東華大學
DONGHUA UNIVERSITY

# DONGHUA UNIVERSITY


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Songjiang Campus: 2999 North Renmin Road, Shanghai, China, 201620

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# CONTENTS

*Donghua University (DHU), formerly known as China Textile University, has a rich history dating back to its founding in 1951. It is one of China's National Key Universities, operating directly under the Ministry of Education (MoE). DHU is recognized as a member of China's "Project 211", which comprises the top 100 universities designated by the MoE in 1995 as national priority institutions for the 21st century. It is also actively involved in the "Double First-Class University Plan", a national initiative aimed at elevating a select group of elite universities to global standards by 2050.*

*Nestled in the vibrant city of Shanghai, DHU boasts three campuses: Songjiang Campus, Yan'an Road Campus, and Xinhua Road Campus, spanning an expansive area of approximately 1,333,000 square meters, while the combined floor space exceeds 830,000 square meters, providing an enriching environment for academic pursuits.*

*Guided by the motto of "Virtue, Erudition, Aspiration and Earnestness", DHU has evolved into a multidisciplinary institution of high repute, with a particular focus on textiles, materials, and design. DHU is committed to continuous development, aligning with the strategic objectives of both the nation and Shanghai with the ambition to establish itself "a high-level research university that is domestically first-class and internationally prestigious".*



# OUR COMMITMENT TO EXCELLENCE

**NO. 1**
DHU tops the world in the field of Textile Science and Engineering according to ShanghaiRanking 2023

**19**
Colleges offering over 100 degree programs

**7**
Independently-operating research institutes

**3**
Campuses covering an area of approximately 1,333,000 square meters

**2200+**
Full-time faculty and staff

**14900+**
Undergraduates

**8100+**
Postgraduates

**1900+**
Doctoral candidates

**1000+**
International students

# HISTORY AND EVOLUTION


## 1951

East China Textile Engineering Institute was established after the consolidation of the Textile Department of Jiao Tong University, the Private Shanghai Textile Engineering Institute and the Textile Section of Shanghai Industrial Academy, becoming **the first textile-based institution of higher education** since the founding of the People's Republic of China

## 1960

Approved as **a national key university**



## 1981

Became one of **the first institutions in China authorized** to grant doctoral, master's, and bachelor's degrees

## 2017

Became a **"Double First-Class University"** (selected by the Chinese Government to develop a group of elite universities and individual university departments to world standard by the end of 2050)

## 1999

**Renamed** Donghua University

## 1985

**Renamed** China Textile University

## 1998

Designated as a "Project 211" university (the top 100 universities selected by the MoE in 1995 as national priority universities for the 21st century) Affiliated directly to the Ministry of Education and jointly managed by the Ministry and Shanghai Municipal People's Government

## 2021

Celebrated the **70th anniversary**

## COLLEGE OF TEXTILES

### Bachelor's Degree Program

- Textile Engineering
- Non-woven Materials & Engineering
- Functional Materials

### Master's Degree Program

- Textile Engineering
- Textile Materials & Textiles Design
- Non-woven Materials & Engineering
- Materials & Chemicals

### Doctoral Degree Program

- Textile Engineering
- Textile Materials & Textile Design
- Non-woven Materials & Engineering
- Machinery
- Materials & Chemicals
- Energy Power

## COLLEGE OF FASHION AND DESIGN

### Bachelor's Degree Program

- Fashion Design & Engineering
- Fashion & Apparel Design
- Product Design
- Environmental Design
- Visual Communication Design
- Digital Media Art
- Art & Technology
- Fashion & Apparel Design (China-Japan Cooperation)
- Acting

### Master's Degree Program

- Fashion Design & Engineering
- Art Studies
- Design Studies
- Materials & Chemicals
- Fine Arts & Calligraphy
- Design

### Doctoral Degree Program

- Fashion Design & Engineering
- Design Studies
- Materials & Chemicals

## GLORIOUS SUN SCHOOL OF BUSINESS AND MANAGEMENT

### Bachelor's Degree Program

- Marketing
- Financial Management
- Accounting
- Business Administration
- Information Management & Information System
- Electronic Commerce
- Supply Chain Management
- International Economy & Trade
- Finance

### Master's Degree Program

- Applied Economics
- Management Science & Engineering
- Business Administration Studies
- Finance
- International Business
- Business Administration
- Accounting
- Logistics Engineering & Management

