UNITED NATIONS
Office for Outer Space Affairs

Regional Centre for Space Science and Technology Education
in Asia and the Pacific (China)(Affiliated to the United Nations)
联合国附属空间科技教育亚太区域中心(中国)

2026

MASTA & DOCSTA
Admission Announcement

RCSSTEAP (China), Beihang University

2026 MASTA & DOCSTA Admission Announcement

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Foreword

Yunpeng Wang
President of Beihang University and Chairman of the Advisory Committee of RCSSTEAP

Since its establishment in 2014, the Regional Centre for Space Science and Technology Education in Asia and the Pacific (China) (Affiliated to the United Nations) (the abbreviation is RCSSTEAP) has played an important role in promoting international exchange and cooperation in the field of space science and technology education, achieving remarkable results that are widely recognized. As the host institution for the center, Beihang University will further strengthen in-depth exchanges and cooperation with the United Nations Office for Outer Space Affairs (UNOOSA), member countries of the center, and relevant international organizations.

Our vision is to build the center into a platform for promoting international educational cooperation. Relying on the educational resources and policy advantages of Beihang University's Hangzhou International Campus, we will further explore the integration of science and education, as well as the collaboration between industry and education, to empower the training of international students and non-degree educational programs. We will continue to expand the scale and level of education, creating a "model" for international cooperation in space science and technology education.

With the joint efforts of all parties involved, we are confident that the center will play an increasingly important role in promoting international scientific and technological cooperation. Focusing on the frontiers of international space science and technology, we will conduct broader and deeper scientific cooperation and technical exchanges with relevant international organizations and member states in areas of mutual concern, such as deep space exploration, planetary exploration, and lunar exploration. In doing so, we will contribute our wisdom and efforts to humanity's exploration of the vast universe.

Overview

United Nations Programme on Space Applications (UN-PSA)

Space technology has advanced rapidly in recent years. Nevertheless, a number of countries still lack the human, technical and financial resources required to conduct even the most basic space-related activities, such as meteorology, communications and natural-resource management. The need to make the benefits of space technology available to all countries has thus grown more urgent with each passing year.

The Programme on Space Applications (PSA), since its creation in 1971, has made substantial progress in furthering knowledge and experience of space applications around the world. Provision of country capacity-building, education, research and development support and technical advisory services by the Programme have all helped to reduce the gap between the industrialized and developing countries. Much more, however, remains to be accomplished.

The support of Member States and their participation in the Programme on Space Applications are vital. It is only through the commitment of all nations that the Programme can achieve its primary objective of putting space technology to work for sustainable economic and social development, not just in individual countries but on a global basis.

Programme on Space Applications in Beihang University

In order to transform the recommendations of the United Nations Programme on Space Applications into practical and operable programme, Beihang University (https://ev.buaa.edu.cn) has initiated the Master Programme on Space Technology Applications (MASTA) since 2006. And in 2013, the Doctoral Programme on Space Technology Applications (DOCSTA) was launched. In November 2014, the Regional Centre for Space Science and Technology Education in Asia and the Pacific (China) (Affiliated to the United Nations) (http://rcssteap.buaa.edu.cn) was established as an education and training entity supported by the United Nations Office for Outer Space Affairs (UNOOSA), which locates in the campus of Beihang University.

MASTA is an elaborately designed and intensive Master programme for students who are interested in exploring the mysterious universe. This application-oriented programme focuses on both knowledge acquisition and operational training. While DOCSTA focuses on training participants with solid theoretical knowledge and systematic expertise in the field of space technology applications. MASTA&DOCSTA aim to deliver “International, Interdisciplinary, Intercultural, Innovative, Identical (5I)” education and provide a powerful platform for scholars and professionals to obtain more opportunities for communicating and experiencing the space technology practice in China.

This programme is designed to give participants a competitive advantage by:

- Broadening their knowledge on space-related issues and activities and encouraging participants to use acquired knowledge and skills through practical, hands-on experience;
- Providing a variety of practice opportunities (including watching satellite launches on site, attending international conferences/workshops, etc.);
- Internationally qualified professors and experts from a diversity of academic backgrounds;
- Modularized curricula design and flexible study modes;
- Developing cross-cultural communication skills in an internationalized atmosphere.

