

# TIANJIN CHENGJIAN UNIVERSITY



*A university featured with urban planning, urban construction,  
urban management .....*







# QUICK FACTS



# History

- 1978 Architectural Branch of Tianjin University**

(Founded as a branch of Tianjin University (1895) under the approval of Tianjin Municipal Government and carried out undergraduate education)
- 1987 Tianjin Institute of Urban Construction (TIUC)**

(Renamed under the approval of Chinese MOE and gradually formed to a multi-disciplinary university featured with urban construction)
- 2013 Tianjin Chengjian University (TCU)**

(Upgraded under the approval of Chinese MOE and set on the path towards a high-level characteristic university featured with urban construction)

# MESSAGE FROM THE PRESIDENT



Founded in 1978, Tianjin Chengjian University (TCU) is located in the city of Tianjin, one of China's four municipalities directly under the Central Government. As a regular institute of higher education under the administration of Tianjin municipal government, TCU, with a global vision, is young, open and robust, featured with urban-construction-related education and research. As president of TCU, on behalf of the staff, I hereon am sending sincere invitation to prospective students, positive researchers and potential collaborators.

Since the establishment, TCU has been adhering to the motto of 'Morality and Capacity, Learning and Creating', gradually expanding the schooling scale and enhancing educational quality. For more than 40 years, TCU has been devoting itself to continuously optimizing the humanistic environment, the system of disciplines and specialties, training bases and labs, while strengthening the faculty, enriching scientific and cultural activities, and cultivating talents with equal emphasis on science and humanities, to nurture a positive campus culture.

So far, TCU has educated over 60,000 qualified and dedicated graduates, making outstanding contributions to the local economy and the national urban construction.

TCU adheres to the idea of 'opening-up' education, by actively strengthening international exchanges and cooperation, and creating an open and free exchange atmosphere, to warmly accommodate friends from all over the world with an attitude of inclusiveness and equality. With academic freedom, advanced equipment and convenient services from a global perspective, TCU welcomes outstanding researchers from all fields of research and students from all over the world to study and research here. And TCU also welcomes friends from all over the world to cooperate with us in all aspects, establishing close ties with each other to achieve mutual development.

With opportunities and challenges brought by 'The Belt and Road Initiative', TCU can surely seize the opportunities and overcome the challenges to build our world with our professionalism, high spirit, positive attitude and optimistic vision. We are looking forward to meeting you on our beautiful campus.

Professor Zhongxian LI  
President of TCU



# ACADEMIC SCHOOLS AND UNITS



## School of Architecture

- Department of Architecture
- Department of Urban and Rural Planning
- Department of Landscape Architecture
- Experiment Center of Human Settlement Environment of School of Architecture

## School of Energy and Safety Engineering

- Department of Building Environment and Energy Application Engineering
- Department of Underground and Harbor Engineering
- Department of Safety Engineering
- Experiment Center of Energy and Safety Engineering

## School of Civil Engineering

- Department of Building Environment and Energy Application Engineering
- Department of Underground and Harbor Engineering
- Department of Transportation Engineering
- Research Institute of Engineering Mechanics
- Experiment Center of Energy and Safety Engineering

## School of Materials Science and Engineering

- Department of Materials Engineering
- Department of Materials Chemistry
- Experiment Center of Materials Science and Engineering

## School of Economics and Management

- Department of Management Engineering
- Department of Business Administration
- Department of Public Administration
- Department of Economics
- Experiment Center of Economics and Management

## School of Environmental and Municipal Engineering

- Department of Municipal Engineering
- Department of Environmental Engineering
- Department of Environmental Sciences
- Experiment Center of Environmental and Municipal Engineering

## School of Computer and Information Engineering

- Department of Computer Science and Technology
- Department of Electronic Information Engineering
- Department of Software Engineering
- Department of Network Engineering
- Experiment Center of Computer and Information Engineering

## School of Control and Mechanical Engineering

- Department of Automation
- Department of Building Electrical
- Department of Mechanical Engineering
- Basic Teaching Department of Electrical Engineering and Electronic Technology





## School of Geology and Geomatics

- Department of Geology
- Department of Surveying and Mapping and Geographic Information
- Department of Geography and Regional Planning
- Experiment Center of Surveying and Mapping Engineering
- Experiment Center of Geological Engineering

## School of Urban Arts

- Department of Environmental Design
- Department of Product Design
- Department of Public Art
- Basic Teaching Department of Art
- Experiment Center of Urban Art

