



北京理工大学
BEIJING INSTITUTE OF TECHNOLOGY

2024

BIT International Summer Programs for STEM



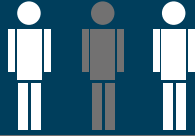
Top Science and Engineering University in China

340th

QS World University Ranking (2024)



1st



Average Research Funding in China
(2016-2022)

7th



QS World Ranking in Employer-Student Connections 2022

9th



QS Ranking in Graduates Employability 2022 (mainland China)

2800+

International Students from

149 Countries

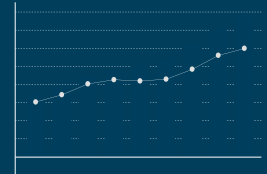
16

National Key Laboratories



33,800+

Students



About BIT

Founded in 1940, Beijing Institute of Technology (BIT) stands as one of China's national key universities, consistently recognized and included in the prestigious "211 Project", "985 Project", and "Double First-Class" initiatives for universities. BIT enjoys a prominent position in both domestic and global educational spheres, boasting widespread influence reflected in its accolades including a rank of 340 in the 2024 QS World University Rankings, a placement within the 101-150 range in the 2023 Academic Ranking of World Universities (ARWU), and a commendable 9th place in mainland China according to the QS Global Graduate Employability Rankings 2022.

While science and engineering constitute its primary focus, BIT maintains a harmonious development across other fields including management and humanities, with many of its disciplines consistently ranking within the top 10 in China. In recent years, BIT has elevated its international stature through the steadfast execution of an internationalization strategy, fostering a "big community" for the cultivation of global talents and continually enhancing the quality of its educational offerings. This forward-thinking approach extends to creating a cosmopolitan learning and living environment on campus, a testament to its evolving international presence and influence. Today, BIT takes pride in nurturing a vibrant and diverse student body that surpasses 2,800 international students from 149 countries around the world.

Find your interest at BIT

In recent years, Beijing Institute of Technology successfully held on-campus and online programs in winter and summer seasons, attracting more than 500 students annually. For the summer of 2024, BIT is set to offer an array of on-campus and online summer programs tailored to your interests in the field of engineering and Chinese language and culture.

● Hands-on Learning for Emerging Technologies in Electronics Engineering

Specifically designed for students with an engineering background. BIT provides lectures and laboratory works in cutting-edge areas such as the Artificial Intelligence of Things, Wireless Communications & Microwave, Smart Vehicles, along with Chinese language and culture practices.

● Future Decarbonizing Technology and Green Energy

Specifically designed for students with an engineering background. BIT provides lectures and laboratory works in the domains of Green Energy storage and Decarbonizing Technology Application for example, the hydrogen energy, biomass energy, electrochemical energy, thermal energy etc., along with Chinese language and culture practices.

● Emerging Technologies in Materials for Renewable Energy

The primary purpose of this summer school is to provide students with a comprehensive exploration of materials science and engineering in the field of renewable and sustainable energy. Participants will develop a well-rounded grasp of fundamental concepts and practical applications of the current electrochemistry, advanced batteries, hydrogen energy devices, fuel cells, electrolyzers, and photovoltaic devices by actively engaging in lectures and laboratory sessions.

Note: 1. All the programs will be conducted in English.

2. The student number for each program is less than 10, the program will be cancelled.

Program Schedules:

1.Hands-on Learning for Emerging Technologies in Electronics Engineering

Duration: June 30 – July 27, 2024

Credits: 4 credits

Topics: Internet of Things (IoT) and AI

Integration, Digital Design and

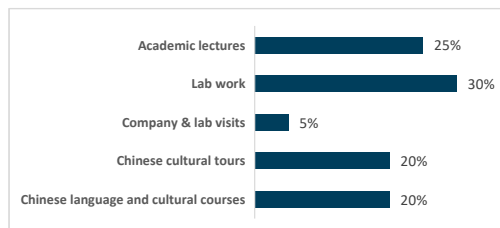
Software-Defined Radio (SDR),

Project-Based Learning in the field of

Emerging Technologies, Chinese Language

and Culture, Culture Tours

Course Distribution:



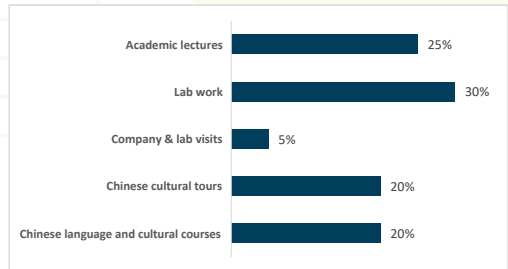
2. Future Decarbonizing Technology and Green Energy

Duration: June 30 – July 27, 2024

Credits: 4 credits

Topics: Green Energy storage and Decarbonizing Technology Application of the hydrogen energy, biomass energy, electrochemical energy, thermal energy, Chinese Language and Culture, Culture Tours

Course Distribution:



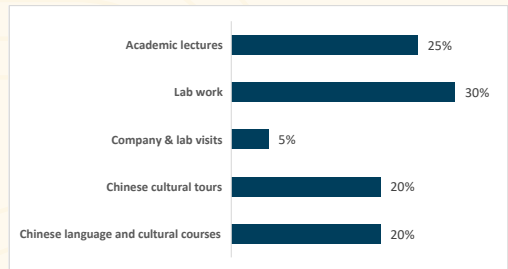
3. Emerging Technologies in Materials for Renewable Energy

Duration: June 30 – July 27, 2024

Credits: 4 credits

Topics: Electrochemistry Fundamental and Advanced Batteries; The Current Technology of Batteries and Fuel Cells; The Hydrogen Energy Devices and Photovoltaic Devices; Chinese Language and Culture, Culture Tours

Course Distribution:



Application Information

1. Program fee:

- ◆ CNY 8000 for 4 weeks ≈ USD 1100

Tips: The fee includes tuition, on-campus accommodation, teaching materials, insurance and culture tours. Costs for lab works and company visits will be calculated and charged separately.

2. BIT Scholarship (with limited capacity) covers tuition, on-campus accommodation, teaching materials, insurance, culture tours and lab work.

3. Application Period: 1 March – 15 May, 2024

4. Qualification

- ◆ Non-Chinese citizen
- ◆ English proficiency: IELTS ≥ 6.0 or TOEFL ≥ 85 or equivalent (waived for native English speakers)

Program 1 Hands-on Learning for Emerging Technologies in Electronics Engineering: prefer students with engineering related background

Program 2 Future Decarbonizing Technology and Green Energy: prefer students with engineering related background

Program 3 Emerging Technologies in Materials for Renewable Energy: prefer students with chemistry related background

5. Application Procedure:

Register at apply.isc.bit.edu.cn → Create your account and log in → Choose 'Short-term Programs' → Choose 'Short-term Programs'

6. Nomination

Nomination from partner universities is necessary.

Required Documents:

1. ID photo with a white background
2. Photocopy of the passport's front page
3. The valid report of an English language proficiency test (waived for native English speakers)

Visa

Students admitted to the on-campus programs must apply for a X2 visa (using electronic DQ form) at the Chinese embassy or consulate, using the admission letter provided by BIT.





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