### Doctoral Degree Program

- Management Science & Engineering
- Business Administration
- Machinery



## COLLEGE OF MECHANICAL ENGINEERING

### Bachelor's Degree Program

- Mechanical Engineering
- Industrial Design
- Intelligent Manufacturing Engineering

### Master's Degree Program

- Mechanical Engineering
- Materials Processing Engineering
- Machinery
- Engineering Management

### Doctoral Degree Program

- Mechanical Engineering
- Materials Procession Engineering
- Machinery

## COLLEGE OF INFORMATION SCIENCE AND TECHNOLOGY

### Bachelor's Degree Program

- Electrical Engineering & Automation
- Automation
- Communications Engineering
- Electronic Information Engineering
- Artificial Intelligence

### Master's Degree Program

- Electrical Engineering
- Information & Communication Engineering
- Control Science & Engineering
- Electronic Information
- Electrical Engineering

### Doctoral Degree Program

- Control Science & Engineering
- Information & Communication Intelligent Systems
- Artificial Intelligence
- Machinery

## COLLEGE OF COMPUTER SCIENCE AND TECHNOLOGY

### Bachelor's Degree Program

- Computer Science & Technology
- Software Engineering
- Information Safety
- Data Science & Big Data Technology
- Intelligent Science & Technology

### Master's Degree Program

- Computer Science & Technology
- Software Engineering
- Computer Technology
- Artificial Intelligence
- Engineering Management

### Doctoral Degree Program

- Enterprise Information Systems & Engineering
- Machinery

## COLLEGE OF CHEMISTRY AND CHEMICAL ENGINEERING

### Bachelor's Degree Program

- Light Chemical Engineering
- Applied Chemistry

### Master's Degree Program

- Chemistry
- Chemical Engineering & Technology
- Textile Chemistry & Dyeing & Finishing Engineering
- Materials & Chemicals

### Doctoral Degree Program

- Chemistry
- Textile Chemistry & Dyeing & Finishing Engineering
- Materials & Chemicals

## COLLEGE OF CONTINUING EDUCATION

- Offer various education programs and training programs for adults

## COLLEGE OF MATERIALS SCIENCE AND ENGINEERING

**Bachelor's Degree Program**

- Polymer Materials & Engineering
- Inorganic Non-metallic Materials Engineering
- Composite Materials & Engineering

**Master's Degree Program**

- Chemistry
- Materials Physics & Chemistry
- Materials Science
- Materials Processing Engineering
- Nano Fibers & Hybrid Materials
- Functional & Intelligent Materials
- Biological & Biomimetic Materials
- Materials & Chemicals

**Doctoral Degree Program**

- Chemistry
- Materials Science & Engineering
- Machinery
- Materials & Chemicals
- Energy Power

## COLLEGE OF ENVIRONMENTAL SCIENCE AND ENGINEERING

**Bachelor's Degree Program**

- Environmental Science
- Environmental Engineering
- Building Environment & Energy Application Engineering
- Energy & Environmental Systems Engineering
- Civil Engineering

**Master's Degree Program**

- Civil Engineering
- Environmental Science
- Environmental Engineering
- Environmental Biotechnology
- Resources & Environment
- Energy Power
- Civil Engineering & Water Resources

**Doctoral Degree Program**

- Civil Engineering
- Environmental Science & Engineering
- Energy Power

## COLLEGE OF BIOLOGICAL SCIENCE AND MEDICAL ENGINEERING

**Bachelor's Degree Program**

- Bioengineering

**Master's Degree Program**

- Biochemistry & Molecular Biology
- Biomedical Engineering
- Biology & Medicine

**Doctoral Degree Program**

- Biological Materials Science
- Materials & Chemicals

## COLLEGE OF HUMANITIES

**Bachelor's Degree Program**

- Law
- Administrative Management
- Communication
- Public Relations

**Master's Degree Program**

- Journalism & Communication Studies
- Public Administration Studies
- History of Science & Technology
- Public Administration
- Journalism & Communication