## School of Foreign Languages

- English Department
- Translation Department
- Department of General English I
- Department of General English II
- Digital Language Lab

## School of Science

- Department of Chemistry
- Department of Mathematics
- Department of Physics
- Teaching Department of CAD and Engineering Graphics
- Experiment Center of Physics
- Experiment Center of Chemistry

## School of Marxism

- Teaching and Research Department of Ideological and Moral Cultivation and Law Basics
- Teaching and Research Department of Basic Principles of Marxism
- Teaching and Research Department of MAO Zedong and Socialism with Chinese Characteristics
- Teaching and Research Department of Outline of Modern Chinese History
- Teaching and Research Department of Situation and Policy

## School of International Education

- Teaching and Research Department of Chinese Language and Culture

## School of Continuing Education (Training Center)

## Physical Education Unit

- Teaching and Research Department of Large Ball Games
- Teaching and Research Department of Small Ball Games
- Teaching and Research Department of National Tradition
- Comprehensive Teaching and Research Department

## Computing Center

- Teaching Department
- Experimental Department
- High Performance Computing Station

## Engineering Training Center

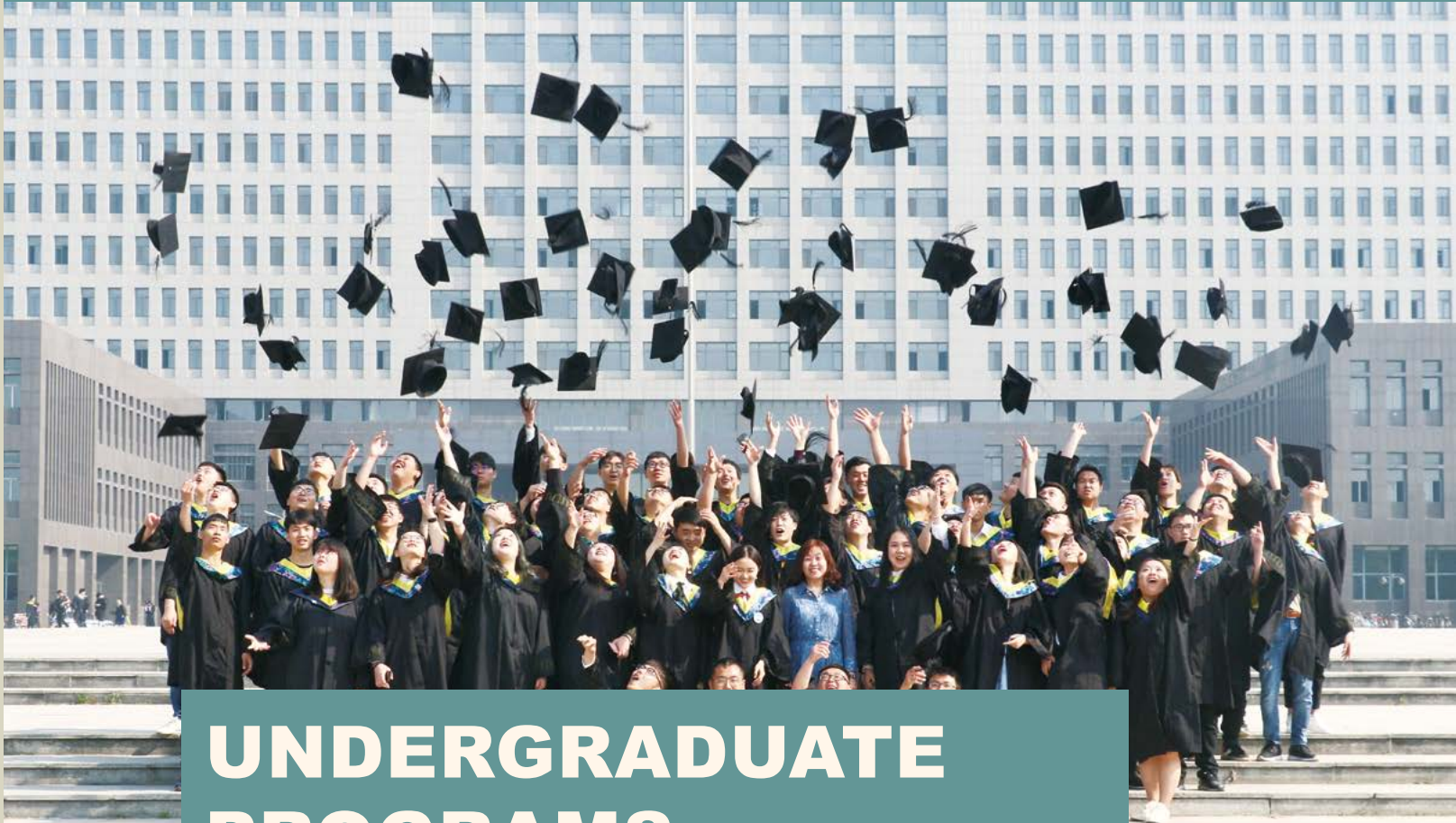
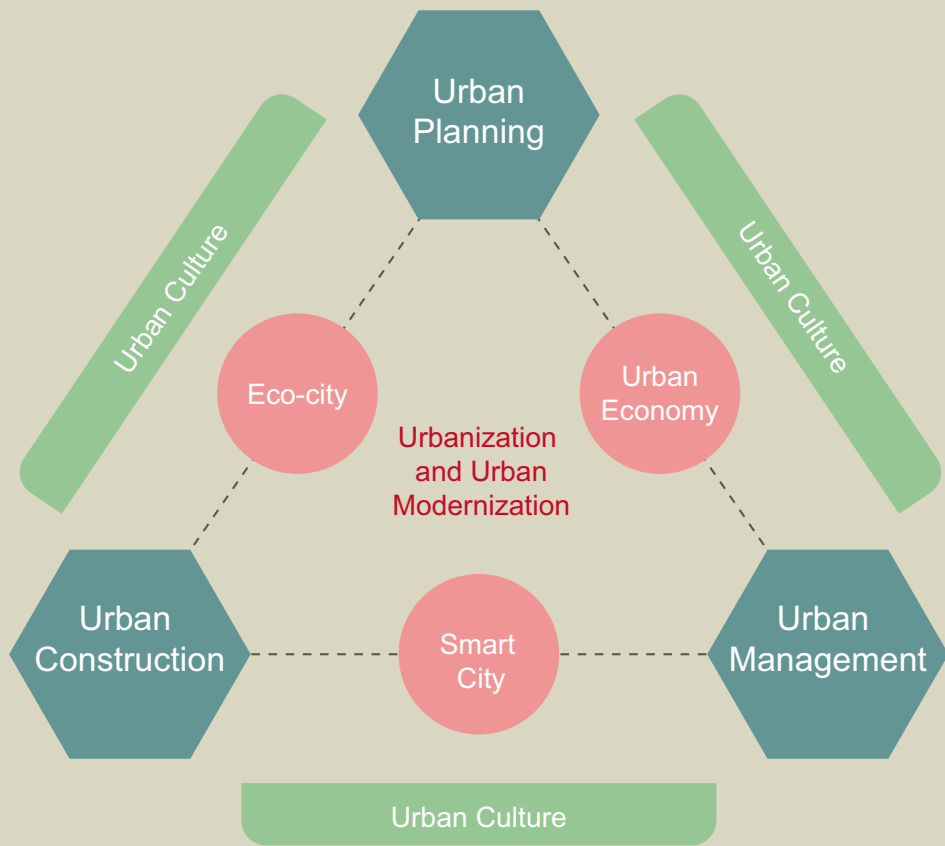
- Department of Metalworking Practice
- Practical Training Teaching Management Department





# DISCIPLINES AND PROGRAMS

Guided by “first-class disciplines”, TCU, laying great emphasis on disciplinary construction, has developed a balanced and interconnected disciplinary system that features Engineering, Science, Management, Economics, Art and Humanities, highlighting TCU’s characteristics in urban construction. Now the university offers 54 undergraduate programs to be granted the Bachelor's Degree, and 19 postgraduate programs to be granted the Master's Degree. Among postgraduate programs, 6 are Tianjin key disciplines and 2 are Tianjin first-class disciplines. TCU has already developed 7 disciplinary clusters, focusing on modernization and urbanization, namely, Urban Planning, Urban Construction, Urban Management, Eco-city, Smart City, Urban Economics, and Urban Culture, among which there are 4 Tianjin featured disciplinary clusters.