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MASTA&DOCSTA Programme in 2026

The educational fields of MASTA&DOCSTA Programme in 2026 include Remote Sensing and Geographic Information System (RS&GIS), Global Navigation Satellite Systems (GNSS), Micro-satellite Technology, and Space Project Management.

Doctoral Participants are expected to have the ability to conduct the independent scientific research, explore applications or engage in professional careers in related fields, and the educational fields of **DOCSTA Programme in 2026 include Remote Sensing and Geographic Information System (RS&GIS), Global Navigation Satellite Systems (GNSS), and Micro-satellite Technology.**

Candidates are expected to have a profound grasp and understanding of new technology and development in space science technology and applications. They are required to finish the dissertation with high practicability and application prospects.
Lectures are conducted in English. The thesis for project practice is required to be written in English.

Participants will be awarded with the Graduation Certificate of Beihang University and Master’s/Doctoral Degree Certificate of the People’s Republic of China when fulfilling the required credits and passing the thesis defense.
The faculty team consists of professors and scholars from both domestic and international universities and institutions, as well as many experts from business sectors.

For more details, please visit our website:
http://rcssteap.buaa.edu.cn/kjkjjyev/Education.htm

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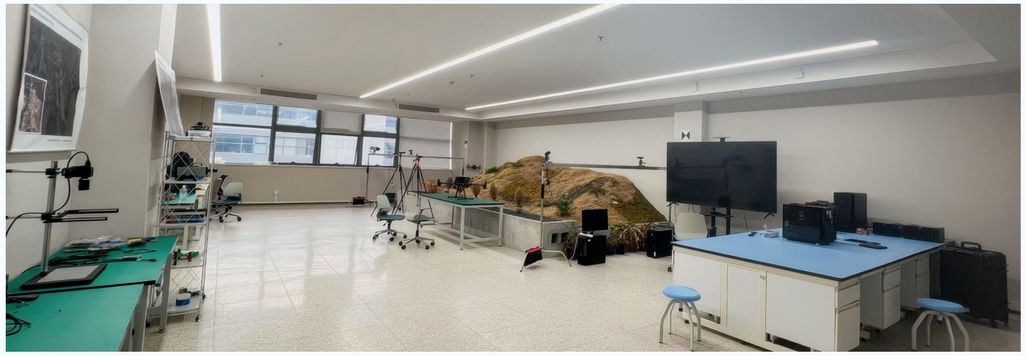
Introduction of MASTA&DOCSTA Degree Programs

Remote Sensing and Geographic Information System (RS&GIS)

The potential of remote sensing techniques, coupled with GIS, are widely recognized as supporting tools for planning, monitoring, and managing the appropriate utilization of resources at the country, regional and global levels. Nowadays there is an urgency to prepare for any future adversity as the frequency and magnitude of natural disasters are increasing due to urbanization, climate change, environmental issues, etc.

Our Remote Sensing and GIS program integrates application-driven learning with the organization's core spatial application goals. Designed to prepare you to contribute to UN-led initiatives (e.g., disaster risk reduction, sustainable development, and global environmental monitoring), this program equips you with the practical skills to turn space-based data into solutions for humanity's most pressing issues. The curriculum is intentionally aligned with UNCOPUOS's focus on using space technology for global good, with modules that directly map to the organization's key action areas, like Remote Sensing for Disaster Risk Reduction (DRR), Spatial Tech for Sustainable Development Goals (SDGs), Global Environmental Monitoring with Space Data, etc., and it also embeds AI as a core capability.



Teaching emphasizes both hands-on experience and exploration of professional concepts and methods, and outreach activities, internships, and research collaborations will ensure students gain insights into real-world problems and applications. It is designed to provide students with the theoretical background and sufficient practical skills to start or advance their careers in RSGIS applications.

If you want to use Remote Sensing and GIS to contribute to UN's mission of harnessing space technology for peace, development, and human well-being- this program is your gateway. You'll graduate with the practical skills, global perspective, and network to make a tangible difference in addressing the world's most urgent challenges.
Your journey to turning space-based data into global good starts here.

