电子科技大学
University of Electronic Science and Technology of China

2025 UESTC
INTERNATIONAL SUMMER SCHOOL PROGRAMS

CHENGDU, CHINA
June 29-July 12

EXPERIENCING CULTURAL, EXPLORING SCIENCE
UNDERSTANDING THE PAST, SHAPING THE FUTURE

- ★Future AIoT
- ★Exploring Creativity: Robots and Future Technologies
- ★Experience the future China, Explore the Artificial Intelligence
- ★Brain Exploration, Cultural Perception
- ★Cultural Immersion Program
- ★Electronic Science & Technology: Bridging Innovation and Heritage

I COME | I EXPERIENCE | I LEARN | I GROW

UESTC

INTERNATIONAL SUMMER SCHOOL PROGRAMS

ABOUT UESTC

The University of Electronic Science and Technology of China (UESTC) was founded in 1956, and is situated in Chengdu, known as 'Home of Giant Panda' and 'Land of Abundance' with a long history and rich culture.

UESTC became one of the nation's prominent universities in 1960 and was later included as one of the first universities in the 'Project 211' in 1997, a national project for developing 100 first-class universities and a number of key research fields for the 21st century. In 2001, UESTC was admitted into the nation's 'Project 985', receiving special support for developing world-class and world-famous research-oriented universities. In 2017, the University was selected as one of the 'Double First-class' universities (Top36).

Over sixty years of effort and cultivation have witnessed the University's progress from sole dependence on electronic information engineering to all-around programs in electronic disciplines, the University has now become a key multidisciplinary university with electronic science and technology at its heart, engineering as its major field and harmoniously integrating science, engineering, management and liberal arts. It is well prepared to grow as a high-level research-oriented university.

UESTC TIMELINE

1956

Founded by the merging of electrical departments from **3 top** engineering universities in China by then

1997

Admitted into **Project 211 (Top 100)**

2001

Admitted into **Project 985 (Top 39)**

2017

Selected as one of the "**Double First-class**" universities **(Top 36)**

电子科技大学
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UESTC IN NUMBERS

TOP Electronic Science and Technology in China

44,000
44000 students

3,800
Over 3800 staff (including nearly 800 professors)

1,000
Around 1000 international students from over 100 countries

153
UESTC ranks Top 153 in the Academic Ranking of World Universities

11
11 National Key Laboratories

40
40 majors enrolling international students

Latest Global Ranking by U.S.News & World Report

- No.3 Artificial Intelligence
- No.4 Electrical and Electronic Engineering
- No.7 Chemical Engineering
- No.13 Computer Science
- No.16 Mathematics
- No.17 Biotechnology and Applied Microbiology
- No.20 Optics
- No.21 Nanoscience and Nanotechnology
- No.23 Engineering
- No.27 Mechanical Engineering

Latest Global Ranking by Academic Ranking of World Universities

- No.3 Telecommunication Engineering
- No.4 Remote Sensing
- No.14 Computer Science & Engineering
- No.14 Instruments Science & Technology
- No.18 Electrical & Electronic Engineering
- No.23 Nanoscience & Nanotechnology
- No.26 Transportation Science & Technology
- No.48 Automation & Control

PROGRAMS

University of Electronic Science and Technology of China warmly welcomes international students from all around the world to join us to experience the Chinese culture, to explore science, and to expand the horizon in our international summer school programs. In 2025, UESTC will offer a series of on-campus ISSPs in areas of science, engineering, Chinese language and culture.

PROGRAM I FUTURE AIoT

Future AIoT Program provides an in-depth study focusing on "Future Internet of Things and Artificial Intelligence Technology" theme. Through academic lectures, hands-on projects, campus tours, students will have the opportunity to access world-class laboratories, engage in interdisciplinary collaboration, and explore cutting-edge designs in emerging engineering fields.

Duration: June 29-July 12, 2025

Topics: AI for IoT, future Communication and Internet Technology, 5G/6G Wireless Communication, Internet of Vehicle, ASIC/SoC design for smart device, AI-Driven Design

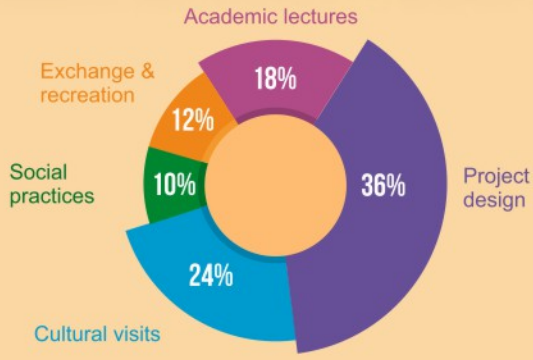
Highlights of the Program:

1.Learn from academic experts as they share cutting-edge knowledge and insights in the field of AIoT.

