



CSC Scholarship Proposal for International Students

From the Embassy of xxx

2020-2021

Beijing Institute of Technology (BIT) is offering **3** CSC (China Scholarship Council) scholarship to students from the leading universities in xxx to pursue Master or PhD degree program at BIT. BIT entrusts the Embassy in China to operate the scholarship

➤ **Overview of the CSC scholarship**

The CSC scholarship covers **the tuition fee, the accommodation, the comprehensive medical insurance and the monthly living allowance (CNY 3,000 for masters and CNY 3,500 for PhDs)**. The international air fare is not covered.

The scholarship will be offered to the students during their stay at Beijing Institute of Technology for the period of **the Master programs (2 years) and PhD programs (4 years)**.

➤ **English-taught master programs**

Beijing Institute of Technology has now formed a disciplinary structure with a traditional focus on science and technology but also developing into other areas such as management and humanities.

English-taught Master programs are listed as follows:

- ※ **Aeronautics & Space Science and Technology**
- ※ **Mechanical Engineering**
- ※ **Computer Science and Technology**
- ※ **Control Science and Engineering**
- ※ **Electronics Science and Technology**
- ※ **Information and Communication Engineering**
- ※ **Chemical Engineering and Technology**
- ※ **Chemistry**
- ※ **Law**

All PhD program can be conducted in English (Program detail please refer to Admission Book 2020).

➤ **Language requirements**

With regards to **the English-taught programs** at BIT, if English is not the native language and the students are attending a school where English is not the language of instruction, the students are

required to take the Test of English as a Foreign Language (TOEFL, **minimum score: 80**) or the International English Language Testing System Academic (IELTS Academic, **minimum score: 5.5**).

In terms of **the Chinese-taught programs**, the applicants are required to pass the HSK 5 exam, and the certificate of which is one of the essential application materials.

Master Programs in English

Aeronautics & Space Science and Technology

Advanced Computational Fluid Dynamic; Continuum Mechanics; Principles of Composite Material Mechanics; Structural Dynamics, Fundamentals of Aerospace Propulsion; Orbital Mechanics Guidance and control theory for flight vehicle, Automated Rendezvous and Docking of Spacecraft; Reactive Flow in Jet Propulsion

Chemistry

Inorganic Synthesis and Preparative Chemistry; Advanced Experiment of Organic Chemistry; Materials Science; Advanced Topics in Organic Chemistry; X-Ray Crystallography; Coordination Chemistry; Spectrometric Identification of Organic Compounds; Nano-science and technology

Law

Public International Law; International Economic Law; Private International Law; WTO Law; International Intellectual Property Protection; Chinese Trademark Law and Unfair Competition; Chinese Patent Law; Chinese Copyright Law

Chemical Engineering and Technology

Advanced Organic Chemistry; Metal-organic Chemistry; Advanced Experiment of Organic Chemistry; Modern Electrochemistry; Principles of Catalysis Spectrometric Identification of Organic Compounds; Advanced Topics in Organic Chemistry; Advanced Chemical Technology

Computer Science and Technology

Advanced Operating Systems; Computer Vision; Content Management and Technology of Digital Library; Wireless Networks and Mobile Computing; Web Mining Web; Network Information security; Machine Learning and Knowledge Discovery; Algorithms and Complexity; Theory of Computation

Control Science and Engineering

Linear Algebra with Applications in Automatic Control; Linear Systems Theory; Optimum and Robust Control; Stochastic Process Theory and Applications; System Identification and Adaptive Control; Modern Sensor and Detection Technology; Systems engineering principle and applications;

Mechanical Engineering

Fundamentals of Modern Control Theory; Modern Measurement Technology; Elastic-Plastic Mechanics; Mechanical Vibration; Advanced Engineering Thermodynamics and Heat Transfer; Principle of Finite Element Method; Principles of CAD/CAM/CAE; Structural Design with Optimization Method

MBA

International business; International finance; International business law; Operating management; Business ethics; Management information system; Marketing management; Accounting

