese Academy of Sciences and the Chinese Academy of Engineering, and more than 200 of them have become model workers at or above the provincial and ministerial level. The university adheres to the training goal of high-quality and innovative talents with "good virtue, solid foundation, extensive knowledge and profound specialty", always center on talent training and recognize the fundamental importance of undergraduate education, and forms an education system integrating "general education, professional education and innovation and entrepreneurship education". The university has 20 first-class undergraduate majors, 6 national quality courses, 2 national experimental teaching demonstration centers and 1 national virtual simulation experimental teaching center. Students have performed well in various discipline

competitions, volunteer services, social practice, innovation and entrepreneurship, and artistic and sports competitions.

CUGB is an important base for national geoscience research. The University has strengthened its scientific layout and organization, and has made remarkable achievements in research projects, high-level research, scientific research awards, training of research talents, construction of research platforms, intellectual property rights and transformation of research achievements. CUGB has yielded fruitful results in the research on geological evolution of the Qinghai-Tibet Plateau, non-traditional isotope geochemistry, geological processes and mineralization, ultra-deep drilling as well as in polar research, and has published many papers in the international top journals such as Nature, Science and Nature Geoscience. In the past 5 years, the university has won 24 national and provincial science and technology awards as the first signature unit to complete the project. The university has a total of 19 key laboratories, ranging from the National Key Laboratory of Geological Processes and Mineral Resources, the National Platform for Sharing Rock and Mineral Fossil Specimens, those of the Ministry of Education and the Ministry of Natural Resources, engineering centers and provincial-level scientific research platforms. The university will promote the construction of “five major aspects”, namely “major discipline construction”, “major science initiative”, “major science equipment”, “major science and technology project” and “major resource platform”, and promote the transformation and upgrading of traditional geoscience to earth system science.

CUGB is active in international exchanges and cooperation. CUGB has signed cooperation agreements with a number of world-class universities and high level research institutions including University of California, Los Angeles, Colorado mining institute, University of Waterloo, University of Edinburgh, University of Birmingham, University of Hanover, Postdam Geoscience Research Center, University of Sydney, Macquarie University and others. Besides, CUGB has established cooperative partnership with more than 200 colleges, universities and research institutions across over 60

countries and regions. The university secured 5 Bases for Introducing Talents and Discipline to Universities, conducting multiple national-level talent-introduction projects. Based on the “20+20 Cooperation Plan for Chinese and African Universities”, the University has set up a Confucius Institute in the University of Namibia.

In the new era, CUGB will march on a new journey. Guided by Jinping Xi Thought on Socialism with Chinese Characteristics, the university adheres to the motto of “hard work and plain living, staying realistic and pragmatic”, follows the strategic concept of the “three stages” at the time of CUGB’s one hundredth anniversary, insists on cultivating people with good virtue, conducts the “implementation action”, unswervingly blazes the connotative development path. Facing the country’s major strategic needs, serving the “one Belt and one Road”, the national top-level cooperation initiative, and promoting international collaborative innovation; centering on the “Double First-Class” construction, the transformation and upgrading requirements of Earth system science, actively participate in major international scientific research collaboration and education cooperation, promote international cooperation and exchange key constructional projects as a whole. Hence, we wholeheartedly seek development, and constantly create a new situation of the construction of world-class university in the field of earth science, in order to realize the Chinese dream of "two one hundred" goals and the great rejuvenation of the Chinese nation!

# Table 1. List of Disciplines for Postgraduate Enrollment (Taught in Chinese)

| Discipline Fields | Discipline Code | Discipline Name | Admissions Type |
|---|---|---|---|
| Economics | 0202 | Applied Economics | Master, Doctor |
| Pedagogy | 0403 | Physical Education | Master |
| Letter | 0502 | Foreign language and literature | Master |
| Neo-confucianism | 0701 | Mathematics | Master |
| | 0702 | Physics | Master |
| | 0703 | Chemistry | Master |
| | 0708 | Geophysics | Master, Doctor |
| | 0709 | Geology | Master, Doctor |
| | 0710 | Biology | Master |
| Engineering | 0805 | Materials Science and Engineering | Master, Doctor |
| | 0810 | Information and communication engineering | Master |
| | 0811 | Control Science and Engineering | Master, Doctor |
| | 0812 | Computer Science and Technology | Master |
| | 0814 | Civil engineering | Master, Doctor |
| | 0815 | Hydraulic Engineering | Master, Doctor |
| | 0816 | Surveying and Mapping | Master, Doctor |
| | 0818 | Geological Resources and Geological Engineering | Master, Doctor |
| | 0820 | Oil and Gas Engineering | Master, Doctor |
| | 0830 | Environmental Science and Engineering | Master, Doctor |
| | 0837 | Safety Science and Engineering | Master, Doctor |
| Management | 1201 | Management science and Engineering | Master, Doctor |
| | 1202 | Business Administration | Master |
| Art | 1305 | Design science | Master |

# Table 2. List of Disciplines for Postgraduate Enrollment (Taught in English)

| Discipline Fields | Discipline Code | Discipline Name | Admissions Type |
|---|---|---|---|
| Economics | 0202 | Applied Economics | Master, Doctor |
| Pedagogy | 0403 | Physical Education | Master |
| Neo-Confucianism | 0708 | Geophysics | Master, Doctor |
| | 0709 | Geology | Master, Doctor |
| | 0710 | Biology | Master |
| Engineering | 0815 | Hydraulic Engineering | Master, Doctor |
| | 0816 | Surveying and Mapping | Master, Doctor |
| | 0818 | Geological Resources and Geological Engineering | Master, Doctor |
| | 0820 | Oil and Gas Engineering | Master, Doctor |
| | 0830 | Environmental Science and Engineering | Master, Doctor |
| Management | 1201 | Management Science and Engineering | Master, Doctor |
| | 1202 | Business Administration | Master |

# Table 3. List of graduate student enrollment of each school

| School code | Name | Programs | Doctor (taught in Chinese) | Doctor (taught in English) |
|---|---|---|---|---|
| 301 | School of Earth Sciences and Resources | Geology | √ | √ |
| | | Geological Resources and Geological Engineering | √ | √ |
| 302 | School of Engineering and Technology | Civil engineering | √ | |
| | | Safety Science and Engineering | √ | |
| | | Geological resources and geological engineering | √ | √ |
| 303 | School of Materials Science and Technology | Materials Science and Engineering | √ | |
| 304 | School of Information Engineering | Surveying and Mapping | √ | |
| | | Control Science and Engineering | √ | |
| 305 | School of Water Resources and Environment | Geology | √ | √ |
| | | Hydraulic Engineering | √ | √ |
| | | Geological Resources and Geological Engineering | √ | √ |
| | | Environmental Science and Engineering | √ | √ |
| 306 | School of Energy Resources | Geological Resources and Geological Engineering | √ | √ |
| | | Oil and Gas Engineering | √ | √ |
| 307 | School of Humanities and Economic Management | Applied Economics | √ | √ |
| | | Management Science and Engineering | √ | √ |
| 310 | School of Geophysics and Information Technology | Control Science and Engineering | √ | |
| | | Geophysics | √ | √ |
| | | Geological Resources and Geological Engineering | √ | √ |
| 312 | School of Land Science and Technology | Public management | √ | |
| | | Surveying and Mapping | √ | √ |
| 319 | School of Science | Materials Science and Engineering | √ | |
| | | Control Science and Engineering | √ | |
| 501 | Academy of science | Geology | √ | √ |

# Enrollment Guide of China University of Geosciences (Beijing) for International Students of Doctoral Programs

Name: China University of Geosciences (Beijing)
Agency Number:11415
Correspondence Address: No.29, Xueyuan Road, Haidian District, Beijing;
Postal code: 100083
Phone Number：+86-10-82321210，82322951
Contact：International Cooperation and Exchange Office

**Plan of Admission**

CUGB accepts international students at the following levels: doctoral students, master's students, undergraduate students, Chinese language students, advanced students and general students. We can accept Chinese government scholarship and Beijing Municipal Scholarship for international students.

**Time for Application**

1.Self-funded student：From October 15, 2021 to June 30, 2022

2.Beijing Government Scholarship：From January 1, 2022 to April 15, 2022

**Conditions for Applying**

(1) Foreign citizens who are physically and mentally healthy, law-abiding and holding valid passports.

(2) Doctoral applicants under the age of 40.

(3) Applicants should have a degree equivalent to a Chinese degree.

(4) To apply for Chinese-taught majors in CUGB, you need a Chinese proficiency certificate of HSK-4 (inclusive) or above. To apply for

English-taught majors in CUGB, you need the corresponding language skills.

**Documents for Applying (Doctor)**

(1) Application form (Can be downloaded from http://bm.cugb.edu.cn/gjhzc/ ).

(2) Academic diploma: a photocopy of the applicant's latest academic diploma or certificate of university education.

(3) Academic record: The original transcript of academic record (A photocopy of the transcript will not do).

(4) Study plan in China.

(5) Two reference letters for Doctoral degree.

(6) A photocopy of the applicant's passport.

(7) Original Heath Exam Form.

(8) A photocopy of HSK-4 certificate.

(9) Certificate of No Criminal Record.

(10) A photocopy of the applicant's emergency contact (can be a passport, license, or other official ID) .

(11) 10 two-inch white background colored-photographs after enrollment.

**Length of Schooling, Tuition, Accommodation & Other Living Fees**

(1) Length of Schooling

Bachelor's Degree (4 years), Master's Degree (3 years), Doctoral Degree (4 years).