2.Participate in hands-on laboratory projects and engage in academic discussions with accomplished graduate students.

3.Take part in social activities at renowned high schools and communities to gain a deeper understanding of Chinese culture.

Teaching hours:



PROGRAM II

EXPLORING CREATIVITY: ROBOTS and FUTURE TECHNOLOGIES

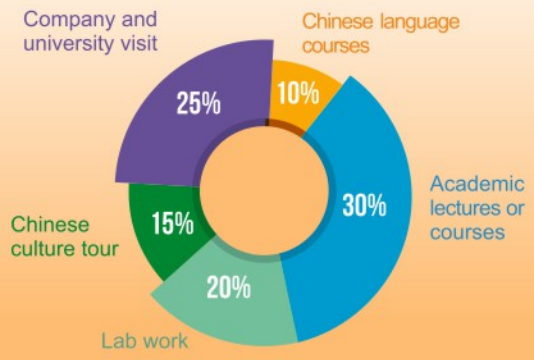
Exploring Creativity: Robots and Future Technologies Program is held by the School of Mechanical and Electrical Engineering (SMEE) Relying on the advantages of UESTC in the fields of electronic information and artificial intelligence, characterized by the deep integration of "Mechanical, Electrical, information and artificial intelligence", Centered on the theme of "Robotics + Future Technologies", it integrates traditional Chinese culture with cutting-edge technological expertise, aiming to empower international students in advancing their comprehensive knowledge and skills in the fields of artificial intelligence and robotics while better understanding Chinese culture. It consists of multiple academic lectures, practical innovation training, enterprise/laboratory visits, and Chinese cultural/language lectures and visits, with a comprehensive student evaluation system.

The 2024 summer break attracts 32 outstanding international students from 4 universities, including Politecnico di Torino, University of the West of England, Technological University Dublin and Horus University-Egypt.

Duration: June 29-July 12, 2025

Topics: Championship team of ABU Robocon and China University Robot Competition (LMITI Robot Team of UESTC), Robot Practice and Project Design, Laser Processing, Mechatronics and Control Engineering, Artificial Intelligence, Chinese Language and Culture Tour

Teaching hours:



Highlights of the Program:

1. Co-training with the championship team of the ABU Asia-Pacific Robot Contest (ABU Robocon) and China University Robot Competition.

2. In-depth experience of the National Demonstration Center for Mechatronics and Control Engineering Education, the Power System Wide-area Measurement and Control Key Laboratory of Sichuan Province.

3. Academic experts deliver cutting-edge knowledge in Robots, Intelligent Manufacturing, Smart Energy and Energy Internet, Laser Processing, etc.

4. Unique Cultural Experience: Here are Pandas, Sanxingdui Museum, hot pot, Sichuan Opera and so on

PROGRAM III

EXPERIENCE THE FUTURE CHINA, EXPLORE THE ARTIFICIAL INTELLIGENCE

Experience the Future China, Explore Artificial Intelligence is designed by School of Information and Software Engineering which offers students with in-depth learning and exchange opportunities through lectures in the extremely popular field of Artificial Intelligence (AI). In addition, students will visit well-known technology companies in China in order to understand the practical application of AI in the industry. The combination of lectures and corporate learning enables students to learn about cutting-edge technology and to experience first-hand the effectiveness of technology application in real industries.

Duration: June 29-July 12, 2025

Topics: Artificial Intelligence, Academic Lectures, Company & Lab Visit, Chinese Culture Tour.

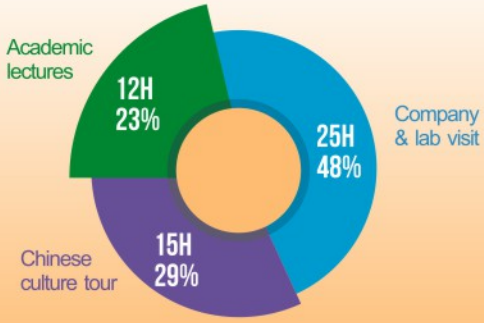
Highlights of the Program:

1.Entering the Chinese Enterprise: Through visiting the cooperative enterprises of SISE, students can gain a preliminary understanding of the management mode, organizational structure, and staff culture of Chinese enterprises.

2.Knowing Chinese Culture: By visiting the Panda Base and Sanxingdui (or others), students can gain insights into Chinese culture and history.

3.In-depth Experience of Chengdu City: SISE is situated in the Shahe Campus in the city center of Chengdu, offering convenient transportation and abundant living and entertainment resources.