## UNDERGRADUATE 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)

### School of Energy and Safety Engineering

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

### School of Materials Science and Engineering

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

### School of Economics and Management

- 16.Engineering Management (4 years)
- 17.Business Administration (4 years)
- 18.Land Resources Management (4 years)
- 19.Information Management and Information System (4 years)
- 20.Electronic Business (4 years)
- 21.Engineering Cost (4 years)
- 22.Investment (4 years)
- 23.Urban Management (4 years)
- 24.Real Estate Development and Management (4 years)
- 25.Marketing (4 years)



School of Environmental and Municipal Engineering

- 26.Water Supply and Drainage Science and Engineering (4 years)
- 27.Environmental Engineering(4 years)
- 28.Environmental Science(4 years)
- 29.Ecological Engineering of Environment\*(4 years)

School of Computer and Information Engineering

- 30.Computer Science and Technology (4 years)
- 31.Network Engineering (4 years)
- 32.Software Engineering (4 years)
- 33.Electronic Information Engineering (4 years)
- 34.Electronic Information Science and Technology (4 years)
- 35.Internet of Things Engineering (4 years)

School of Control and Mechanical Engineering

- 36.Building Electricity and Intelligence (4 years)
- 37.Electrical Engineering and Automation (4years)
- 38.Mechanical Design & Manufacturing and Automation (4 years)
- 39.Industrial Design (4 years)
- 40.Automation (4 years)
- 41.Mechatronics Engineering (4 years)

School of Geology and Geomatics

- 42.Geological Engineering (4 years)
- 43.Geographic Information System (4 years)
- 44.Human Geography and Urban and Rural Planning (4 years)
- 45.Surveying and Mapping Engineering (4 years)

School of Urban Arts

- 46.Visual Communication Design (4 years)
- 47.Environmental Design (4 years)
- 48.Product Design (4 years)
- 49.Art and Technology (4 years)

School of Foreign Languages

- 50.English(4 years)
- 51.Translation(4 years)

School of Science

- 52.Applied Chemistry(4 years)
- 53.Applied Physics(4 years)
- 54.Mathematics and Applied Mathematics(4 years)



POSTGRADUATE PROGRAMS

Academic Master Degree

■ Engineering

- 1.Materials Science and Engineering
- 2.Power Engineering and Engineering Thermal Physics
- 3.Control Science and Engineering
- 4.Computer Science and Technology
- 5.Architecture
- 6.Civil Engineering
- 7.Surveying and Mapping
- 8.Environmental Science and Engineering
- 9.Urban Planning
- 10.Landscape Architecture

■ Science

- 11.Geology
- 12.Chemistry

■ Management

- 13. Management Science and Engineering

■ Economics

- 14.Applied Economics

Professional Master Degree

■ Architecture

■ Civil and Hydraulics Engineering

■ Engineering Management

■ Resources and Environment

■ Landscape Architecture





# FACULTY AND STAFF



As a research and education oriented university, TCU has a faculty who is passionate in delivering high quality education, fostering innovation and creativity. TCU now has 1, 235 full-time faculty and staff members, including 915 full-time faculty members and 424 professors and associate professors. Among them, one has been conferred outstanding national honorary titles, 17 enjoy special national allowances and 20 have won different provincial honorary titles with special funds. We also have 7 provincial innovative teams and 12 provincial teaching teams.

## A-CLASS OUTSTANDING TALENTS

Name	Research Fields
LI Zhongxian	Structural Engineering

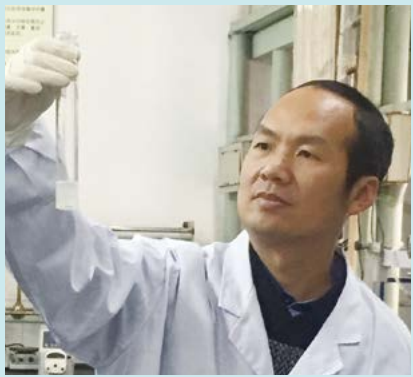
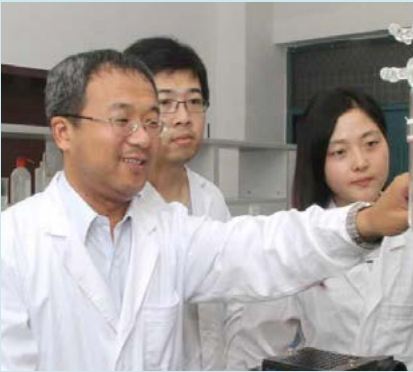
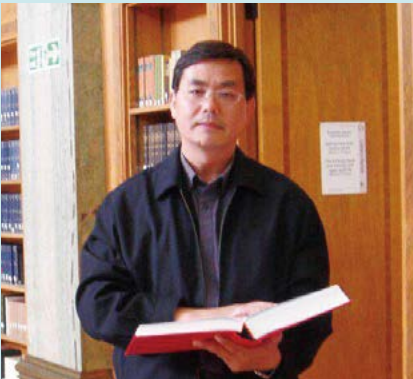