**Doctoral Degree Program**

- History of Textile Technology



## SCHOOL OF MATHEMATICS AND STATISTICS

**Bachelor's Degree Program**

- Mathematics & Applied Mathematics
- Statistics

**Master's Degree Program**

- Applied Statistics
- Mathematics

**Doctoral Degree Program**

- Mathematics

## COLLEGE OF PHYSICS

**Bachelor's Degree Program**

- Applied Physics
- Optoelectronic Information Science & Engineering

**Master's Degree Program**

- Physics
- Electronic Information

**Doctoral Degree Program**

- New Energy Materials & Devices
- New Energy Materials & Devices

## COLLEGE OF SCIENCE

**Bachelor's Degree Program**

- Mathematics & Applied Mathematics
- Statistics
- Applied Physics
- Optoelectronic Information Science & Engineering

**Master's Degree Program**

- Mathematics
- Physics
- System Science
- Optical Engineering
- Applied Statistics
- Electronic Information

**Doctoral Degree Program**

- Mathematics
- New Energy Materials & Devices
- Energy Power

## COLLEGE OF FOREIGN LANGUAGES

**Bachelor's Degree Program**

- English
- Japanese

**Master's Degree Program**

- Foreign Languages & Literature
- Translation

## SHANGHAI INTERNATIONAL COLLEGE OF FASHION AND INNOVATION

**Bachelor's Degree Program**

- Fashion & Apparel Design (China-UK Cooperation)
- Environmental Design (China-UK Cooperation)

## INTERNATIONAL CULTURAL EXCHANGE SCHOOL

**Bachelor's Degree Program**

- Chinese Language

## DEPARTMENT OF PHYSICAL EDUCATION

- Offer physical education to on-campus students

** Degree program availability may change annually.*

## 7 POSTDOCTORAL RESEARCH CENTERS

***Textile Science and Engineering, Materials Science and Engineering, Control Science and Engineering, Environmental Science and Engineering, Mechanical Engineering, Chemistry, Management Science and Engineering***

## 7 INDEPENDENTLY-OPERATING TEACHING AND RESEARCH PLATFORMS

- ***Innovation Center for Textile Science and Technology***
- ***Center for Civil Aviation Composites***
- ***Center for Advanced Low-dimension Materials***
- ***Institute of Functional Materials***
- ***Institute of Artificial Intelligence***
- ***Shanghai International Fashion Innovation Center***
- ***Environmental Art Design Research Institute***

## 7 NATIONAL-LEVEL RESEARCH PLATFORMS

- ***State Key Laboratory for Modification of Chemical Fibers and Polymer Materials***
- ***National Engineering Research Center for Dyeing and Finishing of Textiles***
- ***National Advanced Functional Fiber Innovation Center***
- ***National Innovation Center for Advanced Printing and Dyeing***
- ***China National Inspection & Testing Center for Ophthalmic Optic Glass and Enamel Products***
- ***National Demonstration Institution of Technology Transfer***
- ***National University Science Park***



*DHU offers 26 Doctoral programs, 62 Master programs and 54 Bachelor programs covering the fields of engineering, sciences, business and economics, arts and humanities, fine art, law, history, and education. It has 7 postdoctoral research centers, 7 independently operating teaching and research platforms, 7 national-level research platforms, over 20 provincial-level research platforms and over 100 joint R&D centers.*

*Notably, DHU tops the world in the field of Textile Science and Engineering according to the 2023 Global Ranking of Academic Subjects released by ShanghaiRanking. Besides, 7 DHU disciplines including Chemistry, Engineering, Mathematics, Materials Science, Computer Science, Environmental Science and Ecology, as well as Biology and Biochemistry, are ranked among the top 1% globally according to the Essential Science Indicators (ESI) rankings. Among them, Materials Science and Chemistry stand out in the top 1‰.*