Global Navigation Satellite Systems (GNSS)

Global Navigation Satellite Systems (GNSS) provides positioning, navigation and timing services for the whole world. China's BDS-3 Navigation Satellite System was officially commissioned in 2020. BDS products have been exported to over 120 countries and regions, serving hundreds of millions of users. Navigation satellites are the most important national spatial information infrastructure in modern social life and military affairs. Together with communications, remote sensing, big data and artificial intelligence, they would serve people in many areas, such as global personal communications, intelligent transportation, disaster prevention and mitigation, emergency response, automatic driving, precision agriculture and high precision timing.

Teaching emphasizes both hands-on experience and exploration of fundamental concepts and methods. Theoretical and practical courses are conducted to enable students to master the GNSS principle, receiver design, augmentation systems and high precision applications. As a bridge between theoretical teaching and hardware experiments, virtual simulation platform has been developed to support BDS/GNSS satellite

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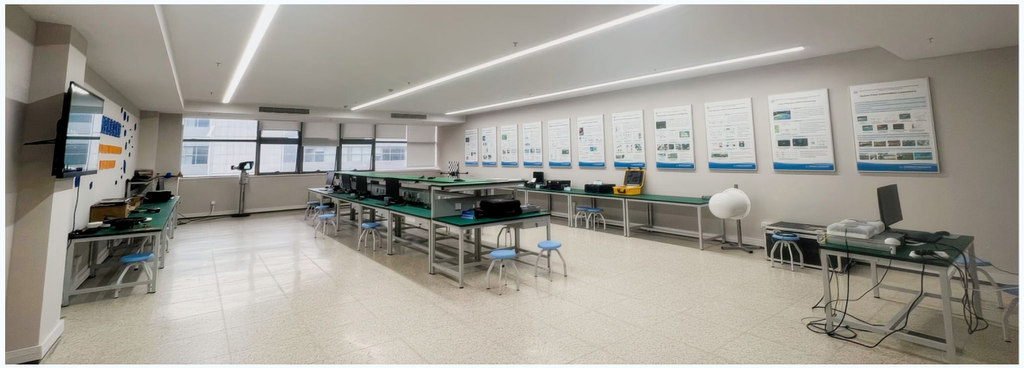
orbit design, signal design, signal processing and navigation application virtual simulation experiments, thus to improve the teaching visualization while enhancing student experience.



GNSS lab

Based on good partnership with Chinese leading enterprises in the domestic satellite navigation industry, such as Beijing BDStar Navigation Technology Co., Ltd., Shanghai HuaCe Navigation Technology Co., Ltd., Beijing UniStrong Technology Co., Ltd. etc, a wide range of practice base has been established. Extensive outreach activities, internships, and research collaborations will ensure students understand an industry layout from core technology, components, terminal equipment, solutions to service platforms, and gain insights into real-world problems and applications.

The program also provides opportunities for students to keep track of the frontier technology related to GNSS. To meet the development and application needs of GNSS, 5G/6G communication, low earth orbit satellite internet, internet of vehicles (IoV) and internet of things (IoT), research on high performance signal processing algorithm, anti-jamming/anti-deception algorithm, integrated PNT technology are involved. This program is designed to provide students with the theoretical background and sufficient practical skills to start or advance their careers in GNSS applications.

