



Regional Centre for Space Science and Technology Education in Asia and the Pacific (China)
联合国附属空间科学与技术教育亚太区域中心 (中国)

DOCSTA 2016

Doctoral Degree Program on Space Technology Applications

Introduction

Space technology and its applications have been made a great advance in recent years, which is considered the one of the most fascinating technical achievements of the human race of the last four decades of the 20th century. The many practical benefits from space technology play a central role for international development efforts.

In order to translate the recommendations of the United Nations Programme on Space Applications (UN-PSA) into an operational program, Beihang University has initiated the Doctoral program on Space Technology Applications (DOCSTA) especially for applicants from Asia-Pacific region since 2013.

The program is focusing on training the participants to have the solid theoretical knowledge and systematic expertise in the space technology applications. Participants are expected to have the ability of conducting the scientific research, exploring the applications or pursuing the professional careers in the related fields independently.

Participants are expected to have a good grasp and understanding of new technology and development in space science technology and applications. Participants are expected to finish the dissertation which is having the high practicability and application prospect.

The faculty and academic staff for this program consist of professors, experts and senior engineers invited from Beihang University and some institutes or Academies. The core faculty and these experts have long and varied experience in the field of space science and technology. In addition, they have acquired considerable experience over the years and are skilled in teaching and advising international students.

Note: The training plan of DOCSTA program will be same with our other international Ph.D students, in generally, to have less classroom training compare to Master students. The major tasks for DOCSTA participants are to do researches guided by supervisors. There is no separate and special training plan for DOCSTA program. **Duration of study will be 3 years in general.**

Introduction to RCSSTEAP (China)

The Regional Centre for Space Science and Technology Education in Asia and the Pacific (China) (affiliated to the United Nations) (RCSSTEAP in short) was established On November 17, 2014 in China. The Campus of the Centre is located at the main campus of Beihang University in Beijing.

The Centre is established as an education and training entity supported by the Committee on the Peaceful Uses of Outer Space (COPUOS). It is established to contribute to the implementation of “Space Applications Program” promoted by COPUOS, and to the enhancement of the education and training level and application capacity of space science and technology in Member States of the Center through capacity building, information communication and education and training.

For the purpose of facilitating the UN Space Application Programme and meeting the demands of the Asia-Pacific countries regarding space science and technology education, the Centre offers degree and non-degree programs and provides academic training and technology consulting in the field of space technology applications.

The main education and training fields of the Centre include remote sensing and geographic information systems, satellite communications, global navigation satellite system, micro-satellite technology, space law and policy, etc.

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

The Centre has an international and highly efficient academic and administrative staff team. Excellent facilities for living, education and training and logistics service can be provided.

Up to now, the Centre has 10 member countries including Argentina, Algeria, Bangladesh, Bolivia, Brazil, China, Indonesia, Pakistan, Peru, and Venezuela.

Application Qualifications

- ✧ The applicant is expected to study hard, observe the Chinese laws and the regulations of Beihang University.
- ✧ The applicant should be under the age of 40 in general.
- ✧ Should have some professional experiences of working in space technology industry or research institutes.
- ✧ The applicant should have a master's degree or have the equivalent educational background of a master's degree.
- ✧ The applicant should have a research background in relevant areas;
- ✧ The applicant should have good command of English and the ability to take courses in English;

Note: Please notice as a special requirement that selected applicants should come to study at BUAA with their Private Passports only (not official/service/other types of passport).

Scholarships and Financial Support

1. The CSC scholarship will cover the following items:

- ✧ Tuition fee for study period (in general 3 years) at the University;
- ✧ Free accommodation during study at the University (not including water and electricity, etc. costs.);
- ✧ Living allowance during stay at the University (3500 RMB/per month or according to standard by CSC);
- ✧ Insurance fee only for accidents and hospitalization treatments, according to the standards of CSC.
- ✧ The international round-trip air ticket costs are not covered.

2. Beijing Municipal/Beihang Scholarship will only cover tuition fee.

Application Procedures and Required Documents

Applicants should log onto the website <http://laihua.csc.edu.cn> and make **Registration** at first by giving his/her **User name, Password, Email etc.** Then User name and Password will be sent to them via **e-mail addresses provided**, and after getting it, applicants should fill out the **ONLINE** Application Form of China Scholarship Council (CSC). And from the system, please get a serial number online and print it out according to requirements, and submit it along with other required materials mentioned below from item No. 1-5. When you fill out the form, please notice that a specialty should be chosen as **"Space Technology Applications"**, and a language of instructions should be chosen as **"English"**. Please also notice that the "Agency No." of Beihang University is **10006**.

1. A Health Certificate, which bears seal/stamp of clinic or hospital, should be completed by a medical doctor after proper physical examinations. The Health Certificate is available at <http://is.buaa.edu.cn/Uploads/Editor/2015-12-23/567a1eb6bd84e.pdf>.
2. Duplicated copies of a notarized diploma or certificate and notarized school-certificate transcripts of complete academic records.
3. Two letters of recommendation from teachers or experts at or above the level of associate professors in sealed envelopes.
4. 500-word essay about the participant's motivation for applying to DOCSTA
5. Checklist for the submitted application documents which includes: i. Duly filled and signed Chinese Government Scholarship (CSC) Application Form, ii. Properly endorsed Health Certificate, iii. Notarized Degree/Diploma certificate, transcripts of completed academic records, iv. Two Letters of Recommendation (in sealed envelope); v. 500-words Essay etc.

Note: *All the above mentioned materials should be provided **in English** or **with a translation in English**. In order to speed up your application process, scanned copies can be emailed to the **Contact Person**:*

*gyy@buaa.edu.cn, so that we can get your information in advance. And **mail all the required documents to the Contact Person at RCSSTEAP (China) by the already set deadline (March 15, 2016).** RCSSTEAP (China) and BUAA will acknowledge the receipt of your application after evaluation. No application documents will be returned after submission.*

Important Dates

- ✧ Applicants should mail the required applications documents **to the Contact Person at RCSSTEAP (China) by March 15, 2016.**
- ✧ The results of admission will be notified by **May 10, 2016.**
- ✧ The Admission Notice and related documents will be mailed to the successful applicants around **July 10, 2016.**
- ✧ The program will begin at the middle of **September 2016.**

Host Institution: Beihang University

Beihang University (BUAA), formerly known as Beijing University of Aeronautics and Astronautics, was founded in 1952 and is China's first university of aerospace technology. Since the 1950s, BUAA has excelled as one of the 16 key state universities in China. Through more than 50 years of development, BUAA has grown into a science and technology university with aerospace features, combining disciplines in science, engineering, liberal arts, law, economics, management and education. There are currently 28,000 students enrolled in BUAA, including over 12,000 postgraduate students. Doctoral programs are available in 49 fields, master programs in 144 fields and bachelor programs in 48 subjects.

The campus of BUAA is adjacent to the Zhongguancun High-Tech Park of Beijing and is known for its beautiful environment, convenient transportation and various facilities, some of which include an international student dormitory, gymnasiums, swimming pools and other sports facilities. The campus also has a bank, a post office, dining halls, and many other convenient services for the academic and daily lives of international students.

Contact Information

- ✧ Ms. Guo yuanyuan, Program director, RCSSTEAP(China)
- ✧ Mailing Address: East Wing of Library, No 37, Xueyuan Road, Haidian District, Beijing, China 100191, International School, Beihang University
- ✧ Phone: 86-10-82339734
- ✧ Fax: 86-10-82339734
- ✧ E-mail: gyy@buaa.edu.cn
- ✧ Website: <http://RCSSTEAP.buaa.edu.cn>