**54**
Bachelor Programs

**62**
Master Programs

**26**
Doctoral Programs

**7**
TOP 1% disciplines in ESI rankings

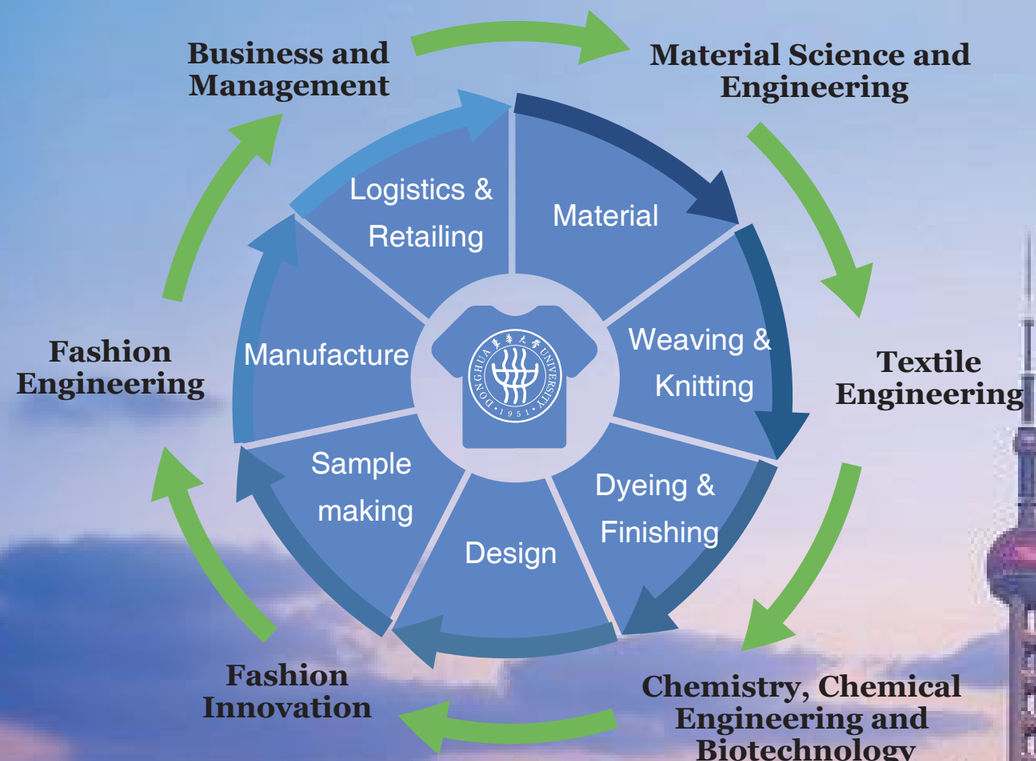
# UPHOLDING TRADITIONS

Built upon the strong foundation of three traditional specialties – textiles, materials, and design – DHU has developed a comprehensive range of academic programs that span the entire textile discipline and industry chain. In the field of textiles, we have successfully achieved our strategic goal of nurturing high-level talent domestically and internationally.

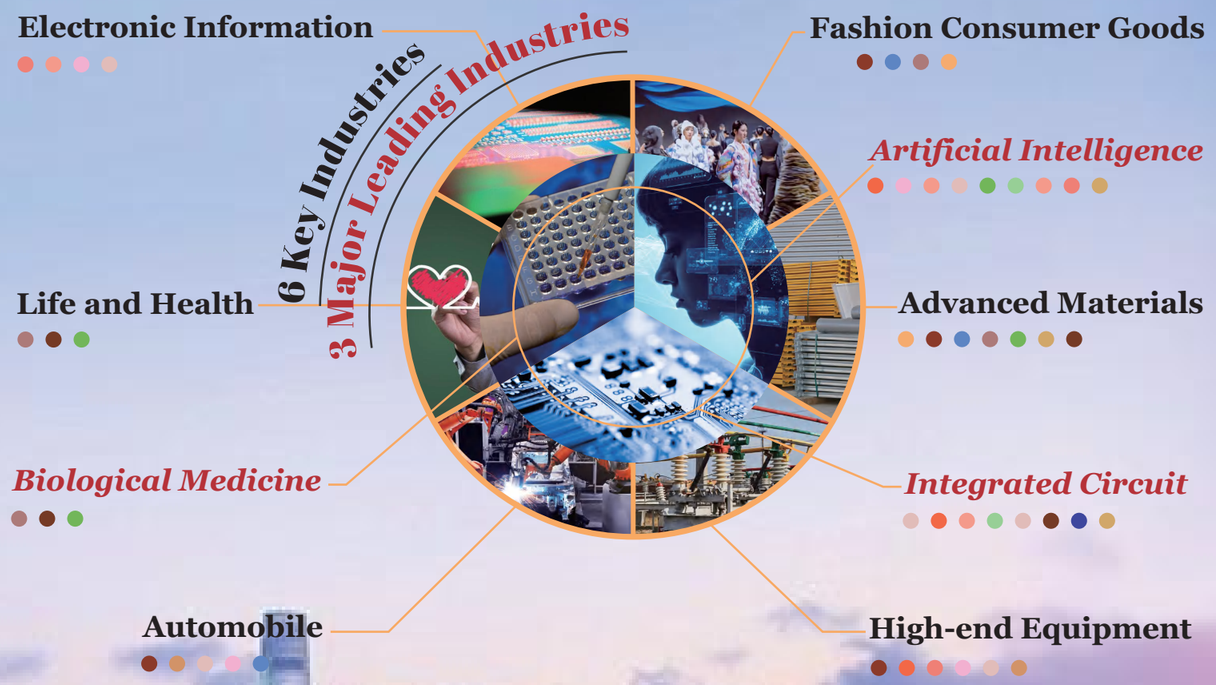
- Textile Science and Engineering
- Materials Science and Engineering
- Mechanical Engineering
- Biological Science and Medical Engineering
- Control Science and Engineering
- Information and Communication Engineering
- Environmental Science and Engineering
- Optical Engineering
- Computer Science and Technology
- Software Engineering
- Civil Engineering
- System Science
- Chemistry
- Mathematics
- Physics
- Biology