Micro-satellite Technology

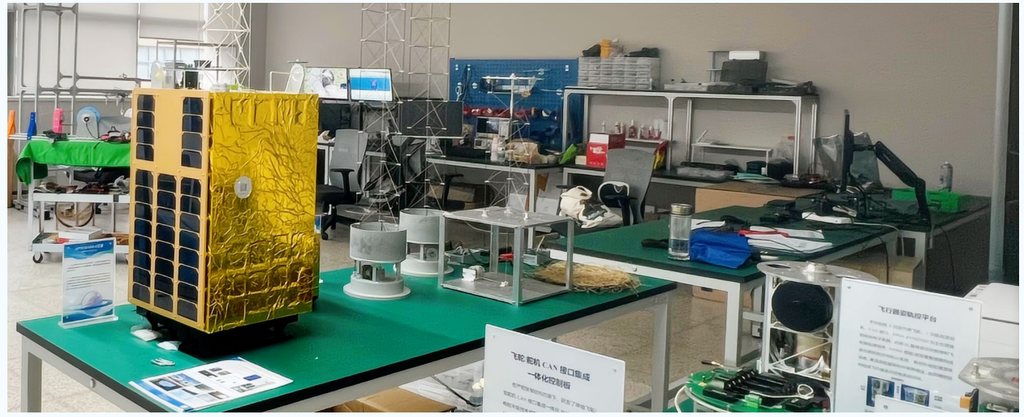
During the past decades, the micro-satellites have been applied widely to perform space experiments, demonstrate new technology and operational missions. Micro-satellite has become one of the key fields in the future space exploration.

In order to improve students' innovation and engineering ability in spacecraft design, graduate students in the small satellite technology direction of Beihang University will participate in actual small satellite projects. From 2015 to 2023, Beihang has successfully completed the Asia-Pacific Space Cooperation Organization Student Small Satellite (APSCO SSS) Project and developed a 30kg small satellite SSS-1, which was launched in Taiyuan Satellite Launch Center on October 14, 2021. The project supports the graduate students in small satellite technology to carry out a series of research work closely combined with engineering practice, and has achieved a good talent training effect.

Beihang is able to guide students to carry out the whole process of small satellite design, subsystem design, application loads configuration, telemetry and remote control, and on-orbit demonstration and verification of the theoretical study and practice. It can also be combined with the specific situation of the sending country to carry out small satellite design practice for practical application needs such as climate change, environmental problems, disaster prevention and reduction. Based on good partnership with international organizations, domestic and foreign universities, scientific research institutions and enterprises, a wide range of practice base has been established. Extensive outreach activities, internships, and research collaborations will ensure students gain insights into real-world problems and applications. It is designed to provide students with a theoretical background and sufficient practical skills to begin or advance their careers in the field of small satellite technology and applications.

Beihang has maintained good cooperative relations with China's national space department and a number of commercial space companies, such as the National Astronomical Observatories, China Aerospace Science and Technology Corporation, Galaxy Space Corporation, Mino Space Corporation, ChangGuang Satellite Technology Corporation, etc. We will regularly invite industry experts to Beihang University to give frontier

technology lectures to international students, and also organize students to visit and study in aerospace production and application sites.



Micro-satellite lab

Space Project Management

Space Project Management (SPM) programme provides project management knowledge, skills and technologies for space industry. In addition to traditional project management, students could learn the cutting-edge knowledge related to space enterprises, aviation enterprises, airline transportation management, etc. SPM emphasizes both practical experience and exploration of fundamental concepts and methods. Fundamental concepts and methods are delivered through elementary courses and specialized courses. The hands-on experience is provided through outreach activities, internships and so on. SPM enables students to understand the social and economic situation in China, as well as to investigate the characteristics of China's manufacturing and service industries. SPM plans to visit more than 10 enterprises, including those in space industry, international trade industry, information technology industry, etc. In particular, students have the chance to observe rocket launches on site.

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Graduate Programs Offered

We offer several Space Technology Application graduate programs. Below is a brief overview of our flagship programs in 2025:

1. MASTA of Space Technology Application in Remote Sensing and GIS
2. MASTA of Space Technology Application in GNSS
3. MASTA of Space Technology Application in Micro-Satellite Technology
4. MASTA of Business Administration in Space Project Management
5. DOCSTA of Space Technology Application in Remote Sensing and GIS
6. DOCSTA of Space Technology Application in GNSS
7. DOCSTA of Space Technology Application in Micro-Satellite

Program Highlights:

- Advanced courses in space technology, AI, machine learning.
- Hands-on projects in collaboration with industry leaders.
- Access to a network of alumni who are leaders in technology and engineering.

Education in RCSSTEAP emphasizes both hands-on experience and exploration of professional concepts and methods, and outreach activities, internships, and research collaborations will ensure students gain insights into real-world problems and applications. It is designed to provide students with the theoretical background and sufficient practical skills to start or advance their careers in space technology application fields.

