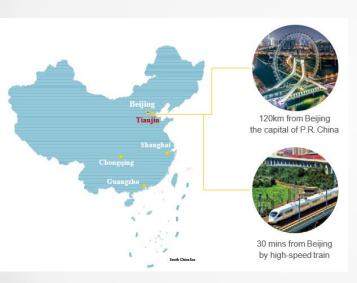


# **TIANJIN CHENGJIAN UNIVERSITY**

—— A high-level characteristic university featured with urban construction

# **Tianjin Location**

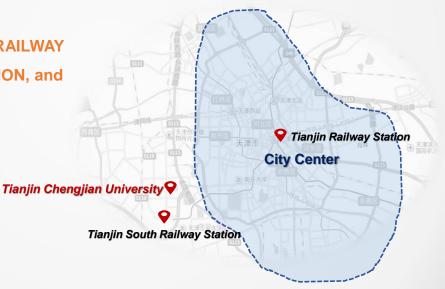


- ♦ One of China's four MUNICIPALITIES directly under the administration of central government
- ◆ Covers an area of 11,900 sq.km., with a population of over 15.61 million
- National advanced manufacturing and R&D base
- Core area of international shipping in north China
- Demonstration area for financial innovation and operations
- Pioneering area for reform and opening up

## UNIVERSITY LOCATION

Situated in the southwest of TIANJIN

 Nearby TIANJIN SOUTH RAILWAY STATION, SUBWAY STATION, and convenient for traffic



# **QUICK FACTS**



17, 823

**Full-time students** 



15,935

**Undergraduate students** 



1,612

**Graduate students** 



226

International students



19

Academic schools (units)



1399

Faculty and staff



137

**Professors** 



296

**Associate professors** 



# ACADEMIC SCHOOLS AND UNITS

#### 15 SCHOOLS

**School of ARCHITECTURE** 

School of CIVIL ENGINEERING

School of ENERGY AND SAFETY ENGINEERING

School of MATERIALS SCIENCE AND ENGINEERING

School of ECONOMICS AND MANAGEMENT

School of ENVIRONMENTAL AND MUNICIPAL ENGINEERING

School of COMPUTER AND INFORMATION ENGINEERING

School of CONTROL AND MECHANICAL ENGINEERING

School of GEOLOGY AND GEOMATICS

**School of URBAN ARTS** 

School of FOREIGN LANGUAGES

School of SCIENCES

School of MARXISM

School of INTERNATIONAL EDUCATION

**INTERNATIONAL SCHOOL OF ENGINEERING** 

#### **4 TEACHING UNITS**

**Physical Education Unit** 

**Computing Center** 

**Engineering Training Center** 

School of CONTINUING EDUCATION

# **DISCIPLINES**

# 7 disciplinary clusters



**Urban Planning** 

**Urban Construction** 

**Urban Management** 

**Eco-city** 

**Smart City** 

**Urban Economy** 

**Urban Culture** 

## **PROGRAMS**



## **57undergraduate programs**

#### **School of Architecture**

- 1.Architecture (5 years)
- 2. Urban and Rural Planning (5 years)
- 3.Landscape Architecture (4 years)

#### **School of Civil Engineering**

- 4.Civil Engineering (4 years)
- 5.Traffic Engineering (4 years)
- 6. Harbor, Waterway and Coastal Engineering (4 years)
- 7.Road, Bridge and Crossing Engineering (4 years)
- 8.City underground Space Engineering (4 years)
- 9.Intelligent manufacturing (4 years)

#### **School of Energy and Safety Engineering**

- 10.Building Environment and Energy Application Engineering (4 years)
- 11. Energy and Power Engineering (4 years)
- 12.Safety Engineering (4 years)

#### **School of Materials Science and Engineering**

- 13.Materials Science and Engineering (4 years)
- 14.Polymer Materials and Engineering (4 years)
- 15.Inorganic Non-metallic Materials Engineer(Agrears)
- 16.Materials Chemistry (4 years)