* Disciplines within DHU

## Key Discipline Chain Focusing on Textile & Clothing




- Industrial chain of textile & clothing
- Disciplines within DHU




On the basis of our traditional specialties, DHU is investing in emerging strategic disciplines and inter-disciplinary studies, in alignment with Shanghai's action plan of establishing a modern industrial framework focusing on "Three Major Leading Industries" and "Six Key Industries".

# THINKING FORWARD

# RESEARCH WITH IMPACT, INNOVATION FOR TOMORROW

*DHU, through effective collaboration across industry and academia, takes on significant national scientific research endeavors. We actively support the country's strategic goals of advancing industrial transformation and emerging industries. DHU's research capabilities are at the forefront of addressing critical national challenges. Our extensive portfolio of research achievements finds wide applications in aerospace, major construction projects, environmental conservation, and beyond.*

## Aerospace

DHU's textile research team provided their glass fiber mesh fabric, known for its precision and strength, for solar sail panels in missions like Tiangong-1, Tiangong-2, and Tianzhou-1, ensuring their stable operation.

In June 2021, DHU-designed astronaut clothing accompanied Shenzhou-12 crewed spacecraft on a five-year interval since the launch of Shenzhou-11. The clothing integrates Chinese culture, materials, colors, and patterns, emphasizing functionality, efficiency, and aesthetics.

## Advanced Materials

DHU's materials science and engineering research team achieved a significant milestone by developing the world's first dry-process polyimide (PI) fiber production equipment. They also introduced a new "reaction spinning" method for PI fiber preparation and assisted a company in establishing the world's inaugural 1,000-ton dry-process PI fiber production line.

DHU's civil aviation composites research team designed and installed a <1 cm thick roof panel for the "Fuxing Hao" high-speed train. The composite material of the panel features exceptional rigidity, strength, lightweight properties, and flame resistance, contributing to the train's performance and safety.

# High-end Equipment

DHU's chemistry and chemical engineering research team collaborated with Shanghai textile companies to develop innovative flame-resistant and stain-resistant fiber materials and dyeing techniques. These materials were used in China's "Harmony" high-speed train and electric multiple unit (EMU) trains, replacing imported textiles.

Behind the “Flying” torch of Beijing 2022 Winter Olympics is DHU’s mechanical engineering team, which utilized DHU's large, uniquely developed three-dimensional high-precision spherical braiding machine for irregular structures (currently the world's largest) to create a torch casing with carbon fiber composite material, which achieves precision to the gram.

# Artificial Intelligence

DHU's computer science research team has created a technology for in-service aircraft damage detection. It utilizes autonomous navigation and integrates multiple sensors in unmanned systems. This innovation enables intelligent on-site inspections for domestic civil aircraft, greatly improving aircraft maintenance efficiency. It also serves as a vital testing and application platform for non-destructive testing in the aviation industry.

# Life and Health

DHU's biological and medical engineering research team focuses on electrospun nanofiber scaffolds for tissue regeneration. They've improved electrospinning techniques to create diverse porous scaffolds which have been used successfully for regenerating various tissues like skin, blood vessels, nerves, aneurysms, tendons, bones, and cartilage.

During the COVID-19 pandemic, DHU's materials science and engineering research team overcame international technical challenges to produce limited-reuse medical protective suits and other equipment including masks and antimicrobial materials. They swiftly deployed these products to the pandemic frontlines, and also provided assistance to institutions in the United States and Europe.