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Why Space Technology Application Program in RCSSTEAP?

- **Distinguished Faculty:**

Our faculty includes world-renowned scholars, researchers or managers who are experts in their fields. Several former directors of UNOOSA have delivered some courses in RCSSTEAP.

- **Innovative Curriculum:**

Our programs are designed to provide a blend of theoretical knowledge and practical experience, ensuring students are well-prepared for the workforce or further research.

- **Global Perspective:**

Based on the United Nations Programme on Space Applications, we offer a truly global learning experience, with students and faculty from all over the world, fostering cross-cultural collaboration and understanding.

- **Professional practices:**

At RCSSTEAP, we value professional experiences and professional practices. With our wide collaboration network, our graduate students actively participate in many exchange programs, international conferences, and study tours.

- **Cutting-Edge Labs and Resources:**

Our graduate students have access to the latest research tools, technologies, and labs in disciplines such as Remote Sensing, GNSS and Micro-satellite.

- **Collaborative Research:**

We foster a culture of collaboration, with many students working alongside faculty on groundbreaking research projects. Recent projects have led to publications in many top journals.

- **Research Funding:**

Beihang University provides ample research funding opportunities through UPS plan.

- **Alumni Network:**

With over 400 alumni across more than 20 countries, our alumni network is a powerful tool for career advancement.

- **Internships and Co-op Programs:**

Gain hands-on experience through internships and cooperative education programs with leading companies in your field.

- **International Cultural Activities:**

Our campus regularly hosts cultural events that celebrate the diversity of our student body. These activities offer students the chance to learn about and experience other cultures while building lifelong friendships across borders.

- **Conferences and Workshops:**

Attend and present at national and international conferences, where you can showcase your research and gain feedback from experts in your field.

- **Wellness and Support Services:**

We offer comprehensive wellness programs, counseling services, and academic support to ensure our students thrive both academically and personally.

Eligibility

Applicants must

- Be a citizen of a country other than the People's Republic of China, and be in good health both mentally and physically;
- Be a bachelor's degree holder under the age of 35 when applying for MASTA;
- Be a master's degree holder under the age of 40 when applying for DOCSTA;
- Applicants who have some professional experience working in space technology industry or research institutes are preferred;
- Have a good command of English and the ability to take courses in English;
- Applicants are supposed to have research background in relevant areas.

Schedule

- Online Application Start Date: **November 1, 2025**
- Application Deadline: **June 30, 2026**

Notes: For the scholarship application deadlines, please refer to the scholarship information for details.

- Registration Date: **September, 2026** (The specific date will be published on the admission notice)

Study Duration

MASTA program: 2 years
DOCSTA program: 4 years

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Application Procedures and Required Documents

[Step 1] Apply Online

Apply online at http://admission.buaa.edu.cn.

[Step 2] Prepare and Submit Documents

Submit the scanned copies of all the required application documents online:

(1) Application Form for Master Program (generated automatically by the online application system.

(2) Passport home page (ordinary passport with the validation over September, 2026.

(3) Notarized highest diploma. Prospective diploma winners must submit official proof of student status with the expected graduation date by their current university.

(4) Academic transcripts (from the undergraduate program onwards) issued and sealed by the attending university.

(5) Language qualification certificates: Applicants for English-taught programs shall provide relevant English proficiency certificates. The minimum score for different English tests are: IELTS 6.0 Academic, TOEFL 90, Duolingo 105, within 2 years. It is recommended to submit GRE scores at the same time (if any).

(6) Acceptance letter from supervisor of Beihang University. All the master program applicants should provide this document in principle.

(7) Study plan (written only in Chinese or English) containing more than 1,000 characters or words.

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(8) Two letters of recommendation (written only in Chinese or English) from professors or associate professors including the comprehensive evaluation of the applicant.

(9) Foreigner Physical Examination Form. The form is designed by the Chinese quarantine authority. The physical examinations must cover all the items listed in the Foreigner Physical Examination Form. Incomplete records or those without the final suggestion or signature of the attending physician, the official stamp of the hospital, or a sealed photograph of the applicants are invalid. The result is valid for only 6 months.

