

## Research institute and enterprise visits

BGI has an internationally leading research and development laboratory focused on graphene materials, devices, and applications.



BOE is a leading innovative enterprise in the Internet of Things(IoT), offering smart port products and professional services for information exchange and human health. It has formed a "1+4+N+ecological chain" business architecture with semiconductor display as the core, integrating IoT innovation, sensors and solutions, MLED, and smart medical industry.

## Polish a diamond with your own hands



For students majoring in materials science, metalworking internships are not only a practical technical foundation course, but also an important way to cultivate students' practical ability, engineering qualities, and innovative spirit. Through a day of learning, students will gain experience in modeling and 3D printing, and even had the opportunity to personally polishing diamonds. Through metalworking internships, students have enhanced their intuitive understanding of production engineering, fostered correct concepts of engineering and labor, and gradually acquired the essential qualities and skills that engineering and technical personnel should possess.

## The charm of Chinese language and culture

Splashing ink and painting, mindfulness between heaven and earth. The strokes are powerful, and each calligraphy stroke carries the excellent traditional Chinese culture, imbued with rich aesthetic theories. After receiving enlightening cultural explanations about calligraphy, the students had the opportunity to personally crafting their own calligraphy masterpieces using the Four Treasures of the Study. The name engraved on the seal was forcefully pressed onto the printing mud and then printed on the fan, adding a bright red color to the calligraphy of black characters on white paper.



Chinese ethnic musical instruments boast a rich and enduring heritage, continually radiating a distinct allure. Many of these unique ethnic musical instruments have been passed down from ancient times to the present. These instruments have their unique timbre, structure, and performance methods, representing the rich and diverse musical culture of China.

## Campus tours and culture excursions



Yanyuan is located to the north of Yuanmingyuan and faces the Summer Palace to the west. It was built upon the foundation of the "nine major gardens" of the Ming and Qing royal gardens. Over several centuries, Yanyuan has developed alongside Peking University, progressed with China, and shared in the nation's journey, making it a rare and invaluable historical heritage. Teaching assistants helped students quickly familiarize themselves with the campus environment,

gain a deeper understanding of Peking University's history, and experience the unique scenery of Yanyuan up close.

The Forbidden City in Beijing stands as an exemplary milestone in the historical development of ancient Chinese palace cities and remains the world's largest and best-preserved ancient palace architectural complex. Under the guidance of the instructor, the students visited the iconic buildings of the Forbidden City, immersing themselves in the rich history of the Chinese nation and experiencing the essence of Chinese cultural traditions, leaving them deeply awestruck.



# PEKING UNIVERSITY "M-TALENTS" SUMMER SCHOOL

*Most Interesting  
Most Informative  
Most Talented*







### 3/ Outline of “M-Talents” Summer School

#### • Overview of “M-Talents” Summer School

In order to enhance student exchange with international partner universities, the School of Materials Science and Engineering, Peking University launched the “M-Talents Summer School” program in 2023, offering high-quality courses and institute tours focused on materials science, advanced engineering, and related fields to international undergraduates from all over the world. This program will provide a variety of enriching Chinese-foreign cultural exchange events and activities.

#### • Courses offered

- 1) Lectures on frontier discipline and laboratory visits
- 2) Research institute visits and exchanges
- 3) Enterprise visits and workshops

- 4) Elementary Chinese language courses
- 5) Culture excursions

#### • Language

English and Chinese

#### • Period

Application Period: from December to May of the following year.

Course Duration: approximately 7-10 days in mid-July.

#### • Students capacity

About 50-100 international students can be accepted, with 40% on scholarship and 60% self-funded.

#### • Program fee

- US\$ 600 for self-funded students.
- US\$ 100 for scholarship students.

The above fees does not include airfare, Accommodations in Beijing (double room), registration, meals, courses, cultural excursions and social activities are covered. Peking University students do not need to pay fees, but are responsible for their own accommodation and meal expenses.