(2) Application fee

RMB 500 Yuan.

According to school documents, tuition rates are as follows:

(3) Tuition fee

For bachelor's degree RMB 26000 ~39000 Yuan (about US$4300) per year;

For Master's degree RMB 28000~42000 Yuan (about US$4600) per

year;

For Doctoral degree RMB 35000 Yuan (about US$5800)per year。

(4) Accommodation

International student dormitory is equipped with separate washrooms, showers and air-conditioning facilities, as well as a public laundry room. There are 2 people in each room, 1200-1500 yuan per person per month. Accommodation fees can be paid on a semester or monthly basis.

Hot water fee: 0.2 yuan per minute for hot water for bathing, register a water bill account and recharge, log in to the account to use.

Laundry fee: 3 to 5 yuan per time, paid by scanning the QR code of the public washing machine.

Electricity fee: The free electricity consumption limit is 10 kWh/person/month, and you can purchase it by yourself after exceeding the limit.

Network fee: The campus network is charged 5 yuan/10G.

International students can also freely choose to rent other types of rooms, which are easier to find around within the campus. The rental price is generally RMB 4,500-6,000 per month for one bedroom and one living room, and RMB 6,000-8,000 per month for two bedrooms and one living room. The room fee is generally paid once every three months or half a year.

(5) Medical insurances

Medical insurance (RMB 800/person/year) for international students in China is compulsory and must be purchased by every international student studying in CUGB.

**Scholarship**

**Chinese Government Scholarship**

1.Scholarship Coverage and Standard:

(1) The CSC scholarship students will be immune from register fee, tuition, experiment fee, practice fee and dormitory fee on campus.

(2) The CSC scholarship students will get support of living fee. The

standards of living fee are RMB 2500 Yuan per month for Bachelor Degree students, RMB 3000 Yuan per month for master degree students, RMB 3500 Yuan per month for PhD degree students.

(3) CSC scholarship will also cover out-patient medical service and Health Insurance to each international student.

2.Application Conditions:

(1) A valid passport.

(2) Undergraduate applicants are under the age of 30, master's applicants under the age of 35, and doctoral applicants under the age of 40.

(3) Applicants should have a degree equivalent to a Chinese degree.

(4) If your study language is Chinese, for doctoral students need HSK-4. If your study language is English for doctoral students, please submit proof of achievement in English.

3.How to apply online:

(1) Login the website:

https://studyinchina.csc.edu.cn/ ， register and upload materials as required.

(2) Program Category Type B

Agency No.: 11415.

(3) Login the website:

http://studyinchina.cugb.edu.cn/apply， register and upload materials as required.

**Beijing Government Scholarship**

After receiving the admission report, you can apply directly to the relevant schools.

**Time for Application**

1.Self-funded student： From October 15, 2021 to June 30, 2022

2.Beijing Government Scholarship： From January 1, 2022 to April 15, 2022

**Accommodation, meals, study conditions**

CUGB provides international students with dormitory accommodation on campus(2 people for each room). All rooms are equipped with Internet terminals, separate washroom and shower facilities. There is a communal laundry room in the dormitory.

International students studying in CUGB can apply for a campus card for dinings in multiple student restaurants. In addition, the school has a Muslim restaurant.

Students attend classes in different classroom buildings.

**Contact Information:**

Contacts: Ma Lan, Huang Xu

Phone: +86-10-82321210;+86-10-82322951

Fax: +86-10-82322951

E-mail: Lanma@cugb.edu.cn; huangxu@cugb.edu.cn

Office address: Room 415, Office Complex, China University of Geosciences (Beijing)

Mailing address: International Cooperation and Exchange Office, China University of Geosciences (Beijing), No.29, Xueyuan Road, Haidian District, Beijing;postal code: 100083;

Website: https://bm.cugb.edu.cn/gjhzyjl-en/

## Table 4. Contact Information of School

| School Code | Name | Teacher-Name | Phone Number | Emali |
|---|---|---|---|---|
| 301 | School of Earth Sciences and Resources | Teacher Zhang | +86-10-82322264 | zhangqian@cugb.edu.cn |
| 302 | School of Engineering and Technology | Teacher Li | +86-10-82322624 | 925752921@qq.com |
| 303 | School of Materials Science and Technology | Teacher Song | +86-10-82322972 | songyuan@cugb.edu.cn |
| 304 | School of Information Engineering | Teacher Zhu | +86-10-82323183 | 1640993019@qq.com |
| 305 | School of Water Resources and Environment | Teacher Chen | +86-10-80323917 | chenliuyi@cugb.edu.cn |
| 306 | School of Energy Resources | Teacher Xiao | +86-10-82322754 | xiaochang@cugb.edu.cn |
| 307 | School of Humanities and Economic Management | Teacher Zhang | +86-10-82321783 | zhangjiextso@163.com |
| 308 | Foreign Language Department | Teacher Zhang | +86-10-82322423 | zhangshuoalice@163.com |
| 309 | School of Gemology | Teacher Hu | +86-10-82322227 | huzhe@cugb.edu.cn |
| 310 | School of Geophysics and Information Technology | Teacher Li | +86-10-82321889 | liting@cugb.edu.cn |
| 311 | School of Ocean Sciences | Teacher Sun | +86-10-82322162 | nysunxiaowei@126.com |
| 312 | School of Land Science and Technology | Teacher Niu | +86-10-82321807 | yalin332@126.com |
| 314 | Department of Physical Education | Teacher Li | +86-10-82323861 | 249248948@qq.com |
| 319 | School of Science | Teacher Li | +86-10-82323426 | zx2020@cugb.edu.cn |
| 501 | Institute of Earth Sciences | Teacher Zheng | +86-10-82323419 | keying@cugb.edu.cn |

# 301 School of Earth Sciences and Resources

The China University of Geosciences, Beijing (CUGB) is a multidisciplinary national key university administered directly by the Ministry of Education. The university's principal disciplines are geology, resources, environment, geoengineering technology, territorial resources surveys, and rational utilization and protection of resources. CUGB was one of the first 33 universities in China to pilot graduate schools, and the first to enter the ranks of "Project 211". The university evolved from the Beijing Institute of Geology, which was formed in 1952 by merging the Departments of Geology of Peking University, Tsinghua University, Tianjin University, the Tangshan Institute of Railways, and others.

The School of Earth Sciences and Resources was one of the initial schools to be established along with the foundation of the Beijing Institute of Geology in 1952. It is among one of the schools within CUGB that has the longest history and strongest faculties in CUGB. It evolved from the large Department of Mineral Geology and Prospecting and Exploration of the former Beijing Institute of Geology. In 1991, Departments I, II, and III, the central laboratory, and the Department of Geological History Study were merged into the Department of Geology and Mineral Resources, which was renamed as the School of Earth Sciences and Resources in 1999. In its course of sixty years of trial and hardship, the school has developed its traditions of emphasizing teaching, advocating science, seeking after truth, being practical, and pursuing excellence. The school hosts a distinguished community of geoscience masters of noble character and high prestige, including Academician Zhao Pengda, Academician Yu Chongwen, Academician Zhai Yusheng, Academician Zhang Benren, Academician Jin Zhenmin, Academician Mo Xuanxue, and Academician Gaoshan. Over the past sixty years, the school has cultivated a large number of high-calibre talents, including over twenty academicians of the Chinese Academy of Sciences and of the Chinese Academy of Engineering. Many outstanding graduates have

become national scientific and technological stalwarts, educational experts, and management specialists, and some have also served as leaders in the Communist Party and government departments.

At present, the school has 123 teaching and administrative staff, including 65 professors and 36 associate professors (of whom 61 are Ph.D supervisors). There are also 48 part-time employed Ph.D supervisors. A large majority of the teaching body (84%) hold doctorates, and 12.8% have master's degrees. There is also a burgeoning group of young academic leaders. Some of these are winners of the National Science Fund for Distinguished Young Scholars, the Cross-century Talent Fund of the State Education Commission, and the Cross-century Talent Fund of the Ministry of Land and Resources. They are young academic leaders and outstanding young core teachers in colleges and universities in Beijing. One teacher won the National Prominent Teacher Award. Another won the National Renowned Teachers Award. Four were winners of the Beijing Renowned Teachers Award. The school has an team that was selected as Excellent Teaching Unit by the Ministry of Education.

To meet the need for reform of both the education system and the science and technology system, the school has established a professional discipline structure that combines both science and engineering related disciples, along with geology and resources as the predominant feature.The school has 18 disciplines including Paleontology and Stratigraphy (including Paleoanthropology), Geochemistry, Mineralogy, Petrology, Ore Deposit Geology, Structural Geology, Quaternary Geology, Mineral Resource Prospecting and Exploration, Geodetection and Information Technology, Cartography and Geographic Information Engineering, Photogrammetry and Remote Sensing, etc. Five of these disciplines—Paleontology and Stratigraphy (including Paleoanthropology);__—Geochemistry, Mineralogy, Petrology; Ore Deposit Geology; Mineral Resource Prospecting and Exploration; and Structural Geology—are national key disciplines. Two disciplines—Quaternary Geology and Cartography, and Geographic Information Engineering—are provincial and ministerial key disciplines.

There are three majors for undergraduate enrollment: Geology, Geochemistry, and Resource Exploration Engineering (Solid Mineral Resources). The school has seven teaching and research sections: stratigraphic paleontology, structural geology, geochemistry, mineral and rock, mineral deposition and exploration, remote sensing and geoscience information, and quaternary.

