## MASTA Remote Sensing and Geo-information System (RS&GIS)

of the human race in the last six decades, has undoubtedly advanced with great stride. The various practical benefits of space technology play a central role in international development efforts.

Overview

Space Applications (UN-PSA) into a practical and operable program, Beihang University has initiated the Master program on Space Technology Applications (MASTA) since 2006, and the program has been held 12 times with success till now. The MASTA program has enrolled totally 298 postgraduate students from 21 countries, among which 194 students have graduated and obtained the Master's Degree on Space Technology

Space technology and its applications, the most fascinating technical achievement

In order to transform the recommendations of the United Nations Programme on

Applications.

Space Science and Environment, etc.

The training procedures are as follows.

(a) 9-month Course Study (b) 12 months Thesis Research

International education at Beihang University (also known as BUAA) was inaugurated in the early

their doctoral, master, or bachelor degrees. By 2019, more than 2,300 international students have successfully graduated with degrees from Beihang. Batches of outstanding international alumni are playing a great role at work and contributing to the

International student programs at Beihang mainly include bachelor degree programs, master degree programs, doctoral degree programs, as well as various non-degree programs such as Chinese language training programs and visiting scholar programs. Beihang University is one of the few universities in China where English is used as its primary language of instruction for all international master and doctoral programs, as well as some of

prosperity and development of the world.

its bachelor programs.

Education Curricula of UN-PSA, the study period is divided into two phases:

obtain more opportunities for communicating and experiencing the space technology practice in China. MASTA is designed to give participants a competitive edge by: Broadening their knowledge on space-related issues and activities and encouraging participants to use acquired knowledge and skills through practical, hands-on experience;

MASTA is an elaborately designed and intensive Master program

for students who are interested in exploring the mysterious universe.

This application-oriented program focuses on both knowledge acquisition and operational training. It aims to deliver "International,

Interdisciplinary, Intercultural, Innovative, Identical (5I)" education and provide a powerful platform for scholars and professionals to

Providing a variety practice opportunities (include watching satellite launching 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 the cross-cultural communication skills with an
- internationalized atmosphere.

Phase I **Course Study in China: 9 months (at Beihang University)** (Leading to Course completion Certificate) Module II **Module III** Module I

The main educational fields of MASTA Program include Remote Sensing and Geographic Information Systems (RS&GIS), Satellite Communications, Global Navigation Satellite System (GNSS), Micro-satellite Technology, Space Law and Policy,

This program is carried out according to the regulations and requirements of Beihang University. Referring to the

Major courses Formulation of an Pilot Project or Practical **Common Platform Courses Academic Lectures** Individual Training Plan Courses **Professional Visits** Phase II

> Thesis Research: 12 months (in China or home country) (Leading to Master's Degree in Engineering)

Literature Survey and Mid-term Assessment Academic Activities Thesis Research Thesis Proposal Lectures are conducted in English. The thesis for project practice is required to be written in English. Courses are organized into three modules as given above. Participants will be awarded with the Graduation Certificate of Beihang University and Master's Degree Certificate of the People's Republic of China when fulfilling the required credits and passing the thesis defense. The faculty for this program consist of professors, experts and senior engineers from Beihang University and some other institutes or academies of China and abroad. The core faculty members have long and varied experience in the field of space science and technology. In addition, they have accumulated considerable teaching experience over the years and are skilled in teaching and advising international students.

International Education at Beihang University

1990s and has continued to develop at a very fast pace. By the end of 2019, over 2,300 international students from more than 120 countries are studying at Beihang, among which over 1,300 are pursuing

students, and credit transfer programs for one year or half a year in cooperation with famous universities in France, Sweden, Ireland and many other countries all over the world. Beihang is qualified to admit all categories of international students, including those sponsored by the Chinese Government Scholarship. The Beihang Scholarship for international students was established in 2007 to encourage and support the coming of excellent international students to Beihang, and since then hundreds of exceptional international students have been awarded the scholarship. Scholarships for international students mainly include Chinese Government Scholarship (CGS), Beijing Government Scholarship, Beihang International Student Scholarship, Confucius Institute Scholarship, scholarships from enterprises, etc. In a new era of international education, Beihang continues to strive to provide higher quality education and excellent service for international students, and sincerely welcomes students from all over the world to study here. Study at Beihang, light the dream. For more details, please visit our website: http://is.buaa.edu.cn

Beihang endeavors to build a world-renowned international education platform. In 2014, the Regional Centre for Space Science and Technology Education in Asia

Beihang has established the Confucius Institute in cooperation with Kogakuin University (Japan) and set up HSK and HSKK authorized testing centers, providing

Beihang is devoted to the innovation of international talent training mode, which can be exemplified by the integrated education of Chinese students and international

and the Pacific (China) (affiliated to the United Nations) was established at Beihang University with the support of the Chinese Government.

various international education programs for students of different levels in Chinese language training, Chinese cultural studies and so on.