#### **School of Geology and Geomatics**

- 17.Geological Engineering (4 years)
- 18.Geographic Information System (4 years)
- 19. Human Geography and Urban and Rural Planning (4 years)
- 20. Surveying and Mapping Engineering (4 years)

#### **School of Economics and Management**

21. Engineering Management (4 years)

22. Business Administration (4 years)

23.Land Resources Management (4 years)

24.Information Management and Information System (4 years)

25.Marketing (4 years)

26. Real Estate Development and Management (4 years)

27. Electronic Business (4 years)

28.Engineering Cost (4 years)

29.Investment (4 years)

30. Urban Management (4 years)

#### **School of Environmental and Municipal Engineering**

31. Water Supply and Drainage Science and Engineering (4 years)

32.Environmental Engineering(4 years)

33.Environmental Science(4 years)

34. Ecological Engineering of Environment\*(4 years)

#### **School of Computer and Information Engineering**

35.Computer Science and Technology (4 years)

36.Network Engineering (4 years)

37.Software Engineering (4 years)

38. Electronic Information Engineering (4 years)

39. Electronic Information Science and Technology (4 years)

40.Internet of Things Engineering (4 years)

41.Artificial Intelligence



# 57 undergraduate programs

#### **School of Foreign Languages**

42.English(4 years)

43.Translation(4 years)

#### **School of Science**

44.Applied Chemistry(4 years)

45.Applied Physics(4 years)

46.Mathematics and Applied Mathematics(4 years)

#### **School of Urban Arts**

47. Visual Communication Design (4 years)

48.Environmental Design (4 years)

49.Product Design (4 years)

50.Art and Technology (4 years)

#### **School of Control and Mechanical Engineering**

51. Building Electricity and Intelligence (4 years)

52. Electrical Engineering and Automation (4years)

53.Mechanical Design & Manufacturing and Automation (4 years)

54.Industrial Design (4 years)

55.Automation (4 years)

56.Mechatronics Engineering (4 years)

57.intelligent manufacturing engineering

## **PROGRAMS**



### 14 master programs

**Materials Science and Engineering** 

**Power Engineering and Engineering Thermal Physics** 

**Control Science and Engineering** 

**Computer Science and Technology** 

**Architecture** 

**Civil Engineering** 

**Surveying and Mapping** 

**Environmental Science and Engineering** 

**Urban Planning** 

**Landscape Architecture** 

Geology

**Chemistry** 

**Management Science and Engineering** 

**Applied Economics** 

### 11 professional master programs

<u>Architecture</u> <u>Teaching Chinese to Speakers</u>

Civil and Hydraulics Engineering of Other Languages

<u>Engineering Management</u> <u>Electronic Information</u>

Resources and Environment Mechanical Engineering

Landscape Architecture Enegy and Power Engineering

Urban Planning Public Administration

# TCU implements the innovation-driven strategy to lead the development trend of new urbanization and urban modernization.

### SCIENTIFIC RESEARCH





- Nearly 100 national scientific research projects and over 400 provincial and ministerial scientific research projects in recent years
- More than 50 scientific and technological awards at or above the provincial and ministerial level in recent years
- Over 100 million RMB of research funds per year

## **SCIENTIFIC RESEARCH**







#### National Engineering Research Center

National & Local Joint Engineering Research Center of Construction Waste Utilization

#### **Municipal Key Laboratories**

Tianjin Key Laboratory of Soft Soil Engineering Characteristics and Engineering Environment

Tianjin Key Laboratory of Aquatic Science and Technology

Tianjin Key Laboratory of Civil Buildings Protection and Reinforcement

Tianjin Key Laboratory of Building Green Functional Materials

### Municipal Think Tank, Technology Transformation Base, Strategic Alliance, Science Education Base

Tianjin Chengjian University Technology Transformation Base Research Center for Urban Green Development