Teaching hours:



PROGRAM IV

BRAIN EXPLORATION, CULTURE PERCEPTION

Brain Exploration, Culture Perception Program, briefed as BECP Program, integrates disciplinary characteristics, scientific and technological development, Chinese culture appreciation and cross-cultural communication, aiming to create a diverse cross-cultural communication platform for students from domestic and abroad by providing brain science-related lectures, lab visit, Chinese culture tour and cross-cultural activities.

Duration: June 29-July 12, 2025

Topics: Biomedical Engineering, Brain Science, Neuroscience, Brain-computer Interface, Brain-Inspired Intelligence, Lab Visit, Chinese Language and Culture Experience, Culture Tour

Highlights of the Program:

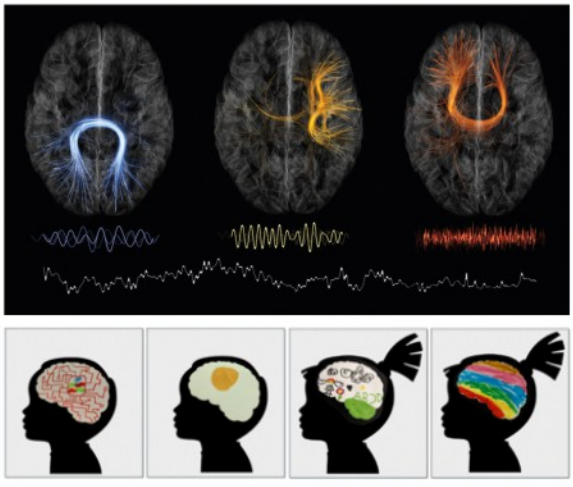
1.Interdisciplinary studies on brain science, cognitive psychology and artificial intelligence

2.Integration of brain science knowlege and Chinese context

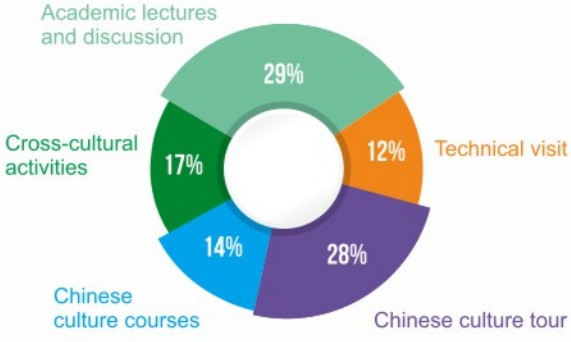
3.Opportunity to engage in brain science research and culture appreciation

4.Better understanding of cross-cultural communication and diversity in the world

Credits: 2.5



Teaching hours:



PROGRAM V CULTURAL IMMERSION PROGRAM

Cultural Immersion Program is organized by Glasgow College UESTC which offers a unique blend of Mandarin language courses, cultural lectures, and field trips. This program will be a gateway for the participants to understand China's ancient history, diverse culture, and core values.

Duration: June 29-July 13, 2025

Topics: Chinese Language Course, Calligraphy, Tea art, Facial Makeup art, Sichuan Cuisine, Ancient Shu Culture

Highlights of the Program:

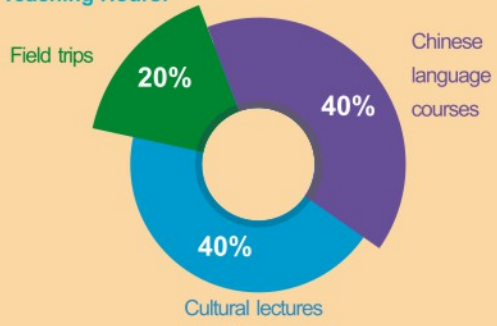
1.Language Mastery: Tailored Mandarin classes focus on practical usage, enhancing your communication skills.

2.Authentic Immersion: Experience the charm of Chengdu firsthand, from visiting giant pandas to exploring ancient temples. Stroll through the bustling streets of Chengdu, from exploring the busiest commercial area Taikoo Li and the world's largest standalone building, the Chengdu Global Center.

3.Culinary Delights: Savor the unique flavors of Sichuan cuisine, a delicious foray into regional culture.

4.Networking: Build lasting international connections with local students and fellow participants.

Teaching Hours:



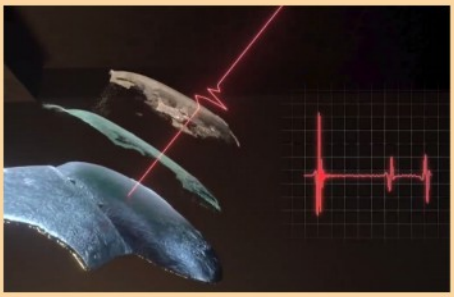
PROGRAM VI

ELECTRONIC SCIENCE & TECHNOLOGY: BRIDGING INNOVATION AND HERITAGE

The Electronic Science & Technology: Bridging Innovation and Heritage Program is centered on the study of electromagnetic waves within the field of electronic science and technology. The curriculum focuses on the microwave, millimeter-wave, and terahertz frequency bands, and presents engaging practical applications, such as the use of terahertz technology in archaeology, terahertz biomedical imaging, and millimeter-wave radar applications. These cases are designed to provide students with a comprehensive understanding of cutting-edge research in the field. Through field trips, students will also have the opportunity to engage in hands-on learning and research, while deepening their understanding of Chinese history and culture.