#### • Supporting companies

Beijing Graphene Institute (BGI), BOE Technology Group Co., Ltd, Huawei Technologies Co., Ltd, BYD.

### 4/ Application

#### • Eligibility

• Applicants must be high school graduates who are interested in materials science or undergraduate students with a background in science and engineering.

• Applicants are required to submit certificates as proof of their English or Chinese language proficiency.

#### • Application deadline and other information

Please refer to the following website: <https://www.mse.pku.edu.cn/en/index.htm>

**We are here to provide you with guidance and support before and during your time at MSE. We look forward to welcoming you!**

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### 1/ About Peking University

Peking University (PKU) is a comprehensive research university offering disciplines ranging from philosophy, literature, history, law, economics, and education to science, engineering, medicine, management and art.

Peking University is dedicated to cultivating innovation-minded scholars with a global perspective and deep understanding of China.

### 2/ About the School of Materials Science and Engineering



ESI top 1<sup>000</sup>

US News 6<sup>th</sup>

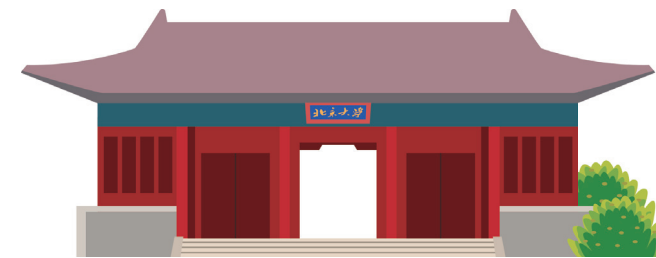
QS 15<sup>th</sup>

The School of Materials Science and Engineering (MSE) of Peking University was established in 2005 and now has been ranked top 1<sup>000</sup> of ESI, the 6<sup>th</sup> of US News, the 15<sup>th</sup> of QS by subject in the world.

MSE emphasizes research in Energy Materials, Optoelectronic Materials, Biomaterials, Composite Materials, and Emerging Materials. We warmly welcome talented international students to join us!



## PEKING UNIVERSITY “M-TALENTS” SUMMER SCHOOL



### Interdisciplinary Lectures

Materials are both ancient and modern, enduring yet constantly evolving. They define the process of human civilization and serve as the core driving force behind numerous technological revolutions. We aim to inspire students to appreciate the allure of materials science through cutting-edge lectures and interdisciplinary science popularization courses.



Materials and Archaeology



Human Intelligence, Brain, and Mental Disorders

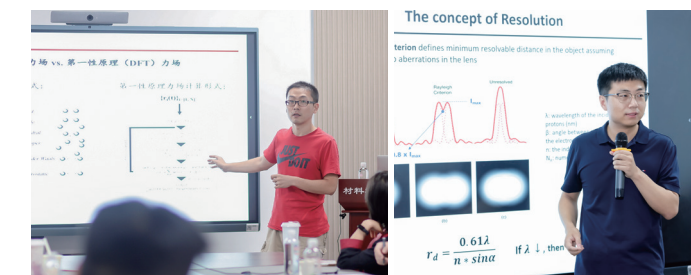


Carbon nanomaterials: small materials, big future

Application of indocyanine green in general surgery

### Lectures on frontier discipline

Materials science involves multiple disciplinary fields. It not only forms the material foundation for various technologies in science and engineering, but also plays an important role in the fields of medicine and economics.



### Laboratory visits

Here, you can explore the instruments, equipment, and experimental environments of many leading research groups within the MSE, immersing yourself in the research atmosphere of the laboratory, bringing new insights and cognition to future research life. In addition to the above-ground laboratories, there is also an electron microscope with a resolution that holds a Guinness World Record underground, allowing you to observe crystal cells and atoms that are typically seen only in journals. Multiple fields and disciplines intersect in this space, and the “M-Talents” summer school offers you the opportunity to experience the cutting-edge and most advanced laboratories of the MSE.