## A-CLASS EXCELLENT TALENTS

Name	Research Fields
GUO Jianbo	Environmental Engineering

## B-CLASS EXCELLENT TALENTS

Name	Research Fields	Name	Research Fields
FEI Xuening	Chemistry	WANG Hailiang	Civil Engineering
GUO Handing	Engineering Management	WANG Shaopo	Environmental Engineering
HUANG Lingxiang	Land Resources Management	WANG Yan	Architecture
LIN Geng	Architecture	YANG Dejian	Structural Engineering
LIU Zhifeng	Materials Science	ZHANG Zhigang	Heat Ventilation and Air-Conditioning Engineering
LIU Zhongxian	Civil Engineering	ZHAO Ruibin	Geological Engineering







# SCIENTIFIC RESEARCH

TCU implements the innovation-driven strategy to lead the development trend of new urbanization and urban modernization. Following the guideline of creating distinguishing features of TCU, making hallmark achievements, strengthening scientific and technological services, forming research team and improving innovation abilities, TCU has been playing an important role in building scientific and technological innovation platforms at the national , provincial and ministerial levels for resolving major technical issues.

TCU owns 4 Tianjin Key Laboratories, focusing on relevant scientific research of geotechnical characteristics and geological environment, technology of water security assurance and strategy of water pollution control, structural explosion resistance and structural reinforcement, and building energy-saving functional materials and resource utilization of solid waste and light quality. TCU owns a National & Local Joint Engineering Research Center of Construction Waste Utilization, conducting research on recycling, utilization and evaluation technology of construction wastes. Landfill and Soft Soil Engineering Center is an Engineering ResearchCenter of the Ministry

of Education in TCU, focusing on the development and application of landfill and soft soil engineering technology. Besides, TCU also has 6 Tianjin Engineering Research Centers and a Municipal Key Research Base of Humanities and Social Sciences, which identifies two unique research directions: urban construction and management, and green construction and operation. TCU has led 3 Municipal Collaborative Innovation Centers concerning development strategy of urban green development, ecological livability and ecological civilization construction as well as the industrialization and technological innovation in the field of green building.

With scientific research advantages towards Binhai new region, TCU has gained unique influence in Tianjin and even across China. In the field of green building and building energy saving, urbanization and new rural construction, TCU has celebrated a number of landmark achievements with considerable influence in China and abroad, and made outstanding contributions to serve the nation's and Tianjin's economic and social development and urban construction.

## Municipal Key Laboratories

- Tianjin Key Laboratory of Soft Soil Engineering Characteristics and Engineering Environment
- Tianjin Key Laboratory of Civil Buildings Protection and Reinforcement
- Tianjin Key Laboratory of Building Green Functional Materials
- Tianjin Key Laboratory of Aquatic Science and Technology

## National Engineering Research Center

- National & Local Joint Engineering Research Center of Construction Waste Utilization

## Ministerial Engineering Research Center

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

## Municipal Key Research Base of Humanities and Social Sciences

- Research Center for Urbanization and New Rural Construction of Tianjin

## Municipal Engineering Research Centers

- Tianjin Engineering Research Center of Construction & Coal Waste Utilization Technology
- Tianjin Engineering Research Center of Green Residential Area Construction Technology
- Tianjin Engineering Research Center of Intelligent Building System Integration & Detection Technology
- Tianjin Engineering Center of Natural High Efficiency Utilization Technology
- Tianjin Engineering Technology Center of Chemical Wastewater Source Reduction and Recycling
- Tianjin Engineering Research Centre of Coastal soft soil

## Municipal Collaborative Innovation Centers

- Collaborative Innovation Center of Tianjin for Green Building
- Center of Green Development Research
- Tianjin Industrial Technology Innovation Strategic Alliance of Green Building



# CAMPUS LIFE



TCU has dedicated itself to providing a dynamic studying and living environment to inspire students to pursue higher levels of achievement.