Introduction to RCSSTEAP (China)





and Geographic Information Systems (RS&GIS), Satellite Communications,

Global Navigation Satellite System (GNSS), Micro-satellite Technology, Space

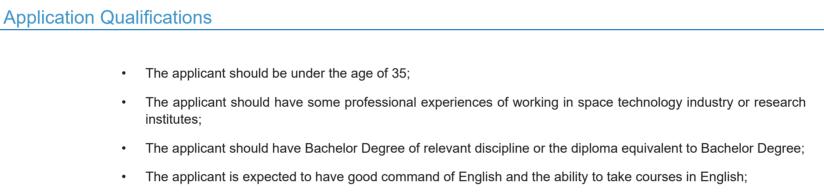
The Centre has established extensive cooperation with space industries. A variety of internships and hands-on opportunities are provided to the participants.

Law and Policy, Space Science and Environment, etc.

excellent facilities for education, accommodation and recreation.

Presently, the Centre has ten (10) Member States including Algeria, Argentina,

Bangladesh, Bolivia, Brazil, China, Indonesia, Pakistan, Peru and Venezuela.



Note: Please notice as a special requirement that selected applicants should come to study at Beihang

Applicants of this program are mostly recommended by organizations. Students who are interested to do self-

The applicant is supposed to have research background in relevant areas.

sponsor, please visit website (http://admission.buaa.edu.cn/) for further information.

University with their Private Passports only (not official/service/other types of passport).



Tuition Fee: 35000 Yuan (RMB) per year;

Insurance: 800 Yuan (RMB) per year;

costs like water, electricity, etc.).

Fees

Accommodation: Double room, 750 Yuan (RMB) per month (not including

**Application Procedures and Required Documents** 

3. Notarized Transcripts or original ones;

Ms. Guo Yuanyuan

4. Study or Research Plan (no less than 500 words);

Attachment 2-List of Application Documents.doc

8. Photocopy of First Page of Passport (the information page); 9. The List of Application Documents and Post Address confirmed.

Apply online

- Beihang University is 10006. **Prepare documents** 1. Application Form for Chinese Government Scholarship; 2. Highest Education Diploma (notarized photocopy or original one) or Certificate of Expected Graduation Date from the university studying
  - 5. Two Recommendation Letters from Professors or Academic Experts; 6. The Results of TOEFL, IELTS or English Proficiency Certificates; 7. Photocopy of Physical Examination Form and the Report on Blood Examination; Attachment 1-FOREIGNER PHYSICAL EXAMINATION FORM.pdf

Scholarship and Financial Support

Scholarship (CSC Scholarship) at Beihang University.

Tuition fee for 2 years;

like water and electricity, etc.);

according to the standard of CSC);

according to the standard of CSC.

Scholarship will only cover tuition fee.

Make the online application for Chinese Government Scholarship on the website of CSC (http://studyinchina.csc.edu.cn): fill up the Application Form, submit the completed Application Form and supporting documents online and print the Application Form according to the requirements. Please note that the specialty should be chosen as "Space Technology Applications" and the language of instructions should be chosen as "English". Please also note that the "Program Category" should be "Type B" and the "Agency Number" of

The Full CSC scholarship will cover the following items:

1. The applicants are welcomed to apply for the Chinese Government

Free accommodation during study at the University (not including costs

Living allowance during stay at the University (3000 RMB per month or

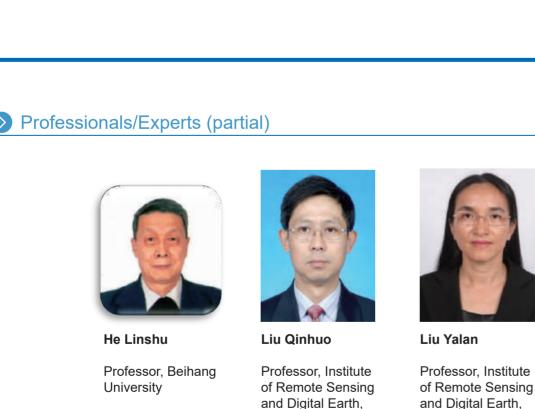
Medical Insurance only for accidents and hospitalization treatments,

2. The applicants who fail to get the CSC Scholarship will have chance to get Beijing Municipal/Beihang Scholarship. Beijing Municipal/Beihang

**Submit documents** Mail all required documents to the following address before March 8, 2020. Address: International School of Beihang University, No. 37 Xueyuan Road, Haidian District, Beijing 100191, P.R. China. Tel: +86-10-82339734, +86-13581523872

that we can get your information in advance. And mail all the required documents to the Contact Person at RCSSTEAP(China) by

- In 2020, MASTA Program provides four educational fields: Satellite Communications and Global



Chinese Academy

Beijing Aerospace TITAN

Technology Co., Ltd.