# Going Green and Sustainability

DHU's chemistry and chemical engineering research team independently developed new reactive dyes have achieved significant advancements in terms of color fastness on cotton fibers, safety in production and use, and environmental friendliness, positioning us at the forefront globally. The development of 14 new reactive dyes effectively raises the level of active dyeing technology, leading to substantial economic and societal benefits.

Being the world's largest producer and consumer of textiles, China confronts various challenges. The team led by DHU’s materials science and engineering research team has achieved a breakthrough in efficient recycling of used polyester, which offers a Chinese solution to tackle resource and environmental issues in the realm of fiber technology innovation.

# SHAPING A BETTER WORLD WITH IDEAS

*DHU's expertise extends to the realm of fashion and design, fostering innovation and creativity that positively influence economic and social progress. We are honored to play an important role in the national strategy of integrated development in the Yangtze River Delta and the construction of developing Shanghai into a fashion capital and design capital.*

## Fashion and Design

As one of the main organizers, DHU actively participated in the preparations for the 2022 First World Design Capital Conference (WDCC 2022) and provided crucial support. The university hosted a series of events, including a fashion showcase, a creative fashion designer's collection launch, and a technology fashion summit, contributing DHU's expertise to the development of the Design Capital.

In 2002, DHU launched the "Greater Donghua Fashion Week" which has evolved into a significant fashion event for both the university and Shanghai over two decades. It serves as a vital platform connecting industry needs, fashion trends, and design education, fostering talent, preserving local culture, and contributing to Shanghai's development.


DHU's fashion design team has customized 128 sets of innovative Shanghai-style school uniforms for elementary and middle school students in Shanghai, using cutting-edge materials and technology that represent the future, improving both functionality and comfort.

DHU's urban planning team has led the development of 4 national standards in China. These standards cover terminology, system construction guidelines, classification, and evaluation norms. Their release marks the country's first-ever set of "national standards" for urban furniture, addressing a significant gap in technical and management standards within the urban furniture industry.



DHU's mechanical engineering research team, in collaboration with a Japanese design team, improved the signage and wayfinding system at the National Exhibition and Convention Center (Shanghai). They created a customized, enhanced system with design prioritizing user-friendliness, ensuring clear visibility, easy-to-read information, international language use, and incorporating artistic and regional cultural elements into the signage.

# EMPOWERING MINDS FOR GENERATIONS

*At DHU, our mission is to nurture versatile and accomplished individuals, with a strong emphasis on moral, intellectual, physical, aesthetic, and vocational education. We are unwavering in our dedication to continuous improvements in education and teaching methods, fostering the development of innovative talents.*

*We take pride in providing top-tier student training system that prioritizes multifaceted teaching, skill-focused training, diverse talent cultivation, and holistic learning. Our objective is to cultivate high-achieving individuals equipped with robust foundations, practical skills, entrepreneurial spirit, and a profound sense of social responsibility.*

*Currently, DHU has over 14,900 undergraduate students, more than 8,100 master's students, over 1,900 doctoral students, and more than 1000 international students. Since its founding, the university has contributed to the education of over 260,000 talented individuals for the nation.*

DHU has won the highest number of awards in the World of Wearable Art (WOW) among all design schools and universities globally. In addition, our faculty and student teams of fashion and art design have achieved recognition with over a hundred prestigious design awards from around the world, including the Red Dot Award, iF Design Award, International Design Excellence Awards (IDEA), and A' Design Award, etc.


DHU students participated in the 40th Odyssey of the Mind World Finals in 2019 and clinched the championship title in both the Long-Term Problem and Spontaneous Problem (Performance Category) for the University Division.

At the 2022 American Mathematical Contest in Modeling/Interdisciplinary Contest in Modeling (MCM/ICM) , DHU students of information science earned 4 Finalist Winner nominations, 3 Meritorious Winner awards, and 8 Honorable Mentions, signifying a substantial achievement in terms of both the number and quality of awards.

DHU aims to cultivate high-level talents within the country. DHU graduates make up almost 25% of the faculty in the textile discipline at China's top 10 universities, and they also account for 80% of the technical experts and 50% of the industry's leaders in the nation's fiber sector.


The 2019 experimental class "CCAC" fleet won the first prize of the national HONDA energy-saving vehicle competition (tram group).

DHU student, Yao Jie, a distinguished pole vaulter, was selected to the national team to compete in the Rio Olympics. In the 2018 Asian Games in Jakarta, he won the silver medal in the Men's Athletics Pole Vault Final.