The university offers a large number of lively and vigorous student activities, not only in science and technology but also in sports and arts. The rich campus culture activities include “Mingfei Lectures” (which is a forum for TCU’s

students to interact with great minds), field trips to rural areas for social services, as well as annual Gala Party for Freshmen and concert performances.

Students have opportunities to participate in various national and provincial contests, like the “Challenge Cup” National Extracurricular Scientific Work Competition, China Undergraduate Mathematical Modeling Contest, National

Undergraduate Structure Design Contest, China College Students Entrepreneurship Competition and Tianjin Group Dance Competition.

In the past three years, TCU students have won 461 awards in provincial, ministerial and national contests. The drama Ohm's Law and Goodbye Mr. Loser directed by TCU’s drama club have received great recognition. TCU has a

famous women soccer team, which has received various awards in the National College Student Women’s Soccer Championship, the National Women’s FA Cup and Women’s Championship of the National College Women Football Championship.



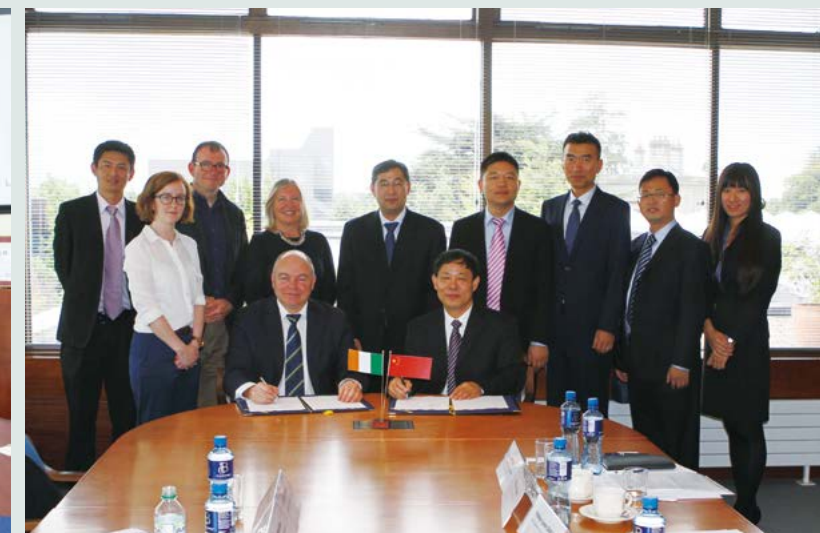
# INTERNATIONAL COOPERATION AND EXCHANGE



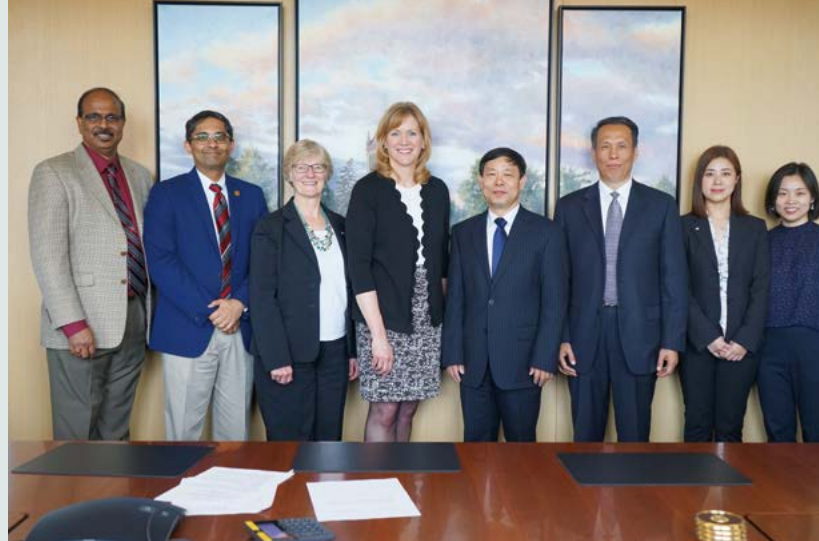
TCU has signed MOU with 40 universities and institutions in 15 countries, and 22 cooperation agreements with 15 universities from different countries. The undergraduate education project for engineering management in cooperation with VIA University College in Denmark has consecutively conducted enrollments since 2014. There are more than 800 long-term and short-term overseas students from 23 countries. Nearly 700 experts and scholars from overseas well-known universities have been carrying out academic activities in TCU.



