Tianjin Sino-German University of Applied Sciences (TSGUAS) is the first university of applied technology approved by Ministry of Education of China. Founded in 1985, TSGUAS is the largest central governmental level cooperation project among China, Germany, Japan and Spain in vocational education and training. The university, located in Tianjin Haihe Education Park coasting Bohai Sea, is under the supervision of Tianjin Municipal People's Government. TSGUAS is one of the candidates for winning the Master-degree Conferring Qualification during the period of 2017-2020 in Tianjin. The municipal government has also designated the university status of developing a world-level university of applied technology, with that clarified goal to be achieved by 2030.

The University covers an area of 165 acres with a building area of 297,300 m2 and has 365 experimental and training labs and workshops integrating teaching, leaning and practicing functions. There are more than 20,000 sets of teaching and research instruments and equipment in the university, with the total worth of over 500 million Yuan, most of which are advanced production-oriented equipment imported from Germany, Switzerland and Spain. By following the practical teaching concept of "cultivating outstanding talents with high-end equipment and advanced technology", the university is committed to building a multi-type and production-education integrated "teaching factory" to meet the needs of the manufacturing and manufacturing service industries.

Currently, TSGUAS has 9 major groups of applied disciplines, including Advanced Manufacturing Technology, Automation Technology, Aviation & Aerospace Technology and Service, Automobile Technology and Service, Software and Communication Technology, New Energy Technology, Economic and Trade Management, Cultural Creativity and Art Design, Applied Languages. Besides, there are 21 undergraduate majors and 25 higher vocational majors, with the engineering majors taking the first place and coordinated development of management science and art related majors. There are 11,508 full-time students on campus. Since 2012, the University has enrolled more than 300 international students, including 186 diploma and degree students from Germany, Spain, Thailand, Vietnam, Indonesia, Cambodia, Myanmar, Kazakhstan, Nigeria and Dominica.

There are over 720 teaching faculty members, among whom 40% are entitled as associate professors or above, and 84% received a master degree or above. Every discipline group of the university is equipped with foreign experts and visiting professors. At present, there are 12 specially-appointed professors and more than 60 visiting professors. Among over 100 foreign experts once worked in the university, 5 had won the National Friendship Award and 7 had won the Tianjin Haihe Friendship Award.

With more than 30 years of school-running experience, TSGUAS has formed its own school-running feature with 3 development pillars: international cooperation, school-enterprise cooperation, innovation and entrepreneurship. Based on the government-level cooperation among China, Germany, Japan and Spain, the university has established its cooperative relationship with Canada, Australia, the United States, Singapore, Thailand, Indonesia, South Korea, Cambodia, Cuba, Hong Kong (China), Taiwan (China) and other countries and regions. TSGUAS is entitled as "Sino-German (Tianjin) Vocational Education Cooperation Demonstration Base" approved by the Ministry of Education of China and "Tianjin Internship and Practice Base for International Students".

By adhering to the motto spirit of "Practicality, Perfection and Integrity" and the schooling essence of "Inclusiveness, Dedication and Harmonious Cooperation", TSGUAS has always been focusing on serving the industrial development, inheriting the craftsman's spirit of "excellence, honesty and trustworthiness" and being committed to training senior technicians, front-line engineers and craftsmen who are "politically upright, highly skilled, honest, trustworthy, rational and moderate". At present, TSGUAS is earnestly constructing a modern vocational education system and heading with every effort toward the goal of building a world-top university of applied sciences.