Information and Communication Engineering

Statistical Signal Processing; Information Theory; Advanced Digital Communications; Fundamentals of Communication Networks; Signal detection and estimation theory; Microwave and Millimeter wave integrated circuits Design and Technology; Introduction to Radar Systems; Mobile Communications

Electronics Science and Technology

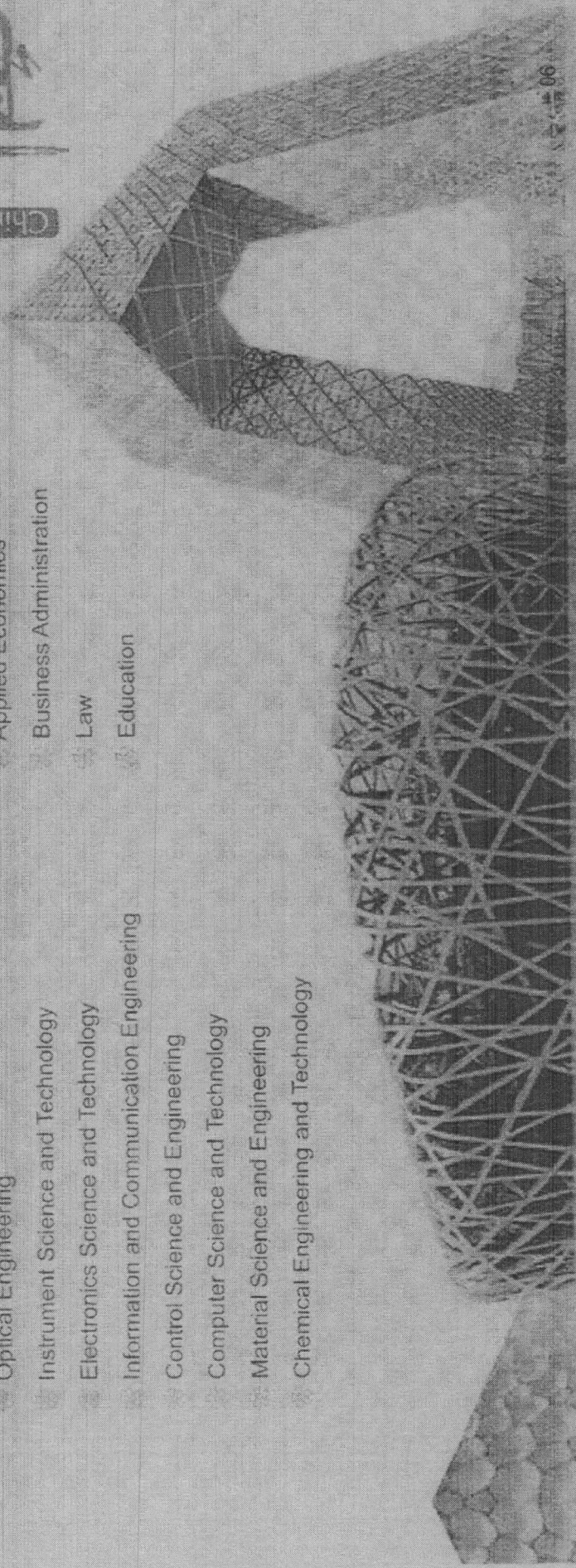
Statistical Signal Processing; Information Theory; Advanced Digital Communications; Fundamentals of Communication Networks; Signal detection and estimation theory; Microwave and Millimeter wave integrated circuits Design and Technology; Introduction to Radar Systems; Mobile Communications

Ph.D. Programs in Chinese & English

- Aeronautics & Space Science and Technology
- Mechanics
- Armament Science and Technology
- Safety Science and Engineering
- Mechanical Engineering
- Power Engineering and Engineering Thermophysics
- Optical Engineering
- Instrument Science and Technology
- Electronics Science and Technology
- Information and Communication Engineering
- Control Science and Engineering
- Computer Science and Technology
- Material Science and Engineering
- Chemical Engineering and Technology
- Chemistry
- Biomedical Engineering
- Mathematics
- Statistics
- Physics
- Management Science and Engineering
- Applied Economics
- Business Administration
- Law
- Education



China



2006