Duration: June 29-July 12, 2025

Topics: Terahertz Technology in Sanxingdui and The Terracotta Warriors, Microwave & Millimeter Wave Applications



Highlights of the Program:

1.The discipline of Electronic Science and Technology of UESTC is ranked as A+ (Top 2) in China. This Program will provide high-quality lectures and talks carried out by our distinguished professors in related fields.

2.Set against the backdrop of the globally renowned ancient Shu civilization Sanxingdui dated back to 2000BC, the program allows students to understand how terahertz technology can be used to engage in a 'cross-time dialogue' with cultural relics through academic lectures and on-site visits.

3.The program focuses on the core elements of electronic science and technology, to help students understand the cutting-edge advancements and applications in the field, such as Terahertz biomedical imaging, exploring millimeter-wave radar applications, which provide a solid foundation for their future career development.

Teaching Hours:

***Note:** All the programs will be taught in English

APPLICATION INFORMATION

1.Program Fee:

Programs	Program fee(two weeks)
I : Future AIoT	CNY6000≈USD822
II: Exploring Creativity: Robots and Future Technologies	CNY6000≈USD822
III: Experience the Future China, Explore the Artificial	CNY6600≈USD904
IV: Brain Exploration, Culture Perception	CNY5000≈USD685
V : Cultural Immersion Program	CNY5000≈GBP550 or USD685
VI: Electronic Science & Technology: Bridging Innovation and Heritage	CNY6000≈USD822

Please be noted as the following tips:

★The program fee normally covers tuition fee, on-campus accommodation, teaching materials, insurance, transportation fees (after arrival at Chengdu), meals and tickets for culture tours.

★Fees for different program may vary differently according to each program's activities and costs.

★The fees that are not be included: international airfare (international flight tickets), visa costs and other personal expenses.

★Program fee can be partially or fully waived for applicants from our partner universities with limit numbers according to each program's criteria. (please contact the International Office at your home university to sign up)

2.Application Deadline:

First Round: 15 April 2025
Second Round: 15 May 2025

3.Online Application Platform: http://admission.uestc.edu.cn

4.Qualification

★ Non-Chinese citizen (at least 18 years of age on arrival at China)

★ Good English Proficiency (be able to communicate fluently in English)

Moments of 2024
uestc International Summer School Program

The 2024 UESTC International Summer School was held by UESTC to attract excellent students from all around the world to pursue a 14-day's academic exchange and culture immersion experience in our beautiful Qingshuihe Campus, to create a wonderful and efficient platform for both domestic and abroad young talents to communicate with each other, to inspire the sparks of creation and innovation. This year, the Summer School was a great success which attracted over 70 students from UESTC's 14 partner universities around countries such as U.K., Italy, the Netherlands, Spain, Portugal and etc.

UESTC

FUTURE AIoT PROGRAM

Future AIoT Program Group Photo

"Mathematical Methods and Thinking for Artificial Intelligence and Image Science"

"Computer Architecture and CPU Chip Design"Practical Exercise

Social Practices - Chengdu Shude High School

Dance Performance by Future AIoT Students

EXPLORING CREATIVITY

Robots and Future Technologies

Co-training with the championship team of ABU Robocon

Visiting Chengdu CROBOTP Robotics Technology Co.Ltd

Academic Lecture about Fundamentals of robot design and manufacturing

Group Photo at the Research Base of Giant Panda Breeding

Practical Course at National Demonstration Center for Mechatronics and Control Engineering Education

Students showing their works of Sichuan Opera Masks

BRAIN EXPLORATION, CULTURE PERCEPTION

Lecture on Brain Science and Brain-inspired Intelligence

Visit to Chengdu Tianfu International Bio-Town

Traditional Chinese Culture Workshop - ChineseCalligraphy

Traditional Chinese Culture Workshop - Costumes of Chinese Han Ethnic Group Wearing

Summer School Closing Ceremony

Visit to Chengdu Panda Base

CULTURAL IMMERSION PROGRAM

A visit to Jinsha Site Museum

Best Presentation Winners

More Experience, More Joy,
Further Growth

Sichuan Opera Face Changing

Traditional Sugar Painting Experience

Wandering in Kuanzhai Alley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