TCU has also been granted 67 projects for international experts, and thus the university was listed as one of model units in Tianjin for the work of introducing overseas talents. TCU has supported over 300 teachers for scholarly exchange and communication. TCU has applied, together with Bialystok University of Technology and Cracow University of Technology of Poland, to Ministry of Education to establish the International School of Engineering, a Chinese foreign cooperatively-run institute. TCU has also participated in the construction of Punjab-Tianjin University of Technology in Pakistan, in conjunction with other two universities in Tianjin. TCU established a Joint Research Center for Protective Infrastructure Technology and Environmental Green Bioprocess, in cooperation with University of Technology, Sydney, Australia, and has been included in the third batch of international scientific and technological cooperation bases in Tianjin.







## Joint Program

### VIA University College

- Engineering Management (Bachelor)
- Approved by Chinese Ministry of Education

## Abroad Joint Program

### Punjab Tianjin University of Technology

- Architecture (Bachelor)
- Civil Engineering (Bachelor)

## Teacher Training Program

### De Montfort University

- English Language and English Language Teaching/Learning

## Joint Research Centers

### The University of Adelaide

- TCU-UA Joint Research Center on Disaster Prevention and Mitigation

### University of Technology, Sydney

- Joint Research Centre for Protective Infrastructure Technology and Environmental Green Bioprocess

## Articulation Programs

### Swinburne University of Technology

- Mechanical Design; Manufacturing and Automation; Civil Engineering; Engineering Management; Industrial Design etc. (Bachelor)
- Architecture; Urban Planning; Civil Engineering ; Material Science and Engineerin etc. (Ph.D)

### Bialystok University of Technology

- Civil Engineering (Bachelor)
- Civil Engineering (Master)

### Florida State University

- Civil Engineering; Environmental Engineering (Bachelor)
- Civil Engineering; Environmental Engineering (Master)

### Iowa State University

- Civil Engineering; Engineering Management etc. (Bachelor)
- Civil Engineering; Engineering Management etc. (Master)

### University of Salford

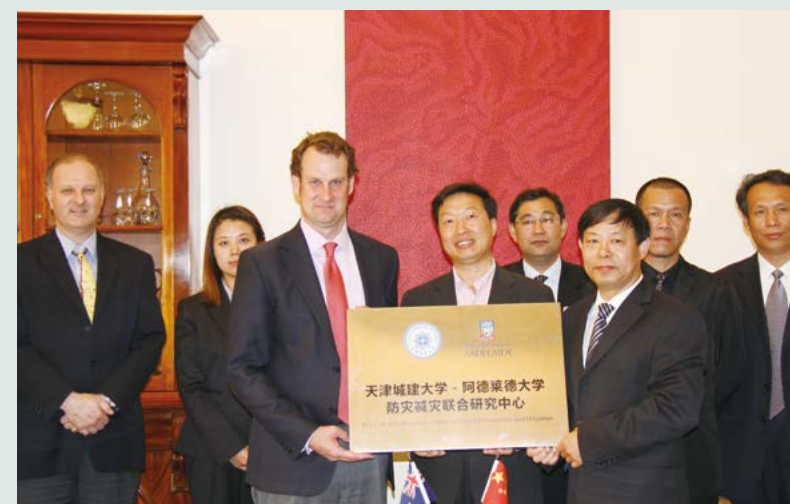
- Construction Management; BIM and Integrated Design; Project Management in Construction; Quantity Surveying etc. (Master)

### Royal Melbourne Institute of Technology

- Electrical Engineering (Bachelor)

### Carroll University

- Computer Science; Software Engineering; English (Bachelor)
- Computer Science; Software Engineering (Master)





# INTERNATIONAL STUDENTS



International education in Tianjin Chengjian University was launched, drawing on the teaching and research resources and the international cooperation with partner universities. Based on the belief of multicultural education, featured with science and engineering disciplines as its characteristics, School of International Education has initiated international cooperation programs and the programs for international students, attracting students mainly from countries along the Belt and Road and opening to the whole world.

Up to now, School of International Education has formed an educational system of various types and levels,

containing programs for undergraduate degrees and postgraduate degrees, and the courses for Chinese language learning. It attaches great importance to construction of disciplines and teaching system.