(10) Non-criminal record report. The applicant shall submit a valid certificate of Non-Criminal Record issued by the local public security authority, usually issued within 6 months prior to the submission date of the application.

(11) Certificate from the financial guarantor of the applicant and bank statement(for self-support applicant).

(12) Resume (It is required to include a chronological account of your academic or professional experience from senior high school to the present).

(13) Integrity commitment letter.

(14) Proof of application fee payment with applicant's name and passport information.

(15) The list of application documents.

(16) Other documents required by Beihang University.

Visit https://is.buaa.edu.cn/en/lxsq/yjs/ssyjs.htm to access the templates of relevant application materials.

Please notice:

- Documents should be in English or Chinese or attached with notarized Chinese or English translations.

- Documents must be clear, authentic, and valid. Applicants are recommended to use a professional device to scan the relevant documents. Applicants shall bear the consequences caused by unclear or unidentifiable uploaded materials.

- Your document review process will only start after your application fee receipt submitted in the system.

- If there are any authenticity issues with your application documents, your application qualification will be cancelled immediately.

- Hard copies of the documents are not required.

Scholarships

- | Chinese Government Scholarship
- | Beihang University Foreign Students Scholarship

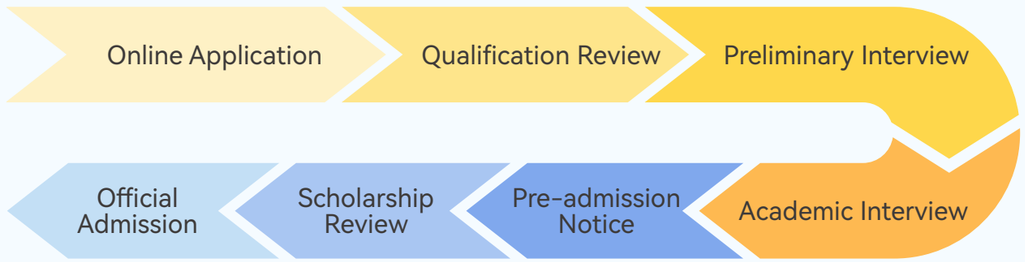
Please find more details about scholarships via: https://is.buaa.edu.cn/en/jxj.htm.

Please notice:

- If you apply for RS&GIS, GNSS and Micro-satellites Technology, the specialty should be chosen as "Space Technology Applications".

- If you apply for Business Administration (Space Project Management), the specialty should be chosen as "Business Administration" in Chinese Government Scholarship Information System and "Business Administration (Space Project Management)" in Beihang International Student Online Application System.

Review and Admission Procedures



Fees

- Application Fee: CNY 400
- Tuition Fees: CNY 35000/year for MASTA, CNY 42000/year for DOCSTA
- Comprehensive Medical and Accident Insurance: CNY 800/year

Please notice:

- The application fee will not be refunded whether the application is successful or not.

- All students must purchase Comprehensive Medical and Accident Insurance upon the registration.

Accommodation

- International Students Dormitory, double room.
- Hangzhou International Campus:2,000Yuan/Year,per bed
- The accommodation fee is based on the actual arrangement for accommodation upon the registration,and the cost does not include utilities.

How to pay the application fee

Application fee: CNY 400 or USD $70

There are two options for your payment.
1. Pay through the PAYEASE online payment function in the application system.
2. Pay by bank remittance service.

Beneficiary info for Application Fee:

For USD
Beneficiary Name: BEIHANG UNIVERSITY
Account No.: 0200006209026400229
Beneficiary Banker's Name: Industrial and Commercial Bank of China, Beijing Dongsheng Road Branch, Beijing, China
Swift Code: ICBKCNBJBJM

For CNY
账户名：北京航空航天大学
账号：0200006209026400229
收款行：中国工商银行北京分行东升路支行

Please notice:

- Application Fee paid via WeChat/ Alipay/ PayPal or in cash will not be accepted.