There are three postdoctoral research stations respectively for the disciplines of geology, geological resources, and geological engineering. The school enrolls doctoral candidates and postgraduates in 150 research directions of 16 disciplines. In order to echo with the overall "Project 211" construction of CUGB, the school focuses on the strategic development of three subject groups including geodynamics, the prospecting and evaluation of global events, and geoscience information. Overall consideration is given to discipline construction, high quality talent cultivation, and support for the construction of key laboratories. The school has 3,994 students, including 728 doctoral candidates, 1,329 postgraduates, 723 postgraduates in engineering, and 1,214 undergraduates.

The school has been in the forefront of developments, both domestically and internationally, in geodynamics, earth rhythms and global geological events, lithoprobe and deep processes, genetic and prospecting mineralogy, metallogenic systems and regional metallogeny, discovery and development of non-traditional mineral resources, complexity in geological systems, geochemical dynamics, research on orogenic belts, etc. In recent years, the school's teachers have undertaken 973 National Projects and 863 Projects, together with a number of scientific and technological projects, National Natural Science Foundation of China projects, etc. More than fifty papers are accepted for publication annually by SCI, EI, ISTP and other distinguished journals and sources.

In recent years, the school has been involved in multilevel international academic and scientific research exchanges, including organizing the annual undergraduates' international field trips, arranging study abroad and academic exchanges for postgraduates, selecting young teachers to travel abroad for further study and scientific research collaboration, and hosting many

internationally renowned academic figures to teach professional geological courses for undergraduates and postgraduates. The school has organized many international academic conferences and seminars as well as several training courses on "Resource Engineering in African Countries".

To encourage the development of students' practical abilities, the school has taken advantage of the rich geological features of the Western Hills of Beijing by establishing a field trip syllabus of major courses, including geological field practice at Beidaihe (2 weeks), field teaching practice at Zhoukoudian (6 weeks), and international field teaching practice (2 weeks). Many industry-university-research cooperation bases have been established (the Zhaoyuan Gold Mine Base in Shandong, the Yangshan Gold Mine Base in Gansu, the Yunmin Enterprise Base in Yunnan, the Yuntaishan Base in Henan, a Regional Geological Survey Base in Tibet, the Inner Mongolia Mine Base, the Mudanjiang Gold Mine Base in Heilongjiang, the Quanxing Mining Company Base in Shandong, etc.).

In the future, the school will adhere to CUGB's philosophy of "feature and high quality" and its socialist orientation of "facing modernization, facing the world, facing the future". In terms of talent training, the school aims to cultivate high-level talents in geosciences, as well as high-quality inter-disciplinary talents who can adapt to the development of the geoscientific aspects of the socialist market economy. In terms of scientific research, the school will continue to strive to undertake major national and provincial scientific projects, actively participate in the construction of major national engineering projects, and actively serve the construction of both the local economy and the national industrial economy. Pushing the frontiers of earth sciences, CUGB will strengthen infrastructure construction, emphasize the characteristics of modern geoscience, broaden the fields of geoscientific research and services, produce high-quality talents, nurture high-level landmark achievements, and make major contributions to the earth science course and national economic construction.

## Name list of postgraduate instructors for International students(Taught in Chinese)

| School Code | Name | Programs | Tutor |
|---|---|---|---|
| 301 | School of Earth Sciences and Resources | Geology | Chen Jiawei; Deng Jun; Mei Mingxiang; Meng Jun; Qiu Kunfeng; Qiu Liang; Tang Li; Wang Chengshan; Wang Da; Wang Yinhong; Xi Dangpeng; Xu Lingang; Xue Shengchao; Yan Danping; Yang Guifang; Yuan Guoli; Zhang Da; Zhang Jianping; Zhang Shihong; Zhang Zhaochong； Zhao Zhidan M.Santosh Richard Goldfarb |
| | | Geological Resources and Geological Engineering | Chen Qiuming； Deng Jun ； Dong Guochen； Hou tongiu Kunfeng; Tang Li；Wang Da; Xi Dangpeng; Xu Lingang; Richard Goldfarb |
| | | Management Science and Engineering | Yuan Guoli |

## Name list of postgraduate instructors for International students(Taught in English)

| School Code | Name | Programs | Tutor |
|---|---|---|---|
| 301 | School of Earth Sciences and Resources | Geology | Chen Jiawei; Deng Jun; Mei Mingxiang; Meng Jun; Qiu Kunfeng; Qiu Liang; Tang Li; Wang Chengshan; Wang Da; Wang Yinhong; Xi Dangpeng; Xu Lingang; Xue Shengchao; Yan Danping; Yang Guifang; Yuan Guoli; Zhang Da; Zhang Jianping; Zhang Shihong; Zhang Zhaochong； Zhao Zhidan M.Santosh Richard Goldfarb |
| | | Geological Resources and Geological Engineering | Chen Qiuming； Deng Jun ； Dong Guochen； Hou tongiu Kunfeng; Tang Li；Wang Da; Xi Dangpeng; Xu Lingang; Richard Goldfarb |
| | | Management Science and Engineering | Yuan Guoli |

# 302 School of Engineering and Technology

The School of Engineering and Technology of the China University of Geosciences - Beijing (CUGB) was established in 1998. It is the successor of the Department of Prospecting Engineering and the Teaching and Research Section of Engineering Geology of the former Beijing Institute of Geology, which was founded in 1954 to facilitate the construction of the specialized discipline of geological engineering. In the past 60 years, the school has provided high-level academic certificate education in prospecting engineering, geological engineering, and other disciplines. Prospecting engineering was among the first disciplines to be granted the right to confer doctorates and master's degree as well as one of the first national key disciplines established in China. Geological engineering was re-confirmed as a key discipline in the latest review of national key disciplines in 2001.

The school has three postdoctoral research stations (geological resources and geological engineering, civil engineering, and safety science and engineering). There are also three doctoral stations (geological resources and geological engineering, civil engineering, and safety science and engineering), four master's stations (geological resources and geological engineering, civil engineering, mechanical engineering, and safety science and engineering), and four undergraduate majors (geological engineering, civil engineering, mechanical design and manufacture, and automation and safety engineering).

The school has 71 faculty members, including 60 full-time teachers, 7 laboratory technicians, and 4 administrative. Among the teachers, there are 11 PhD supervisors, 21 professors, 18 associate professors, 28 lecturers, and 3 teaching assistants. The vast majority of the full-time teachers (90%) have doctoral degrees.

For years, graduates of the school have been widely welcomed in all walks of life, with the graduate supply-demand ratio remaining consistent at around 1:5.5. For decades, graduates of our school have played important roles in more than a dozen industries, including territorial resources,

petroleum, metallurgy, non-ferrous metals, coal, railways, hydropower, architecture, urban construction, building materials, civil aviation, spaceflight, the nuclear industry, etc. They have also been engaged in related scientific research, teaching, and engineering construction or serve at prominent positions in governmental departments, playing an irreplaceable role in nation-building.

## Name list of postgraduate instructors for International students(Taught in Chinese)

| School Code | Name | Programs | Tutor |
|---|---|---|---|
| 302 | School of Engineering and Technology | Civil engineering | Huang Feng; Jia Suizi; Mei Gang; Xu Nengxiong; Xue Yiguo; Zhang Bin; Zhang Zhongjian |
| | | Safety Science and Engineering | Fan Yunxiao； Ji Huaijun； Wu Xiang |
| | | Geological resources and geological engineering | Chen Jian; Huang Feng; Sun Youhong; Wang Zhiqiao; Xu Nengxiong; Xue Qilong; Xue Yiguo; Yue Wen; Zhang Bin |

## Name list of postgraduate instructors for International students(Taught in English)

| School Code | Name | Programs | Tutor |
|---|---|---|---|
| 302 | School of Engineering and Technology | Geological resources and geological engineering | Chen Jian; Huang Feng; Sun Youhong; Wang Zhiqiao; Xu Nengxiong; Xue Qilong; Xue Yiguo; Yue Wen; Zhang Bin |

# 303 School of Materials Science and Technology

School of Materials Science and Technology has gradually developed experimental petrology, applied mineralogy, mineral crystal structure, crystal chemistry and other disciplines related to the university's core academic fields of geology, resources, the environment, and geological engineering since 1952. The school has gradually merged and integrated disciplines such as Materials Science and Engineering, Chemical Engineering and Technology, and Environmental Science and Engineering, pursuing innovation and development. The school evolved from the Department of Materials Science, which was founded in 1993. In 1999, the School of Materials Science and Engineering was established following institutional reorganization. Through years of development and continuous pioneering, the school has nurtured an educational philosophy to support and guide the effective utilization of resources and the development of new materials (including mineral materials, non-metal inorganic materials, polymer-based composites, nano-functional materials, etc.). The goal is to meet the nation's strategic needs for comprehensive utilization of resources, energy conservation and emissions reduction, low-carbon and environmentally-friendly industries for a circular economy. In doing so, the school has attained a prominent position, both within China and internationally, in the fields of non-metallic minerals, materials utilization of solid waste resources, etc. In 2015, the disciplines of materials science and chemistry of the school was listed in the top 1% of the ESI, making a crucial contribution to CUGB's overall achievement, with five of the university's disciplines listed in the top 1% of the ESI, confirming the institution's success in building a world-class university in the field of geosciences.