Strategic Alliance for Tianjin Green Architectural Industry and Technology Innovation

Tianjin Chengjian University Physical Science and Innovation Practice Education Base

#### Ministerial and Municipal Engineering Research Center

Engineering Research Center of the Ministry of Education of Landfill and Soft Soil Engineering

Tianjin Engineering Research Center of Construction &Coal Waste Utilization Technology

Tianjin Engineering Research Centre of Coastal Soft Soil

Tianjin Engineering Research Center of Green Residential Area Construction Technology

<u>Tianjin Engineering Research Center of Intelligent Building System Integration & Detection Technology</u>

Tianjin Engineering Center of Natural High Efficiency Utilization Technology

Tianjin Engineering Technology Center of Chemical Wastewater Source Reduction and Recycling

#### Municipal Key Research Base of Humanities and Social Sciences

Research Center for Urbanization and New Rural Construction of Tianjin

#### Municipal Collaborative Innovation Center

Collaborative Innovation Center of Tianjin for Green Building
Collaborative Innovation Center for Ideological and Moral Cultivation
and Legal Foundation of Tianjin Universities





TCU-UA Joint Research Center on Disaster Prevention and Mitigation



Joint Research Center for Protective Infrastructure Technology and Environmental Green Bioprocess



Sino-Australian Joint Research Center for High Performance Civil Engineering Materials and Intelligent Construction Technology

# **GLOBAL PARTNERS**



Established partnership with 45 universities and institutions of 20 countries in Europe, America, Asia and Oceania

## **GLOBAL PARTNERS**



University of Nevada Carroll University Iowa State University University of Nebraska-Lincoln Florida State University Slippery Rock University of Pennsylvania Trine University Murray State University



#### Australia

Royal Melbourne Institute of Technology University of South Australia **Curtin University** The University of Adelaide Swinburne University of Technology University of Technology Sydney University of Western Sydney



#### Germany

Rhine-Waal University of Applied Sciences Brandenburg University of Technology



#### Denmark

VIA University College



#### Singapore

**Building & Construction Authority** Nanyang Technological University



Sheffield Hallam University Glasgow Caledonian University University of Salford De Montfort University



University of Naples Parthenope University of Salerno University of Palermo



Turky University of Applied Sciences



#### Bosnia and Herzegovina

University of Banja Luka



#### Montenegro

University of Donja Gorica



#### South Korea

**Anyang University** 



#### Sweden

Umeå University



#### Indonesia

Institut Technologi Bandung Institut Teknologi Sepuluh Nopember



#### Japan

Meijo University



#### Ireland

University College Dublin



University of Malaya Universiti Tunku Abdul Rahman



#### Sri Lanka

University of Colombo



#### **Canada**

Concordia University



#### Poland

Bialystok University of Technology Silesian University of Technology Cracow University of Technology Poznan University of Technology



#### Romania

**Technical University of Civil Engineering of Bucharest** 

# THREE MILESTONES OF INTERNATIONAL EXCHANGE AND COOPERATION

CHINESE-FOREIGN COOPERATIVELY-RUN INSTITUTION WITH POLAND (ISE)



**ABROAD JOINT PROGRAMS WITH PAKISTAN (PTUT)** 

# CHINESE-FOREIGN COOPERATIVELY-RUN INSTITUTION WITH POLAND (ISE)

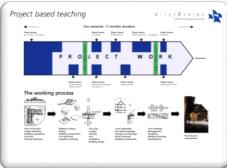




- TCU has established the International School of Engineering jointly with Bialystok University of Technology and Cracow University of Technology of Poland
- ■The 1<sup>st</sup> Chinese-foreign cooperatively-run institution between China and Poland
- Programs: Architecture, Landscape
   Architecture, Civil Engineering and
   Environmental Engineering at Bachelor's and
   Master's level
- ■Currently, there are 497 undergraduate and postgraduate students