In the final of Sport Climbing Women's Speed at the Paris 2024 Olympics, DHU student, Deng Lijuan, won the silver medal with a personal best (PB) time of 6.18 seconds. This is also the first Olympic medal won by the Chinese team in the Sport Climbing event.



Since its establishment in 1957, the DHU football team has trained many outstanding players for professional football in Shanghai and in China as a whole. It has also won several national university football championships.

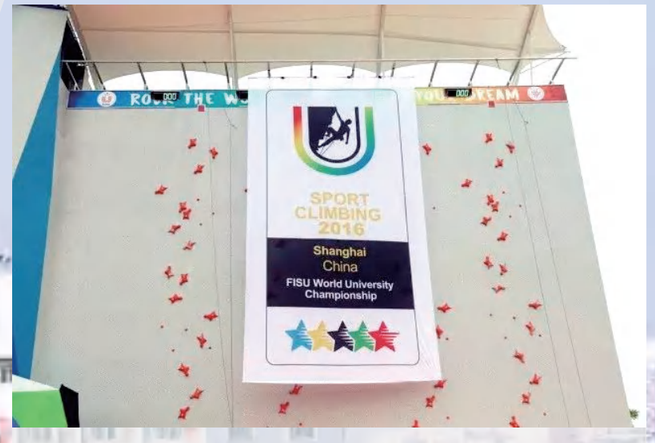

DHU student volunteers have been wholeheartedly assisting at many major events held in Shanghai, such as the Import Expo. Since 2018, DHU has dispatched a total of 769 volunteers to support the Import Expo.

# ON CAMPUS AND BEYOND

*DHU is dedicated to nurturing an exceptional campus culture that boosts confidence, upholds social values and encourages innovation, to build an environment that promotes collaboration, harmony, and a sense of unity among teachers and students.*

DHU's student art troupe was established in 2004. The troupe has excelled in a wide range of competitions and performances, including national and international events, showcasing impressive achievements in various artistic fields.



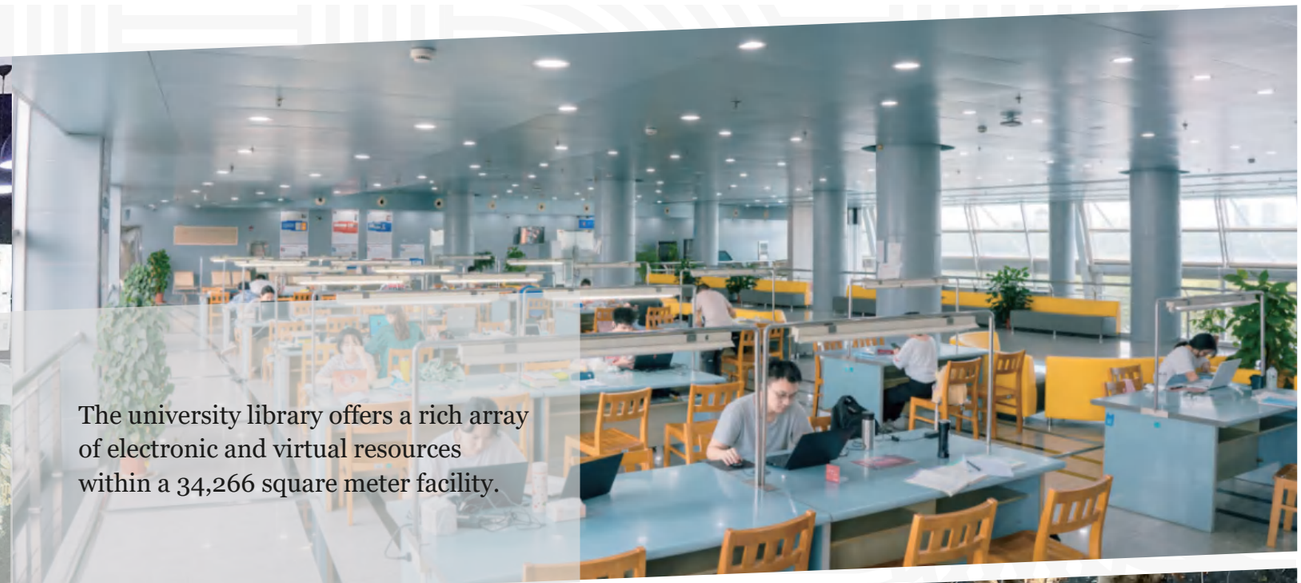



DHU enthusiastically hosts a variety of sports events to foster a vibrant sports culture on campus. In 2016, it successfully organized the first World University Sport Climbing Championship.