The school has a postdoctoral research station, three doctoral stations, four master's stations, and two Master of Engineering stations. It offers three undergraduate majors, including one national key discipline, one provincial and ministerial key discipline, and one national characteristic specialty. Since

its establishment, the school has nurtured a large number of PhD, master and undergraduate graduates, who are playing an important role in commercial enterprises, scientific research institutions, universities and colleges, management organizations, and in other sectors of the industries of new materials, chemical engineering, environmental protection, energy, building materials, metallurgy, territorial resources, etc.

The school has 55 faculty members. Every member of the teaching body has a doctoral degree, and more than two-thirds have overseas study experience, and 88% of them hold senior professional posts. Among the staff, the school have a winner of the Excellent Young Scientists Fund Project, a recipient of the Young Yangtze River Talent Project, a winner of the "Cross-Century Talent Fund", and four winners of "New Century Talent" of the Ministry of Education. We also have a recipient of the 100 Excellent Doctoral Dissertations of China, a recipient of the Award Nomination of 100 excellent papers, two recipients of the "Golden Hammer Award" and a recipient of the "Silver Hammer Award" for young geologists, a recipient of the "Huang Jiqing Young Geological Science and Technology Award", a recipient of the Hou Defeng Young Geologist Award, a recipient of the "Huo Yingdong Young Teacher Teaching Award", a recipient of the title of " Excellent Teacher of Beijing" and a winner of the title of "Beijing Advanced Individual in Teaching Ethics". In addition, the school has two outstanding teachers in Beijing, and three who won the title of "Science and Technology Stars" in Beijing, with a municipal excellent teaching team and a school-level scientific and technological innovation team.

The school are moving towards reform and innovation. All faculty members are making great efforts for further achievements, laying a solid foundation for the continuing development of the school. Since its establishment, the school has celebrated a number of representative teaching and scientific achievements. In recent years, the school has won a second award of National Excellent Teaching Achievement and two first and second awards of Beijing Excellent Teaching Achievement. Four of textbooks edited by the school have been selected as Beijing Excellent Textbooks, one course

has been selected as a Beijing Excellent Course, and more than 30 monographs and textbooks have been published. The school has achieved outstanding results in teaching and for many years has consistently ranked among the advanced units of teaching management in CUGB. In terms of scientific research, more than 100 national, provincial, and enterprise-commissioned scientific research projects have been completed, and more than 110 research projects are currently in progress. Many achievements have received provincial and ministerial awards. More than 500 SCI papers have been published and more than 60 patents for inventions have been authorized.

In recent years, discipline construction and school development have been combined. The layout of laboratories has been reviewed, planned, and revised and several new teaching and research platforms established, including several advanced materials laboratories, materials processing laboratories, laboratories for materials physical properties characterization, materials chemistry laboratories, and materials design and analog computation laboratories. Materials science, materials chemistry, and other professional laboratories have been optimized and integrated. Our Experimental Center of Materials Science and Engineering has been established and is rated as a university-level experimental teaching center. The school has led the establishment of the "National Professional Laboratory for Development and Application of Mineral Rock Materials", the "Beijing Key Laboratory for Materials Utilization of Non-metallic Minerals and Solid Waste Resources", and the "National Circular Economy Engineering Laboratory". It has also been jointly involved in the establishment of the " Beijing Key Laboratory of Water Resources and Environment Engineering", the Beijing "Research and Development Base for Technology Innovation in Solid Waste Disposal", the Beijing "Demonstration Center for Experimental Teaching of Jewelry and Mineral Materials" and other scientific research and teaching platforms.

Looking forward to the future, we shoulder great responsibilities and keep forging ahead for new heights. We will continue to honor and pursue

CUGB's philosophy of "features and high quality ", with our main development focus being on mineral materials, ceramics and refractory materials, polymer composites, nano-functional materials, comprehensive utilization of resources, etc. We will develop and grow materials disciplines with geological characteristics, build a distinctive brand specialty in materials science, explore new mechanisms for distinctive departmental management, and train distinctive, innovative talents in materials science. In the future, the school will play an even greater role in the fields of materials science, comprehensive application of resources, energy conservation and environmental protection for a circular economy in China.

# Name list of postgraduate instructors for International students(Taught in Chinese)

| School Code | Name | Programs | Tutor |
|---|---|---|---|
| 303 | School of Materials Science and Technology | Materials Science and Engineering | Hu Yingmo |

# 304 School of Information Engineering

School of Information Engineering of China University of Geosciences (Beijing) (CUGB) evolved from the original Computer Application Department established in 1993. Following the expansion of the university and a series of major adjustments and mergers, the School of Information Engineering was officially established in 1999. Since then, the school has maintained and carried forward CUGB's fine traditions of hard work and plain living, adhering to the principle of school management featuring "characteristics and high quality", conforming to the development trends of higher education in the new era, keeping pace with the times and forging ahead in an innovative and enterprising spirit. Years of exploration and endeavor helped form clear strategies of education with peoper disciplinary structure. The school gradually developed a distinctive edge in geoscience information engineering. The goal of talent training is to cultivate "ability to put theory into practice, strong sense of innovation, and all-around development".

The school has five undergraduate majors: Computer Science and Technology, Electrical Engineering and Automation, Geographic Information Systems, Electronic Information Engineering, and Software Engineering. Geographic Information Systems is a national-level specialty. The school has a first-level discipline doctoral station, a center for post-doctoral studies in Surveying and Mapping, and four first-level discipline master’s stations (Computer Science and Technology, Control Science and Engineering, Information and Communication Engineering, and Software Engineering). These doctoral and master's stations accommodate academic and professional postgraduates and also overseas students.

The school enrolls approximately 300 undergraduates and 100 postgraduates every year. The employment prospect for graduates is good. The average employment rate in the past three years has been more than

ninety-five percent. The job qualities are fine, eighty percent of the graduates are employed in state-owned enterprises, listed companies, government agencies, public institutions, or other related departments in large and medium-sized cities.

The school provides comprehensive experimental facilities, proper laboratory equipment that are well managed. Every major has its own professional laboratories, which fully meet the needs of teaching and scientific research and offer an excellent environment for cultivating high-quality informatization professionals. The school has a Demonstration Center in Beijing (for Experimental Teaching of Computers), an Innovation Base (Information Technology), a Public Laboratory for Computer science, a Network Communications and Security Laboratory, a Computer Architecture Laboratory, a Computer Assembly and Maintenance Laboratory, a Geographic Information Systems Laboratory, a Parallel Computing and Visualization Laboratory, a Software Engineering Laboratory, a Computer Graphics Laboratory, an Electronic Electricians Laboratory, an Electrical Engineering and Automation Laboratory, an Electrical Intelligent Control and Application Laboratory, a System Control Laboratory, as well as a number of other specialized teaching and research laboratories. The laboratories cover an area of 2500 $m^2$ and is worth more than 20 million RMB. There are three jointly operating laboratories: a Microprocessor and Robot Laboratory, an Embedded System Laboratory (jointly constructed with Induk University, South Korea), and a Multi-core Computing Laboratory (jointly constructed with Intel Corporation). In addition, the school has established more than ten information technology teaching practice bases in Beijing, with many research and development units. The school actively organizes and supports undergraduates from its various majors to participate in the Asian Collegiate Programming Contest, Robotac, the National Undergraduate Electronics Design Contest, etc., where they have achieved excellent results and have been among the best in Beijing.

At present, the school has 70 teaching and administrative staff, including

5 professors and 23 associate professors and senior engineers. Nearly 90% of full-time teachers have doctorates and the staff is all within a reasonable age range. In recent years, the school has recruited a number of experts and scholars from home and abroad, enlarging the academic team, strengthening scientific research capabilities, and improving the overall level of the teaching staff. Moreover, many domestic academicians and internationally renowned professors are specifically invited to join the teaching and scientific research team, which highlights our academic edge, extends our ability to participate in all kinds of academic exchanges and greatly improves our academic level.

The school encompasses a number of distinguished research institutions, including the Institute of Geosciences and Remote Sensing Information Service, the Institute of High-resolution LiDAR and Hyperspectral Imaging, the Institute of GIS Development and Application, a Research Center for Supercomputing, a 3D Geological Printing Laboratory, a Mobile Internet Technology Laboratory, a Big Data Technology Institute, and an Immersive Virtual Earth Science Laboratory. The school is included in the National High-tech R&D Program (863 Program), the Science and Technology Support program, special projects for public welfare, special geological survey projects, special oil and gas projects, the Natural Science Foundation, and other specialized projects and tasks. It has received a number of provincial and ministerial science and technology awards, published SCI papers, the number of applied for and received authorized patents for inventions, etc.—accolades which are increasing year by year. The school has a distinctive and prominent profile in the fields of remote sensing applications, spatial analysis, land dynamic monitoring, service computing, parallel computing in geoscience, data mining, 3D geological printing, embedded software development, sensor technology, etc., and exerts extensive academic influence at home and abroad. Long-term academic exchange mechanism have been established with institutions in the United States, Canada, Australia, Hong Kong, Taiwan and other countries and regions, significantly raising the level of academic internationalization.

The school attaches great importance to the international training of students. Every year, well-known scholars from multiple countries come to the school as participants in academic exchanges. In 2010, the college initiated the "20+20" partnership assistance program for African universities, initiated by the Ministry of Education, and at the same time launched the "2+2" cooperative education project with the University of Waterloo in Canada. Participating students study for two years in the School of Information Engineering of China University of Geosciences (Beijing) and for another two years in the University of Waterloo to obtain dual degrees from both institutions, greatly enhancing their employment prospects and improving the quality of the graduate employment.