- If you pay by bank remittance, please write down applicant's name and passport information on the receipt before you submit it into application system.

- Please double check by yourself if you need to pay the application fee or not in advance. Payment is not refundable.

- Beihang fresh graduates do NOT need to pay the application fee.

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Contact Information

- Ms. Guo Yuanyuan, Ms. Ma Shuchi
- E-mail: masta@buaa.edu.cn，sm3601@buaa.edu.cn
- Website of RCSSTEAP: http://rcssteap.buaa.edu.cn
- Website of China Scholarship Council: http://studyinchina.csc.edu.cn
- Beihang International Student Online Application System: https://admission.buaa.edu.cn

Facilities

Hangzhou City

All Masta and Docsta students in RCSSTEAP study in Hangzhou international campus of Beihang University since 2024. The campus is designed to provide a world-class educational environment, equipped with state-of-the-art facilities for teaching, research, and student life.

Hangzhou, the capital of Zhejiang Province in eastern China, is known as one of China's most picturesque cities, and is often referred to as 'Paradise on Earth' due to its serene landscapes, traditional gardens, and ancient temples. Hangzhou is famous for West Lake (Xi Hu), a UNESCO World Heritage site, its silk production, and Longjing tea.

In addition to its natural beauty, Hangzhou is a hub for technological innovation and e-commerce, home to the headquarters of Alibaba Group, one of the world's largest e-commerce companies. It has earned the reputation of being a "Silicon Valley of China" due to its thriving tech ecosystem and the presence of a growing number of startups and digital enterprises.

The West Lake

The Grand Canal

Hangzhou Campus of Beihang University

The Hangzhou International Campus of Beihang University is built in line with the school-running orientation of "high standard, new mechanism and internationalization". It serves as a demonstration zone for international education, a talent pool for top-tier professionals, a growth pole for interdisciplinary disciplines, a source of major achievements, and an international frontier interdisciplinary platform. It covers an area of about 100 hectares.

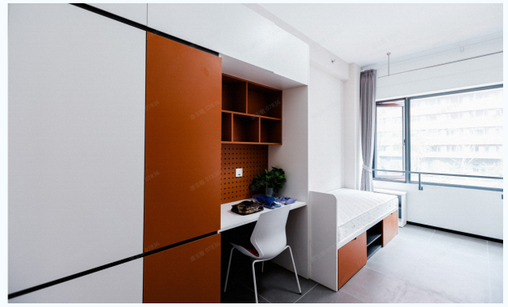
Overview Map of the Whole Hangzhou International Campus of Beihang University

Main Building

Student Residence Hall

Research laboratory building

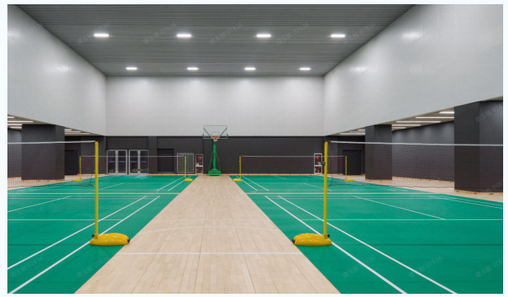
Dining hall



Dorm room

Classroom

Basketball Gymnasium



Badminton hall

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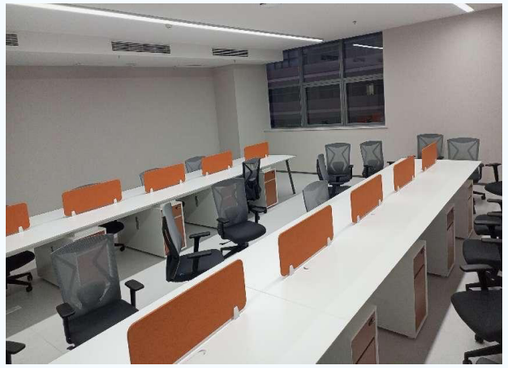
Library



Graduate laboratory

Computer lab

We Look Forward to Welcoming You!

At RCSSTEAP in Beihang University, we are committed to providing a supportive and enriching environment for all our graduate students. Apply today and take the next step toward your professional and international future.