DHU organizes many intangible cultural heritage training programs, enabling an appropriate blend of tradition with innovation.

International students participate in the annual DHU International Cultural Festival on campus , presenting the culture of their home countries.


DHU's Innovation and Entrepreneurship Incubation Center aims to develop entrepreneurial spirit and skills in students.



The university library offers a rich array of electronic and virtual resources within a 34,266 square meter facility.

Wenqi Bookstore serves as a multicultural space integrating reading, lectures, salons, exhibitions, cultural creation and coffee time.




The Shanghai Hanfu Copyright Center is China's premier platform for safeguarding the copyrights of traditional Chinese clothing.

The Shanghai Textile and Apparel Museum stands as China's sole university museum presenting the nation's textile and apparel history, culture, and technological advancements.

# CROSSING BORDERS, CONNECTING TO THE GLOBE

*DHU is enthusiastically advancing its efforts to internationalize education in this new era. It has forged strong partnerships with over 150 universities and research institutions worldwide. DHU partners with the University of Edinburgh in the UK, Bunka Gakuen University in Japan, and Carleton University in Canada to establish one transnational education institute and two programs.*

*DHU was among the pioneers in China to admit international students and was among the first institutions in the country to obtain quality accreditation for international student education.*

*DHU actively promotes international academic exchanges. Every year, numerous internationally renowned scholars visit the university to give lectures and engage in collaborative research. A significant number of both faculty and students also travel abroad for study visits or to participate in international academic conferences. This has created an educational environment characterized by a global perspective and rich multicultural diversity.*

From 2016 to 2019, DHU brought the Shanghai-style Qipao fashion to the Edinburgh Arts Festival for four consecutive years, skillfully and artistically combining tradition, fashion, and technology.

UNITED NATIONS INDUSTRIAL DEVELOPMENT ORGANIZATION
Progress by innovation

Cumulus
International Association of Universities and Colleges of Art, Design and Media

PRME Principles for Responsible Management Education
an initiative of the UN GLOBAL COMPACT

IFFTI
International Foundation of Fashion Technology Institutes

WWF

itaa International Textile and Apparel Association

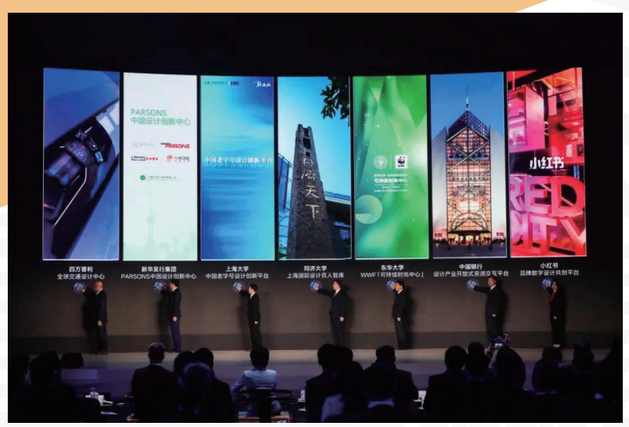
WRAP WORLDWIDE RESPONSIBLE ACCREDITED PRODUCTION

DHU actively collaborates with international organizations and platforms to enhance its global influence. It signed a strategic agreement with WWF Beijing to establish the "Sustainable Fashion Center". This collaboration involves in-depth cooperation in sustainable fashion scientific research and policy advocacy, education and talent development, sustainable fashion promotion, and international exchange.



In 2015, DHU established the world's first Confucius Institute with a focus on textiles and clothing at Moi University in Kenya, aimed at training specialized textile professionals for African nations.


During the 2018 World Textile and Apparel Education Conference held by DHU, it united 33 universities with special textile characteristics in other 18 countries to establish the "Belt and Road" World Textile University Alliance.



DHU is working with WWF Beijing to establish the "Sustainable Fashion Center", which involves in-depth cooperation in sustainable fashion scientific research and policy advocacy, education and talent development, sustainable fashion promotion, and international exchange. The project was released at the 2022 First World Design Capital Conference.