# Name list of postgraduate instructors for International students(Taught in Chinese)

| School Code | Name | Programs | Tutor |
|---|---|---|---|
| 304 | School of Information Engineering | Control Science and Engineering | Li Mei; Wang Yuzhu; Zhou Zhangbing |
| | | Surveying and Mapping | Ming Dongping; Sun Dawei; Wang Yuzhu |

# 305 School of Water Resources and Environment

School of Water Resources and Environment, formerly known as the Department of Hydrogeology and Engineering Geology of Beijing University of Geosciences, was founded in 1952. In 1992, it was renamed the Department of Environmental Science in order to meet the needs of discipline development. In 1998, after department reorganization, it became the Department of Water Resources and Environmental Engineering. It was given its current title in 2002.

The disciplines and majors of the school encompass four first-level disciplines: Environmental Science and Engineering, Hydraulic Engineering, Geological Resources and Geological Engineering, and Biology. At present, the school enrolls students in three undergraduate majors: Environmental Engineering, Hydrology and Water Resources Engineering, and Groundwater Science and Engineering. The majors for master's degrees include Biology, Hydrogeology, Civil Engineering, and Hydraulic Engineering. The majors for professional degrees include Environmental Engineering, Hydraulic Engineering, and Geological Engineering. Doctoral majors include Environmental Science and Engineering, Hydrogeology, Civil Engineering, and Hydraulic Engineering. First-level discipline doctoral stations in the school include Environmental Science and Engineering, and Hydraulic Engineering. There are also postdoctoral research stations for Environmental Science and Engineering, and Hydraulic Engineering. Hydrology and Water Resources is a city-level key discipline of Beijing, and Groundwater Science and Engineering is a national first-class specialty and city-level specialty of Beijing.

The school has 62 teaching and administrative staff, with 53 full-time teachers including 25 professors (15 of whom are PhD supervisors), 20 associate professors, and 2 winners of the National Science Fund for Distinguished Young Scholars. There are around 534 undergraduates, 384

postgraduates, and 109 doctoral students.

The school has "Beijing Key Laboratory of Water Resources and Environmental Engineering" and "Key Laboratory of Groundwater Circulation and Environmental Evolution of the Ministry of Education". It boasts 17 laboratories covering an area of about 3,200 square meters with equipment that is worth about 24 million RMB. A professional practice base for hydrogeology has been established in the Liujiang Basin in Qinhuangdao, Hebei, which has two innovation bases for industry-university-research cooperation and also operates as an environmental engineering practice site for the Beijing Drainage Company. These are crucial facilities for scientific research, experiments and practical training.

In recent years, the school has participated in the National High-tech R&D Program (the 863 Program), the National Key Basic Research Program (the 973 Program), the "Eleventh Five-Year" Plan projects supported by National Science and Technology, as well as major provincial and ministerial projects. The school won national second Prize for Progress in Science and Technology as well as 11 provincial and ministerial first and second prizes. The fields in which the school carries out scientific research include water resources development, utilization and protection, engineering hydrology, groundwater system simulation technology, environmental hydrogeochemistry, groundwater environmental engineering, water treatment engineering, environmental impact assessment, etc. Notable results have been achieved in the field of groundwater science research, particularly in the areas of fissure water seepage, groundwater pollution control, groundwater resources evaluation and management, and coastal groundwater and geothermal water.

The school participates in a wide range of international exchange activities, and has engaged in international cooperation in scientific research and talent training with institutions in the United States, Canada, Japan, the Netherlands, Germany, Israel and other countries. Every year, we invite a number of distinguished foreign scholars to give lectures or deliver academic reports. We also send teachers abroad for advanced studies and international

academic conferences.

Water resources and the environment are dominant issues for the survival and development of human society in the 21st century. Every member of our school—students, teachers, and staff—takes it as the direction for future research, embracing "modernization, international vision and future trends" with a spirit of “being realistic and pragmatic, constantly striving to become stronger”. Guided by the principles of school management featuring “characteristics and high quality”, we strive to create an excellent study environment highlighting "diligence, rigor, pragmatism and innovation". We make arduous efforts to keep pace with the times and to build a top-class teaching and research center with a strong focus on groundwater research for China.

## Name list of postgraduate instructors for International students(Taught in Chinese)

| School Code | Name | Programs | Tutor |
|---|---|---|---|
| 305 | School of Water Resources and Environment | Geology | Guo Huaming; Liu Mingzhu; Shi Zheming; Zhang Baogang |
| | | Hydraulic Engineering | Hou Lizhu; Yu Qingchun |
| | | Geological Resources and Geological Engineering | Liu Mingzhu |
| | | Environmental Science and Engineering | Bi Erping; Chen Nan; Cui Weihua; Guo Huaming; Hao Chunbo; He Wei; Hu Yuanan; Liu Qingsong; Xue Qiang; Yang Qi; Yao Jun; Zhang Baogang |

## Name list of postgraduate instructors for International students (Taught in English)

| School Code | Name | Programs | Tutor |
|---|---|---|---|
| 305 | School of Water Resources and Environment | Geology | Guo Huaming; Liu Mingzhu; Shi Zheming; Zhang Baogang |
| | | Hydraulic Engineering | Hou Lizhu; Yu Qingchun |
| | | Geological Resources and Geological Engineering | Liu Mingzhu |
| | | Environmental Science and Engineering | Bi Erping; Chen Nan; Cui Weihua; Guo Huaming; Hao Chunbo; He Wei; Hu Yuanan; Liu Qingsong; Xue Qiang; Yang Qi; Yao Jun; Zhang Baogang |

# 306 School of Energy Resources

The School of Energy Resources was founded in 1952, evolving from the Departments of Oil and Gas Geology, Combustible Minerals, Geological Exploration, and Energy Geology of the former Beijing Institute of Geology. It is the cradle for cultivating high-caliber talents in the field of energy exploration and development in China.

The School of Energy Resources has two postdoctoral research stations, three doctoral stations, five master's stations and two undergraduate majors. Of these, Mineral Resource Prospecting and Exploration is a national key discipline and Oil-Gas Field Development Engineering is a Beijing Municipality key discipline. Petroleum Engineering and Resource Exploration Engineering (new energy resources direction) are national specialties and Resource Exploration Engineering is an innovative experimental discipline for national talent training models. Since 2012, the school has participated in the "2+2" joint education program with the Missouri University of Science and Technology in the United States, and training programs have been introduced for national outstanding petroleum engineers and for comprehensive reform of the petroleum engineering specialty in China.

The School of Energy Resources is composed of three teaching and research sections: Petroleum Geology, Petroleum Engineering, and Energy and Environment. The faculty has notable strength and depth, including both knowledgeable, experienced professors and a group of up and coming young and middle-aged teachers who provide the 'backbone' of the teaching establishment. The school has 58 teaching and administrative staff in total, including 21 professors (17 of whom are PhD supervisors), 15 associate professors, 14 lecturers, and 8 experimental technology and management teachers. In addition, there are 7 re-employed (retired) professors who act as PhD supervisors and 8 part-time professors. Most of the teachers hold doctoral degrees and have been engaged in advanced studies overseas, such as

to the USA, the UK, Canada, Germany, and the Netherlands. Among all faculty members, two have been selected for the national-level “Hundred-Thousand-Ten Thousand Project”, three have won the Silver Hammer Award of National Young Geological Science and Technology, two have been selected into the program for supporting “New Century Excellent Talents in University" of the Ministry of Education, one has won the "Outstanding Young Teacher Award" of the Ministry of Education, one has won the "National Excellent Doctoral Dissertation", two have won the title of “Outstanding Young Teacher in Beijing”, one has entered the Cross-century Talent Planning of the former Ministry of Geology and Mineral Resources, two have won the title of “Excellent Teacher in Beijing”, one has been elected as a member of the first National Energy Expert Advisory Committee, and one is the assessment expert for the National High-tech R&D Program (the 863 Program).

The School of Energy Resources boasts strong science research capability, constantly tracks the disciplines development trends around the world and remains at the forefront of domestic discipline development. Revolving around the geological exploration and development of coal, oil, and gas in sedimentary basins, a number of research fields with distinctive characteristics have been established, confirming the school’s position at the forefront of energy resources development in China. These areas include sedimentology, sequence stratigraphy, petroleum tectonics analysis, petroliferous basin analysis, coal and coalbed methane geology, hydrocarbon accumulation dynamics, reservoir geology, organic geochemistry, natural gas geology, oil-gas field development geology, reservoir engineering, reservoir numerical simulation, and shale gas geological exploration and development. The school has participated in 165 scientific and research projects, including National Key Scientific and Technological Research Projects, National Climbing Projects, 973 Projects, and other key projects, as well as general projects supported by the National Natural Science Foundation of China and scientific research projects undertaken in cooperation with commercial

enterprises. In the past five years, scientific research funds have totaled more than 300 million RMB, 11 scientific research studies have won provincial and ministerial science and technology awards, 15 monographs and textbooks—as well as more than 500 papers (over 70 SCI papers)—have been published, and four international/domestic academic conferences have been held.

