

# DOCSTA 2019

## Doctoral Degree Program on Space Technology Applications

### Overview



Space technology and its applications, the most fascinating technical achievement 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.

Doctor of Philosophy (PhD) Program on Space Technology and its Applications (DOCSTA) is regular program of APSCO since 2013. This Program is an elaborately designed and intensive PhD Program for students who are interested in exploring the mysterious universe. The program is focusing on training the participants in solid theoretical knowledge and systematic expertise in the field of space technology applications. It aims 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. This program is jointly sponsored and organized by APSCO, China Scholarship Council (CSC) and Beihang University. All Member States actively participated in these programs. This program has enrolled totally 60 doctoral students from 13 countries, among which 7 students have graduated and obtained the Doctoral Degree on 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. 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

The faculty and academic staff for this program consist of professors, experts and senior engineers from Beihang University and some institutes or academies. The core faculty members and experts have extensive 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.

Participants will be awarded with the Graduation Certificate of Beihang University and Doctoral Degree Certificate of the People's Republic of China when fulfilling the required credits and passing the thesis defense.

**Note:** In general, the training program of DOCSTA is the same with other International doctoral programs of Beihang University. The major tasks for DOCSTA candidates are to conduct researches under the guidance of their supervisors. All courses and academic activities for MASTA candidates like technical visits, lectures are also open to DOCSTA candidates. **The duration of study for DOCSTA is 3 to 4 years.**

## Introduction to Beihang University

Beihang University, founded on October 25, 1952, is the first university in China focusing on aeronautical and astronautical education and research. About 26km away from the main campus, the suburban Shahe campus provides quiet study milieu and is also home to the National Laboratory of Aeronautics and Astronautics(NLAA).



Since its founding, Beihang has excelled as one of the first 16 key universities in China, given priority for development. In 2017, Beihang was chosen to participate in the Double First-Class plan, which includes major support from the Chinese Ministry of Education and other government departments to build a world-class university with world-class disciplines. Over the past 65 years, Beihang has fostered more than 180,000 professionals in various sectors for the world. The main designers and chief engineers of China's first manned space flight, Shengzhou-5 Spacecraft, are

Beihang alumni. The university and its alumni have contributed the most to the country's aeronautical, astronautical and other relative industries, etc.

Beihang has now a total enrollment of over 30,000 full-time students, including about 1,300 international students. Beihang is deeply committed to an education that fosters innovation and intercultural awareness. It is a campus tradition that Beihang students participate in innovation contests and figure out the most creative solutions in teams every year. It is also a booming trend for many students to spend weeks, months or even years studying abroad at our partner universities.

Beihang has evolved into an open, comprehensive, research-oriented university with focuses on aeronautics, astronautics and informatics. Looking to the future, Beihang aspires to become a world-class research university rooted in China with distinctive advantages in science and technology

## **Application Qualifications**

- ✧ The applicant should be under the age of 40;
- ✧ The applicant should have some professional experiences of working in space technology industry or research institutes;
- ✧ The applicant should have Master's Degree of relevant discipline or have the equivalent educational background of a Master's degree;
- ✧ The applicant is supposed to have research background in relevant areas;
- ✧ The applicant is expected to 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 Beihang University with their Private Passports only (not official/service/other types of passport).

*Applicants of this program are mostly recommended by organizations. Students who are interested to do self-sponsor, please visit website (<http://admission.buaa.edu.cn/>) for further information.*

## **Fees**

- ✧ Tuition Fee: 42000 Yuan (RMB) per year;
- ✧ Insurance: 800 Yuan (RMB) per year;
- ✧ Accommodation: Double room, 750 Yuan (RMB) per month (not including costs like water, electricity, etc.).

Note: This program is mainly for directional enrollment. Students who are interested to do self-sponsor, please visit website (<http://admission.buaa.edu.cn/>) for further information.

## Scholarship and Financial Support

1. The applicants are welcome to apply for the Chinese Government Scholarship (CSC Scholarship) at Beihang University.

### The Full CSC scholarship will cover the following items:

- ✧ Tuition fee for study period (3-4 years) at the University;
  - ✧ Free accommodation during study at the University (not including costs like water and electricity, etc.);
  - ✧ Living allowance during stay at the University (3500 RMB /per month or according to standard by CSC);
  - ✧ Medical Insurance only for accidents and hospitalization treatments, according to the standard of CSC;
2. The applicants who fail to get the CSC Scholarship will have chance to get Beijing Municipal/Beihang Scholarship. **Beijing Municipal/Beihang Scholarship will only cover tuition fee.**

## Application Procedures and Required Documents

### Step 1: Apply online

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 Beihang University is 10006.

### Step 2: 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 currently;
3. Notarized Transcripts or original ones;
4. Study or Research Plan (no less than 500 words);
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](#)

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

[Attachment 2-List of Application Documents.doc](#)

Note: *All the documents should be in duplicate. And the language of documents should be in English or Chinese or attached with translations in English or Chinese.*

### Step 3: Submit documents

Mail all required documents to the following address before February 25, 2019.

**Ms. Jessica Zhuang**

**Address: ASIA-PACIFIC SPACE COOPERATION ORGNIZATION (APSCO) Building  
13&14, Section 3, No.188, South Street Fourth Ring, Fengtai District, Beijing,  
China, Post Code: 100070**

**Tel: +86-(0)10-6370 2677 Ex. 405 Fax: +86-(0)10-6370 2286**

Note: *In order to speed up your application process, scanned copies can be emailed to the Contact Person: Jessica@apsco.int so that we can get your information in advance. And **mail all the required documents to the Contact Person at APSCO** by the already set deadline (**February 25, 2019**). APSCO and Beihang University will acknowledge the receipt of your application after evaluation. No application documents will be returned after submission.*

## Contact Information

- ✧ Ms. Jessica Zhuang
- ✧ **Address:** ASIA-PACIFIC SPACE COOPERATION ORGNIZATION (APSCO)
- ✧ Building 13&14, Section 3, No.188, South Street Fourth Ring, Fengtai District, Beijing, China,  
Post Code: 100070
- ✧ **Telephone:** +86-(0)10-6370 2677 Ex. 405
- ✧ **E-mail:** Jessica@apsco.int
- ✧ **Website of APSCO:** <http://www.apsco.int>
- ✧ **Website of International School, Beihang University:** <http://is.buaa.edu.cn>
- ✧ **Website of Beihang University:** <http://ev.buaa.edu.cn/>
- ✧ **Website of China Scholarship Council:** <http://studyinchina.csc.edu.cn>