# CHINESE-FOREIGN COOPERATIVELY-RUN PROGRAM WITH DENMARK (VIA)







Engineering Management cooperativelyrun program with VIA approved by Chinese MoE in 2014, and has conducted enrollments for 8 years consecutively The program was and passed the evaluation organized by MoE in 2017

Totaling 602 students, many of them have obtained double degrees

# ABROAD JOINT PROGRAMS WITH PAKISTAN (PTUT)

Participated in the establishment of the overseas educational program—

#### **Punjab Tianjin University of Technology**

- **♦** Opening Ceremony in March, 2018
- ◆ Jointly develop two programs: Architecture and Civil Engineering









# **Joint Degree Programs**

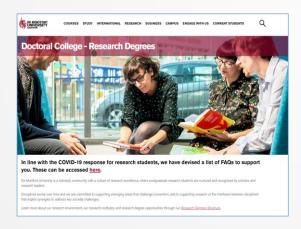
Partner University	Program
VIA University	Architecture
Carroll University	English
VIA University	Marketing
Royal Melbourne Institute of Technology	Electrical Engineering
Florida State University	Municipal and Environmental Engineering
Carroll University	Computer Science and Software Engineering
Bialystok University of Technology	Civil Engineering (Bachelor)
Bialystok University of Technology	Civil Engineering (Master)
Swinburne University of Technology	Architecture, etc. (Doctor)
Salford University	Engineering Management etc.
Swinburne University of Technology	Mechanical Design, Manufacturing and Automation, Mechanical Engineering, Industrial Design, Product Design
Iowa State University	Civil Engineering etc.
Florida State University	Civil Engineering
University of Palermo	<b>Environmental Engineering</b>
University of Palermo	Resources and Environmental Engineering

## **FACULTY EXCHANGE**

#### **Providing various overseas platforms for faculties**

#### **Training programs**

- Carroll University of U.S.
- VIA University of Denmark
- Swinburne University of Technology of Australia
- De Montfort University of U.K.





Nearly 400 faculties have participated in exchange, joint research, international conferences, etc.

# STUDENT EXCHANGE



Over 1300 students participated in joint programs

- Over 200 students studied overseas
- •Over 120 students received double degrees

Encouraging students to participate in overseas exchange and studies with partner universities

- Long-term programs
  - · Bialystok University of Technology (Supported by Erasmus+)
  - · Meijo University
  - · Poznan University of Technology
  - · Cracow University of Technology
  - · University of Nebraska Lincoln
- Short-term programs
  - ·Tunku Abdul Rahman University · University of Kitakvushu
  - · Iowa State University · Meijo University
  - Students Visiting Group supported by Sino-Japanese Friendship Association





## INTERNATIONAL CONFERENCES

- 6th International Conference of Protection of Structures against Hazards
- 14th World Transport Convention-- International Conference on Traffic Signal
   Control
- 4th International Conference on Protective Structures
- 2020 Conference & President's Forum
   of the Belt and Road Architectural
   University International Consortium







## INTERNATIONAL EDUCATION







School of International Education has passed Quality Certification for Studying in China by MoE

- **♦ Two English Degree Programs** 
  - · Civil Engineering (Bachelor's and Master's)
  - · Engineering Management (Bachelor's)
- ♦ Short and Long-term Chinese Language Programs
  - · Chinese Culture
  - · Spoken Chinese
  - · Chinese writing
- ◆ Base of Chinese traditional string instrument
  - · Exploring Chinese Traditional Culture

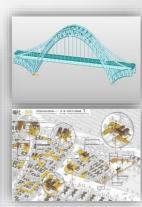


## INTERNATIONAL COMPETITION AWARDS



















# **CAMPUS CULTURE**













## **Excellent Alumni**



#### **Further studies**



















**Employment** 















## **TIANJIN CHENGJIAN UNIVERSITY**



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