The School of Energy Resources offers comprehensive experimental teaching conditions and experimental facilities, including a National Engineering Research Center (participating), three Provincial and Ministerial Key Laboratories, and hosts an Innovation Team of the Ministry of Education. The Energy Teaching and Experiment Center has 7 labs: the Energy Basic Laboratory, the Organic Geochemistry Laboratory, the Sedimentary Petrology Laboratory, the Petrophysics Laboratory, the Numerical Simulation Laboratory, the Oil-Gas Field Development Laboratory, and the Energy Information Analysis Laboratory. The Teaching Experiment Center of the School of Energy Resources offers relatively advanced equipments and access to experimental specimens of considerable research value accumulated over an extended period. In addition to support undergraduate and graduate teaching and postgraduate dissertation writing, the Teaching Experiment Center also provides services for related scientific research tasks. In 2009, the center was approved as a Beijing Experimental Teaching Demonstration Center and, in 2012, as a National Experimental Teaching Demonstration Center.

According to the needs of discipline development and market demands, the School of Energy Resources constantly reviews and updates the professional content of courses. The curriculum combines the teaching characteristics and discipline advantages of the school, and supports the exploration and practice of models for the training of innovative talents. In 2008, two majors of the school were rated as national professional construction sites (Resource Exploration Engineering was rated as an innovation pilot zone of national talent training models, and Petroleum Engineering was rated as a national characteristic specialty). In 2009, the

school’s "Talent Training Model of Petroleum Engineering of Integrated Exploration and Development" won second place in the Beijing Excellent Teaching Achievement awards. In 2011, Petroleum Engineering was approved as a National "Excellent Engineer Plan", and Resource Exploration Engineering (New Energy Geology and Engineering) was approved as a national characteristic specialty. In 2012, Petroleum Engineering was approved as a "National Comprehensive Reform of Specialty", and the school’s Industry-University-Research Cooperation Base in the Liaohe Oilfield was approved as a National Engineering Practice Education Center. In 2012, the “Construction and Practice of Diversified Cultivation Systems of Talents for Oil and Gas Exploration and Development” of the school won first prize in the Beijing Teaching Achievement awards.

For 60 years, the school has adhered to the spirit of excellence expressed as in "being plain in one's style of living, being realistic and pragmatic". Guided by its scientific outlook on development, the school bases its practice on the schooling philosophy of "feature and high quality". In doing so, it conscientiously implements the educational policy set out by the Communist Party of China, maintains a socialist orientation and strives to cultivate high-quality innovative talents with "excellent morality, solid foundations, extensive knowledge, and profound professionalism". The school has become a first-class institution in China and an internationally renowned base for scientific research and talent training.

## Name list of postgraduate instructors for International students(Taught in Chinese)

| School Code | Name | Programs | Tutor |
|---|---|---|---|
| 306 | School of Energy Resources | Geological Resources and Geological Engineering | Cai Yidong; Gao Ping; Gao Zhiqian; He Dengfa; Hou Dujie; Jiang Zaixing; Li Shengli; Li Song; Liu Jingyan; Tang Xuan; Tao Shu; Wang Hongliang; Wang Hongyu; Xu Hao; Yao Yanbing; Zhang Jianguo; Zhang Jinchuan; Zhang Songhang; Zhang Yuanfu |
| | | Oil and Gas Engineering | Gao Zhiqian; Hu Jinghong; Ju Binshan;Li Kewen; Li Zhiping; Liu Pengcheng；Tao Shu； Xu Hao; Yao Yanbing; Zhang Yuan |

## Name list of postgraduate instructors for International students(Taught in Chinese)

| School Code | Name | Programs | Tutor |
|---|---|---|---|
| 306 | School of Energy Resources | Geological Resources and Geological Engineering | Cai Yidong; Gao Ping; Gao Zhiqian;He Dengfa; Hou Dujie; Jiang Zaixing;Li Shengli; Li Song; Liu Jingyan; Tang Shuheng; Tang Xuan; Tao Shu; Wang Hongliang; Wang Hongyu; Xu Hao; Yao Yanbing; Zhang Jianguo; Zhang Jinchuan; Zhang Songhang; Zhang Yuanfu |
| | | Oil and Gas Engineering | Gao Zhiqian; Hu Jinghong; Ju Binshan; Li Kewen; Li Zhiping; Liu Pengcheng；Tao Shu； Xu Hao; Yao Yanbing; Zhang Yuan |

# 307 School of Economics and Management

The School of Economics and Management was formerly known as the Department of Humanities and Economics and Management. Established in 1993, the school has now expanded into a one with three disciplines covering economics, management, and law. Relying on the outstanding geoscience advantages of CUGB, the school has formed three research teams with distinctive features, including teams of Resources and Environmental Economics, Resource and Environmental Management, and Resource and Environmental Policies & Regulations.

At present, the School provides a post-doctoral station in management science and engineering; two first-level doctoral programs in management science and engineering and applied economics; five first-level Master's programs in applied economics, management science and engineering, business administration, public administration, and the law ; and professional degrees including MBA, MPA, MPAcc, Master of Finance, and Master of Laws. Moreover, our School offers five undergraduate programs including business administration, accounting, economics, information management and information systems, and the law, among which business administration is a national first-class undergraduate program. At the same time, the School offers two bachelor's double degree programs in business administration and the law, and four minor bachelor's degree programs in economics, information management and information systems, business administration and law for all the students of CUGB to train high-calibre talents with comprehensive skills.

The School has a faculty team with rich theoretical and practical experience. The School currently has 89 faculty members, including 19 full professors and 36 associate professors, many of whom have been selected as *New Century Excellent Talents* of the Ministry of Education, *Beijing Social Science Young Academic Leaders*, and Beijing Social Science *"Hundred*

*Talents Project"*. In addition, the School employs more than 40 well-known domestic and foreign experts, entrepreneurs and government officials as adjunct professors or visiting professors. The School consists of 1 ministerial-level key laboratory (Key Laboratory of Resource and Environmental Carrying Capacity Evaluation of the Ministry of Natural Resources), 1 Open Laboratory of the Ministry of Natural Resources (Open Laboratory of Natural Resources Talent Evaluation), 1 school-level Key Laboratory of Resource and Environmental Management,1 school-level teaching experiment center (Economic Management Teaching Experiment Center), 1 Law Laboratory (Moot Court), and 6 departments (Economics, Management Science and Engineering, Business Administration, Public Administration , accounting, and law).

Centering on the motto of "characteristics + quality" of CUGB and the grand goal of building a "world-class university in the field of earth sciences", the School adheres to both theoretical pedagogy and practical teaching, synchronizes the education of science, humanities, physical and psychological qualities. The School has tried out three major reforms , namely "faculty post appointment system", "credit system" and "undergraduate advisor system", by which new models of talent training is explored, and an "open joint school-running model" - international cooperation, joint training between enterprises and institutions are adopted so as to cultivate high-caliber talents that are open, innovative and practical with "good morals, solid foundation, broad knowledge, and profound professionalism". Taking the discipline construction as pre-requisite, the School vigorously develops professional degree education, and strengthens the faculty construction and scientific research so as to build a high-level research-oriented college while enhancing key disciplines construction and characteristic disciplines.

In recent years, our School has made great progress. We were awarded Advanced Unit of Teaching Administration of CUGB in 2003, 2009, 2010, 2011, and 2013. In 2005, we were awarded Advanced Team of "Mass Education Innovation Project" by Beijing Federation of Trade Unions. In

2006, we were awarded Advanced Team of Beijing Education Trade Union. In 2016, we were rated as Advanced Worker's Home of Beijing Education Trade Union, "Advanced Basic-level Party Organization" of CUGB in 2005, 2007, and 2011, and "May 4th Red Flag Youth League General Branch" of Beijing in 2004. The Student Office of our School was awarded honorary Student Office for many times. Our faculty members are actively engaged in international academic exchange activities and have made frequent visits overseas of more than 40 times. They have published nearly 400 international SCI/SSCI indexed papers, presided over nearly 50 national competitive projects, and received more than 95 million RMB of scientific research grants and funds. The school also has established international cooperation in joint educational programs with foreign institutions to enhance innovative talents training and interdisciplinary development.

## Name list of postgraduate instructors for International students(Taught in Chinese)

| School Code | Name | Programs | Tutor |
|---|---|---|---|
| 307 | School of Humanities and Economic Management | Applied Economics | Wu Sangmang |
| | | Management Science and Engineering | Gao Xiangyun; Huang Shupei; Kong Rui; Li Huajiao; Liu Haiyan; Zhang Long |

## Name list of postgraduate instructors for International students (Taught in English)

| School Code | Name | Programs | Tutor |
|---|---|---|---|
| 307 | School of Humanities and Economic Management | Applied Economics | Wu Sangmang |
| | | Management Science and Engineering | Gao Xiangyun; Huang Shupei; Kong Rui; Li Huajiao; Liu Haiyan; Zhang Long |

# 310 School of Geophysics and Information Technology

School of Geophysics and Information Technology (hereinafter referred to as the School), China University of Geosciences (Beijing) traces its root to the Department of Geophysical Exploration of Beijing College of Geology founded in 1952 and renamed as the School of Geophysics and Information Technology in 2002. Internationally famous geophysists and CAS academicians Fu Chengyi, Gu Gongxu, Qin Xinling, Zeng Rongsheng, Liu Guangding, Yang Wencai, etc. once presided over and participated in the work of the School. Their profound scientific attainments and rigorous style of study have posed deep influences on the School's development.

