

DOCSTA 2018

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. In total 38 DOCSTA students have been involved in this program until 2017.

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 (BUAA) was founded in 1952 with the merger of the aeronautical departments from eight top Chinese universities. Today it is one of the nation's foremost research universities supported by China's Project 211, Project 985 and Project 2011.



Beihang has an enrollment of more than 29,951 students, attending 28 schools in two campuses in Beijing and many going on exchange in partner universities across Europe, Asia, the Americas and Oceania. Among the first Chinese universities to offer postgraduate programs in English for international students, Beihang annually attracts over 1,700 foreign students from 90 countries.

The faculty totals over 2,300 members whose research and teaching encompasses sciences, engineering, economics, management, humanities, law, philosophy, education, medicine and art. A strong body of 20 accomplished professors has been inducted as members of the Chinese Academy of Sciences and the Chinese Academy of Engineering.

Beihang offers 189 academic programs, including 61 undergraduate programs and 128 postgraduate programs. The University has been reputed for its competitive edge in such disciplines as aeronautics and astronautics, instrument science and technology, computer science and technology, management science and engineering, etc.

As a powerhouse of research and innovation, Beihang has earned 1,264 awards for achievements at national or ministerial level, including three First Prizes of National Science & Technology Progress Awards and six First Prizes of National Technological Innovation Awards. Beihang also has strong links with the industrial sector, which contributes to more than 50 percent of the University's research projects.

The center of Beihang is its Xueyuan Road campus in the heart of "China's Silicon Valley" – Zhongguancun Science Park. The Park is one of the technology centres in the world and is growing fast into a high and new-tech industrial cluster. In addition to its Xueyuan Road Campus, the University is also located in northwest Beijing's Changping District with a newly developed campus and has comprehensive research facilities, notably the National Laboratory of Aeronautics and Astronautics (NLAA).

Beihang has also grown to be a university of global outreach, with a recently inaugurated Europe Office in Brussels and visibility in several global consortia, including Top Industrial Managers for Europe (T.I.M.E). The University maintains partnerships with 185 universities, research institutions and companies in over 30 countries. The cooperation covers faculty and student exchanges, joint workshops and publications, joint research endeavors and international educational projects. The Sino-French Engineer School (or, Ecole Centrale de Pekin), established by Beihang and the Groupe des Ecoles Centrales in 2005, has won international recognition for its excellence in international engineering education. Beihang is the host institution of the U.N. Regional Centre for Space Science and Technology Education in Asia and the Pacific (China) established in November 2014.

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 15th March, 2018.

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 (**March 15, 2018**). APSCO and Beihang University 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 APSCO** by **March 1, 2018**.
- ✧ The results of admission will be notified by stages **from May 20 to early August 2018**.
- ✧ The Admission Notice and related documents will be mailed to the successful

applicants before **August 15, 2018.**

- ✧ The program will start in **early September 2018.**

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>