UN-SPIDER Beijing Office

Item

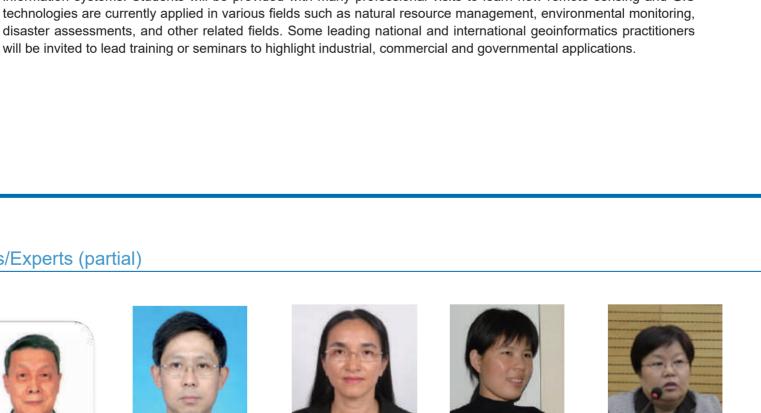
Space Environment, Orbit and Spacecraft Systems

Introduction to Space Technology Applications

International Cooperation in the Peaceful Uses of

of Sciences

and global levels.



Chinese Academy of

Sciences

Twenty First Century

Aerospace Technology

Co., Ltd.

**Module I Platform Courses** 

Associate

University

Meteorological Center

**Class Hrs** 

48

48

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32

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Professor, Beihang

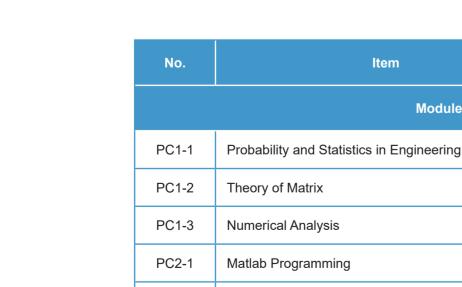
Regional Centre for Space Science and Technology Education in Asia and the Pacific (China) (Affiliated to the United Nations)

联合国附属空间科技教育亚太区域中心(中国)

## China 3 中科 電感 ChinaRS Geoinformatics

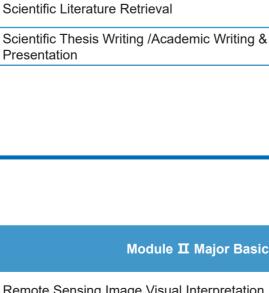
The partners of this program include:

**Partners** 

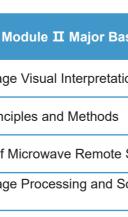


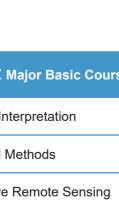
9-month Course List

















Ms. Guo Yuanyuan, Program Director, RCSSTEAP(China) Address: East Wing of Library, No. 37, Xueyuan Road, Haidian District, Beijing, China, 100191, International School, Beihang University