At present, the School holds one state key second discipline "Geophysical Exploration and Information Technology", one ministerial and provincial key first discipline "Geodetection and Information Technology", and one first discipline "Control Science and Engineering". Among them, "Geodetection and Information Technology" is a "Double First Class" discipline, "Solid-earth Geophysics", a secondary discipline of "Geophysics" is a key municipal discipline of Beijing. The School consists of three undergraduate programs, i.e., "Geophysics", "Exploration Technology and Engineering", and "Measurement and Control Technology and Instrument" ; five master's degree awarding points, i.e., "Geophysics", "Gedetection and Information Technology", "Geological Engineering", "Control Science and Engineering" and "Electronics and Communication Engineering"; three doctor's degree awarding points, i.e., "Geophysics", "Gedetection and Information Technology" and "Control Science and Engineering", and two Post-doctoral Research

Centers, i.e., "Solid-earth Geophysics" and "Gedetection and Information Technology".

The School comprises Departments of Geophysics, Exploration

Technology and Engineering and Measurement and Control Technology and Instrument, and has built special scientific research teams for the research on “Deep Geophysical Exploration Technology”, “Marine Geophysical Exploration Technology”, “Resource Geophysical Exploration Technology”, “Energy Geophysical Exploration Technology”, and “Environmental and Engineering Geophysical Exploration Technology”, etc. The School has the Fifth Sub-lab of State Key Laboratory for “Geological Process and Mineral Resources” and the State Experimental Teaching Center for Geological Resources Exploration (Geophysics).

The School conforms to a “unique+excellent” school management theory, and keeps complete, fully reinforced and distinctively characteristic advantages in the orientations of gravity, magnetic, electronic, seismic, nuclear and logging disciplines in the applied geophysical field. It has been boosting the development of “Solid Geophysics”, forming excellent discipline orientations of magnetotellurics, seismology, space physics, etc. in the geophysics field. Besides, the School has taken geophysical equipment research and development (R&D) as its growth point, forming advantages and features in R&D of mineral resources and energy equipment, particularly marine resources prospecting, in the control science and engineering field.

Relying on the co-development mechanism of Ministry of Education and Ministry of Natural Resources, the School aims at national great strategic demands and international geosciences frontiers, and are faced with new problems challenging basic geology, minerals, oil and gas, marine, engineering, environment and disaster fields. The School is developing new theories, methods, techniques, equipment and software of geophysics, continuously strengthen innovative talents, and intensify in-depth combination of production, teaching, research and application, international exchanges and cooperation, so to establish a domestic first-class, internationally known geophysics professional school for establishing a world-class university in the geosciences field.

The School owns a teaching and scientific research group, which is

competent in various disciplines, moderate in scale, complementary to each other, rational in age structure, strong in teaching and scientific research, and innovative and cohesive in team building. The School has established multiple scientific research teams which are guided by leading academic members, supported by young and middle-aged scientists, closely cooperated in theory research, method and techniques research and practice and application, and of permanent innovation capability.

Currently, the School has 76 faculty members, including 25 professors, 27 associate professors, 15 lectures and 2 experimental teachers. Among the teachers, 96% has a doctoral degree and 56% has overseas learning experience; two are academicians of the Chinese Academy of Sciences, one is honored as the talent of National Science Fund for Distinguished Young Scholars, one is honored as the talent of National Science Fund for Excellent Young Scholars, three are honored as New Century Talents of Ministry of Education, one is honored as the talent of Cross-Century of the former Ministry of Lands and Resources, one is titled as Excellent Teacher of Beijing, three win the Silver Hammer Award, Youth Geology Technology Awards of Geological Society of China, four are young talents of colleges and universities in Beijing, and one is honored as one of Excellent Youth Scientific and Technological Talents of Ministry of Land and Resources.

## Name list of postgraduate instructors for International students(Taught in Chinese)

| School Code | Name | Programs | Tutor |
|---|---|---|---|
| 310 | School of Geophysics and Information Technology | Geophysics | Jin Sheng; Li Hongyi; Lu Jun; Qian Rongyi; Tan Handong; Wang Yun; Yang Tao; Zou Changchun |
| | | Control Science and Engineering | Wang Meng |
| | | Geological Resources and Geological Engineering | Chen Zhaoxi; Lu Jun; Qian Rongyi; Tan Handong; Wang Yun; Xu Jingling; Zou Changchun |

## Name list of postgraduate instructors for International students(Taught in English)

| School Code | Name | Programs | Tutor |
|---|---|---|---|
| 310 | School of Geophysics and Information Technology | Geophysics | Jin Sheng; Li Hongyi; Lu Jun; Qian Rongyi; Tan Handong; Wang Yun; Yang Tao; Zhou Changchun |
| | | Geological Resources and Geological Engineering | Chen Zhaoxi; Lu Jun; Qian Rongyi; Tan Handong; Wang Yun; Xu Jingling; Zou Changchun |

# 312 School of Land Science and Technology

School of Land Science and Technology was founded in the early 1950s as the Surveying Teaching and Research Section of the Beijing Institute of Geology. Professor Zhou Ka, a well-known geodesist in China, served as the first Head of the Teaching and Research Section. The department of Surveying and Mapping Engineering was established in 1994 and the department of Land Resources Management in 1999. The Department of Land Science and Technology was established in 2004 and upgraded to the School of Land Science and Technology in 2006. The department of land Consolidation Engineering was established in 2017.

The school has five departments: Survey and Navigation Engineering, Remote Sensing Geographic Information Engineering, Land Resources Management, Land Consolidation Engineering, and Public Policy. Jointly established the Key Laboratory of Consolidation and Rehabilitation; the Land Engineering Innovation Center; the Shanxi Key Laboratory of Resources, Environment and Disaster Monitoring; the Technology Innovation Center for Ecological Restoration in Mining Areas with the Ministry of Education and the Ministry of Natural Resources. Jointly established the Subcenter for International Cooperation and Research on Lunar and Planetary Exploration and other research facilities with the Ministry of Education.

The school offers three undergraduate majors: Surveying and Mapping Engineering (including an Excellence Program), Land Resources Management (including an Excellence Program), and Land Consolidation Engineering. There are two first-level discipline post-doctoral stations (Surveying and Mapping and Public Administration), a center for post-doctoral studies (Surveying and Mapping), and four professional master's stations (Surveying and Mapping Engineering, Public Administration (MPA), Asset Evaluation, and Geological Engineering (land resources management)). The school has established discipline systems in Land Surveying and

Mapping and GIS, and in Natural Resources Exploitation, Utilization, Regulation, Protection, and Management, which have become important new disciplinal growth points in CUGB. These disciplines feature Geodesy, Satellite Positioning Surveying, Photogrammetry and Remote Sensing, Geographic Information Systems, Land Resources Science, Land Economics, the Scientific basis of Land Law, Earth Observation Technology, Engineering Surveying, Digital Photogrammetry, Engineering GIS, Natural Resource Investigation and Registration, Territorial Spatial Planning, Territory Rehabilitation (Ecological restoration of mountains, rivers, forests, farmland, lakes and grass) and Inefficient Land Redevelopment among other specialisms. In 2008 and 2009, Land Resources Management was rated as both a Beijing and a National characteristic major. In 2011, Surveying and Mapping Engineering was rated as a Beijing characteristic major. Also in 2011, Surveying and Mapping Engineering and Land Resources Management were selected for the provision of training programs for outstanding engineers of the Ministry of Education. In 2012, Surveying and Mapping Engineering became an experimental major for comprehensive professional reform within the Ministry of Education.

The school has 50 teaching and administrative staff, including 10 professors, 17 associate professors, and 15 lecturers. Of the teaching staff, 29 hold doctoral degrees and 2 hold master's degrees. In addition, professors teaching part-time at the school include 11 distinguished experts and scholars from the Chinese Academy of Sciences, the Chinese Land Surveying and Planning Institute, the Land Management Center of the Ministry of Natural Resources, the Chinese Academy of Surveying and Mapping, the Surveying and Mapping Bureau of China PLA General Political Department, the University of Waterloo in Canada, the Hong Kong Polytechnic University, and other institutions. Within the teaching faculty, there is a reasonable distribution of age, learning-origins, and professional titles, and there is a complete and well-established range of research specialisms. The platform and innovation team of Land Utilization Engineering Technology, which was

established in 2004, has laid a sound foundation for the construction of new disciplines and further improvement of the quality of teaching and scientific research. The school is currently involved in more than 100 projects in the National High-tech R&D Program (the 863 Program), the National Key R&D Program of the Ministry of Science and Technology, the National Natural Science Foundation of China (major instrument development, key and general), the National Social Science Foundation, the Ministry of Natural Resources, the Ministry of Ecological Environment, the Ministry of Agriculture and Rural Affairs and other ministries and commissions. The school engages in cooperative research with the natural resources departments of more than 10 provinces and cities across China. In the past five years, the school has published 22 monographs and textbooks, and more than 500 papers at home and abroad.