Every year, nearly 400 international students study in TCU, among whom students of degree programs account for 50%. The students come from 23 countries, including 10 countries along the Belt and Road. Until January 2019, the number of students of degree programs is 268.



At present, 54 undergraduate programs and 17 postgraduate programs are open to international students, among which two undergraduate programs of civil engineering and engineering management are instructed in English.



## Undergraduate Programs Instructed in English

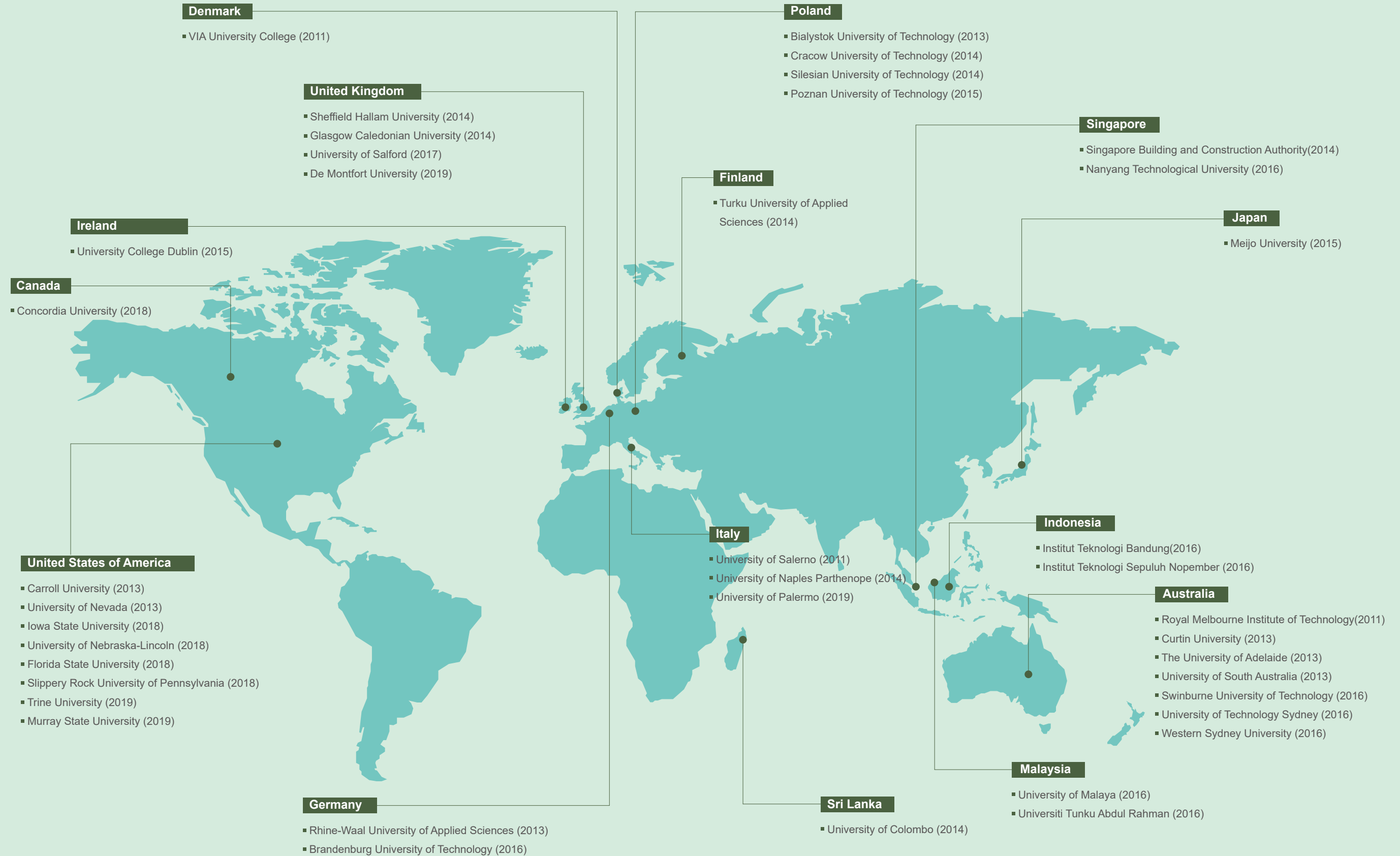
• Civil Engineering

• Engineering Management

\*Statistics by June 30, 2019



# PARTNERS







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