Website of International School, Beihang University: http://is.buaa.edu.cn

Website of China Scholarship Council: http://studyinchina.csc.edu.cn

Website of RCSSTEAP: http://www.rcssteap.org

Website of Beihang University: http://ev.buaa.edu.cn/

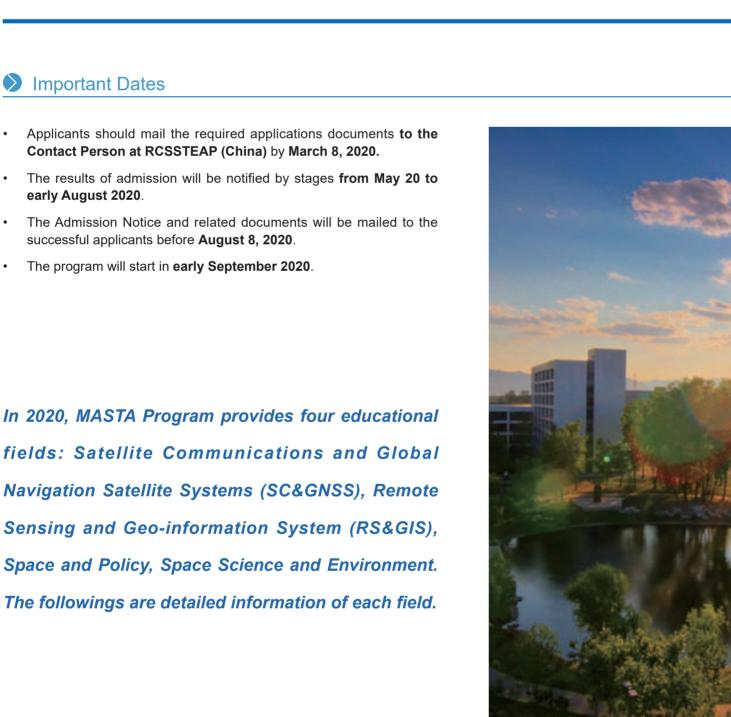
**Contact** 

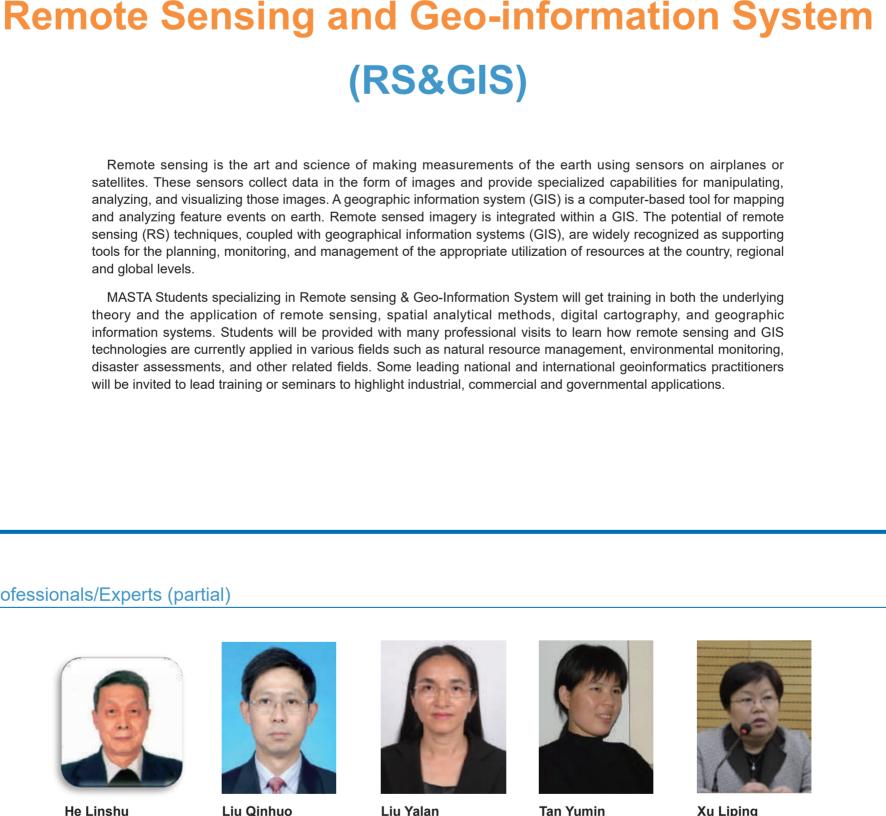
Telephone: +86-10-82339734

E-mail: gyy@buaa.edu.cn

Information

Temple of Heaven





**Xu Liping** 

Co.,Ltd.

Institute of Remote

Sensing and Digital Earth

Remark

Select one of them.

Compulsory

Compulsory

Compulsory

Compulsory

Compulsory/ Optional

Compulsory

Compulsory

Compulsory

Compulsory/ Optional

Compulsory

**Application Service** 

**Credits** 

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General Manger,

View Technology

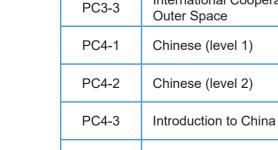
Observatories Chinese

Academy of Sciences

Service Center

ote Sensing Center of China

**Beijing Space** 



PC3-1

PC3-2

Module II Major Basic Courses & Major Courses				
MC1-1	Remote Sensing Image Visual Interpretation	16	1	Compulsory
MC1-2	Remote Sensing Principles and Methods	32	2	Compulsory
MC1-3	Physical Principles of Microwave Remote Sensing	32	2	Compulsory
MC1-4	Remote Sensing Image Processing and Software Application	48	3	Compulsory
MC1-5	Geographic Information System: Design and Practice	16	1	Compulsory
MC1-6	Natural Disaster Remote Sensing	16	1	Compulsory
MC1-7	Case Studies in the Applications of RS & GIS	16	1	Compulsory
Module Ⅲ Team Pilot Projects				
PPC	Team Pilot Project	2 months	6	Compulsory