The school has five laboratories with advanced experimental equipment for Survey Engineering, Digital Photogrammetry, Land Information Technology, MAPGIS Engineering, and Land Utilization Engineering. It also houses the municipal experimental teaching demonstration center of Beijing College of Land Surveying and Mapping GIS Engineering, which covers an area of 500 square meters. It has a world-class UAV aerial photogrammetry system, GPS-CORS station and dynamic RTK measurement system, indoor ultra-wide band, WiFi, a video positioning and mapping system, a three-dimensional laser scanner, a ground-based interferometric radar survey meter, a measuring robot, a digital gyroscope, a total station, precision level, airborne and ground hyperspectral cameras, an ASD portable field spectrometer, a direct reading plasma spectrometer, a high-pressure closed microwave digestion system, and an HP graphics workstation, as well as a range of other instruments and equipment (a total of over 400 sets) and supporting software including GPS, photogrammetry, remote sensing, GIS teaching and scientific research software, a land utilization database system, etc. The school has established eight teaching and research practice bases: the Practice Education Center of the Training Program for Outstanding Engineers

of Mine Land Consolidation and Surveying Engineering of CUGB-China Coal Pingshuo Group Co., Ltd (of the Ministry of Education), the off-campus talent training base of the Beijing "Chinese Academy of Surveying and Mapping-CUGB, Tsinghua University, China University of Mining and Technology (Beijing)", the Beidaihe Practice Teaching Base for Geological Cognition, the Zhoukoudian Practice Base for Surveying and Mapping and Land Survey, the Education and Practice base for Surveying of the Southern Company, the Fangshan Comprehensive Survey Technology Field Base of the Ministry of Land and Resources, the Land Reclamation and Ecological Reconstruction Field Base in the Pingshuo mining area, and the industry-university-research cooperation base in Jincheng, Shanxi. The Chairman Unit of No.5 Working Group of No. 4 Committee of the International Photogrammetry and Remote Sensing Association and the Professional Committee of Land Utilization Engineering of the Chinese Society of Agricultural Engineering are both attached to the school, providing strong support for the teachers and students of the school in carrying out teaching and research.

The school implements the Communist Party of China’s education policy, focusing on the fundamental task of fostering virtue through education. The school is led by the five development concepts of “innovation, coordination, environmental protection, opening, and sharing” and guided by innovation-driven development strategies. It recognizes the need to support economic and social development and aims to cultivate high-level talents in the field of territorial resources. CUGB's philosophy of "feature and high-quality" provides a guiding principle as the school actively carries out domestic and international exchanges and cooperative activities, continues to expand research fields, and cultivates inter-disciplinary talents that meet the needs of socialist modernization and construction in China.

## Name list of postgraduate instructors for International students(Taught in Chinese)

| School Code | Name | Programs | Tutor |
|---|---|---|---|
| 312 | School of Land Science and Technology | Surveying and Mapping | Kang Zhizhong; Wan Xiaoyun; Wang Yuebin |
| | | Public Management | Cao Yingui; Feng Zhe; Wang Jinman; Zhang Jianjun |

## Name list of postgraduate instructors for International students(Taught in English)

| School Code | Name | Programs | Tutor |
|---|---|---|---|
| 312 | School of Land Science and Technology | Surveying and Mapping | Kang Zhizhong; Wan Xiaoyun; Yan Kai |

# 319 School of Science

The Beijing Institute of Geology was established in 1952, and the present School of Science evolved from four of the institute's original departments: the Mathematics Teaching and Research Section, the Physics Teaching and Research Section, the Chemistry Teaching and Research Section, and the Chemical Analysis Section. In 2012, following a series of changes, CUGB decided to merge the physics and chemistry teaching and research sections of the School of Materials Science and Technology with the mathematics teaching and research section of the School of Information Engineering to form the School of Science. The school has four departments: Mathematics, Applied Mathematics, Physics, and Chemistry. It also has an Experimental Teaching Demonstration Center for Colleges and Universities in Beijing (the Physics Experimental Teaching Center), and a college-level experimental teaching demonstration center (the Chemical Experimental Teaching Center). It has a research-based laboratory (the Mathematical Model and Reservoir Simulation Laboratory) and an external service laboratory (the Chemical Analysis laboratory).

The school has one second-level doctoral station (Modern Mathematics and Control Theory), three first-level discipline master's stations (Mathematics, Physics, and Chemistry), three professional degree master's stations (Materials and Chemical Engineering, Applied Statistics, Electronic Information), one undergraduate major (Mathematics and Applied Mathematics), one Innovative Experimental Class, and one Ethnic Minority Preparatory Class.

The school has 80 teaching and administrative staff, including 13 professors, 32 teachers with senior professional titles, and 60 teachers holding doctorates. There are 488 students, including 28 university-preparatory students, 203 undergraduates and 257 postgraduate students.

Since 2012, the faculty of the school has undertaken more than 70

scientific research projects under the auspices of the National Natural Science Foundation of China as well as a variety of enterprises, institutions, etc. Over 140 papers have been published by SCIE.

In the Beijing Youth Teacher Basic Teaching Skills Competition, Zhao Junfang, Geng Fengjie and Fan Yushuang, all teachers in the school, won the municipal second prize, and Liu Xuanhe won the municipal third prize.

The school has two Famous Teachers in Beijing (Chu Baozeng and Zhao Changchun) and three Famous Teachers in CUGB (Chu Baozeng, Zhao Changchun, and Hao Huiying).

Sociometric development has given increasing prominence to high and new technology in basic subjects such as mathematics, physics, and chemistry, as well as in engineering disciplines and even the economic sphere. The demand for scientific talents in society is increasing. Students in mathematics and applied mathematics have been enrolled since 2000. The pass rate of students sitting the postgraduate entrance examination is high, and the employment situation of graduates is good, with the employment rate being above 95%.

# Name list of postgraduate instructors for International students(Taught in Chinese)

| School Code | Name | Programs | Tutor |
|---|---|---|---|
| 319 | School of Science | Materials Science and Engineering | Gao Hua; Gao Lu; Hao Huiying; Liu Hao; Liu Xuanhe; Wang Yafang; Wu Jing; Wu Xiuwen; Xing Jie; Zhao Changchun |
| | | Control Science and Engineering | Gao Shichen; Huang Haochong; Wang Haiying; Zhao Junfang |

# 501 Institute of Earth Sciences

Founded in 2011, Institute of Earth Sciences is a secondary institution which integrates the team of scientific research and innovation, experimental technology platform and team of administration and service in China University of Geosciences (Beijing). It is a special development zone by combining the characteristics of CUGB, following the rules of scientific research, integrating science and technology resources and exploring the integration of science and education.

Institute of Earth Sciences converges a group of leading talents with profound academic attainments from the advantageous fields of geology, resources, environment and geo-engineering technology of CUGB. It focuses on the major basic research direction of modern geology and geoscience extension to serve the major national needs and international research frontiers. With critical scientific problems as orientation, and the leading talents as the core team, the institute conducts the building of academic subject team and experimental technical team. It has formed six research groups including lithospheric structure, the continental convergence and the plateau uplift, metal isotopes and recycling of crust-mantle materials, magmatic-hydrothermal evolution and mineralization, deep life and environment evolution, and extreme environment biogeochemical cycle. In recent years, the groups have achieved a series of important research advances in the establishment and geological application of high-precision metal isotope analysis and testing methods, the growth process and mechanism of the Tibetan Plateau, the superficial response of the earth's deep processes, the composite orogenic process and the enrichment mechanism of ore-forming elements, the evolution of the basin-mountain system and continental deformation.

Based on the State Key Laboratory of Geological Processes and Mineral

Resources and the State Key Laboratory of Biogeology and Environmental Geology, the institute has built complete experimental platforms, with more than 20 laboratories including rock and mineral composition structure, isotope chronology, isotope geochemistry and paleomagnetism. Equipped with X-ray diffraction analysis, electron microscopic analysis, mass spectrometry, spectroscopy, magnetic method and other related instruments and equipment, it can satisfy the research needs of the main disciplines of geology. The related laboratories have passed the national metrology certification and established a unified open management platform. Following the principle of integrating scientific research, testing, teaching, and social service, the experimental platforms promote the development of the experimental test with scientific research, and support scientific research and talent cultivation with experimental test, achieving outstanding results. The high precision isotope analysis of Ca, Mg, Fe, Cu and mineral crystal structure research are at the international first-class level. The study of crystal mineralogy is at the leading level in China. In 2014, the study of pyrochrite superfamily minerals was listed as one of the Ten Advances in Geological Science and Technology by The Geological Society of China.

Institute of Earth Sciences practice the motto of "hard work and plain living, staying realistic and pragmatic" to promote national key laboratories and first-class discipline construction for the improvement of core competitiveness of science and technology and the innovation advantage field populations and outstanding talent cultivation. With the Ministry of Education discipline construction as an opportunity, it strives to create a scientific research culture of pursuing truth, optimize the internal mechanism and structure, build innovative research group, produce first-class scientific research, and cultivate innovative talents for the development of characteristic discipline in geology, geological resources and geological engineering contributing to enhance the core competitiveness of science and technology of CUGB.

## Name list of postgraduate instructors for International students(Taught in Chinese)

| School Code | Name | Programs | Tutor |
|---|---|---|---|
| 501 | Institute of Earth Sciences | Geology | Li Lin; Jian Wei; Wang Rui; Wang Yu; Zhu Dicheng |

## Name list of postgraduate instructors for International students(Taught in Enlish)

| School Code | Name | Programs | Tutor |
|---|---|---|---|
| 501 | Institute of Earth Sciences | Geology | Li Lin; Jian Wei; Wang Rui; Wang Yu; Zhu Dicheng |

艰苦朴素

求真务实

温家宝

中国地质大学（北京）国际合作与交流处
招生咨询：+86-10-82321210；+86-10-82322951
Email：Lanma@cugb.edu.cn；huangxu@cugb.edu.cn
招生信息网：http://bm.cugb.edu.cn/gjhzc/
学校地址：北京市海淀区学院路29号
邮政编码：100083