Bachelor Degree Programs

College	Program	Core Courses	Teaching Language
School of Mechanical Engineering	Mechanical and Electronic Engineering	● Engineering Cartography ● Control Engineering ● Censor and Testing Engineering ● Numerical Control Machine Assembly & Repair ● Programmable Control and Applications ● Production Line Design and Testing	Chinese
	Material Shaping and Control Engineering	● Principle and Processing Characteristics of Heat Treatment ● Principle and Processing Characteristics of Material Forming ● Modern Analysis Methods of Materials ● Engineering Application of Heat Treatment Technology ● Application of Material Surface Treatment Engineering ● Application of Material Testing Technology Engineering	Chinese
	Metallic Materials Engineering	● Material Forming Technology ● Principle of Metal Plastic Forming ● Stamping Forming Process and Mould Design ● Application of Stamping Mould Design Engineering ● Application of Injection Mold Design Engineering ● Application of Mould Precision Manufacturing Engineering	Chinese
School of Smart Manufacturing	Logistics Management	● Logistics Operational Research ● Warehousing and Distribution ● Supply Chain Management ● Logistics Economics ● Operation Management of Production Logistics	Chinese
	Automation	● Analog Electronic Technology ● Electrical Control Technology ● Embedded System Programming and Implementation ● Modern Control Theory ● Programming and Debugging of Programmable Control System ● Analysis and Design of Motion Control System	Chinese / English
	Electrical Engineering And Intelligent Control	● Power Electronic Technology ● Basis of Power System ● Robot Control Technology ● Sensors and Detection Technology ● Intelligent Control Technology ● Application Technology of Internet of Things	Chinese
	Information Security and Management	● Computer network and protocol analysis basis ● Industrial Control System and Industrial Network ● Data encryption and PKI technology ● Malicious code ● Operating system and security ● Industrial control network security equipment configuration ● Intrusion detection technology	Chinese
School of Aerospace and Aeronautics	Aircraft Manufacturing Engineering	● Introduction to Aerospace and Aeronautics ● Aerodynamics ● Material and Craft ● Aeronautical Metal Plating and Riveting ● Aircraft Maintenance ● Aircraft Mechanical Structure	Chinese / English
School of Automobile and Railed Transportation	Automobile Service Engineering	● Automobile Structure ● Principles and Applications of Automobile Marketing ● Auto Insurance and Claims ● New Energy Vehicle Technology ● Used Vehicle Identification and Evaluation ● Vehicle Inspection and Fault Diagnosis	Chinese
	Vehicle Engineering	● Automobile Structure ● Principle of Automobile ● Principle of Engine ● New Energy Vehicle Technology ● Mechanical Design Basis ● Mechanical Construction Basis	Chinese / English
School of Software and Telecom munication	Communication Engineering	● Fundamentals of Circuit Analysis ● Signals and Systems ● Digital Logic Circuit ● High Frequency Electronic Circuit ● Communication Principle ● Digital Signal Processing ● Mobile Communication ● Optical Fiber Communication	Chinese / English
	Software Engineering	● Object Oriented Programming and Design ● Data Structure ● Software System Analysis and Design Technology ● Software Project Management ● Hadoop Big Data Application Development	Chinese
	Internet of Things	● Embedded system and design ● Artificial intelligence principle and application ● Mobile internet application development ● IOT communication technology ● Computer vision technology ● IOT engineering and security ● IOT cutting-edge technology	Chinese

School of Economics and Management	Quality Management Engineering	● Introduction to Quality Management ● Quality Control ● Quality Testing ● Operations Research ● Lean Production ● Quality Safety and Risk Management	Chinese
	Financial Management	● Financial Analysis ● Investment Science ● Financial Market ● Tax Law and Tax Planning Cases	Chinese
School of Fine Arts	Product Design	● Design Procedure and Method, ● Ergonomic ● Product Digital Modeling and Rendering, ● Project of Product Design 1 (Cultural and Creative Product) ● Project of Product Design 2 (Intelligent Product) ● Project of Product Design 3 (Vehicle) ● Technology of Product Rapid Prototyping	Chinese / English
	Digital Media Art	● Computer Image Processing ● Foundation of 3D Design ● Film and Television Special Effect Synthesis ● Film and Television Photography and Photography ● 1. Direction of Digital Film and Television Production ● Basic Digital Video Equipment ● Digital Sound Creation ● Film and Television Advertising Planning ● 2.Interactive Media Design Direction ● 3D Character Animation ● Virtual Reality Scene Representation ● UI and Interaction Design	Chinese
	Industrial Fine Arts	1.Lacquer Art Minor: ● Lacquer Ware Workmanship ● Chinese Utensil Modeling ● Lacquer Painting ● Lacquer Carcass Processing	Chinese
		2.Embroidery and Batik Minor: ● Pattern Design ● Embroidery Processing ● Dyeing and Weaving ● Derivative Design and Application	Chinese
		3.Colored Sculpture Minor: ● Anatomy Sketching ● Head Portrait Sketching ● Plaster Turnover ● Traditional Colored Sculpture Copying ● Figure Sculpture Creation	Chinese
		4.Jewelry Design Minor: ● Metal Processing ● Jewelry and Embedding Process ● Jewelry Polishing ● Jewelry CAD ● Jewelry Appraisal	Chinese
School of New Energy	Energy and Power Engineering	● Engineering Thermodynamics ● Heat Transfer Theory ● Principle and Processing Characteristics of Heat Exchange ● Engineering Fluid Mechanics ● Engineering Fluid Mechanics and Equipment ● Energy Dynamics Technology ● Photo Thermal Utilization and Energy Storage Technology	Chinese

● SIEMENS Technology Experience Center

● Intelligent production line teaching demonstration innovation center

● Iot Application Technology Experience Center

● DMG CNC Training Center

● Industrial robot basic training room

● MITSUBISHI Robot Workshop

Education Type and Duration

Undergraduate Program:
4 years (A high school diploma or equivalent is required);
Undergraduate Program:
2 years (Must obtain higher vocational diploma in China).

● 3DP Training Room

Admission requirements

– Over 18 years old and younger than 30 years old (proved by Passport);
– High school certificate or equivalent to grade 12 or year 12, as certified by the Ministry of Education, and can communicate in English language well;
– Students taught in Chinese should provide HSK level 4 certificate or above;
– Students taught in English should provide the test report of IELTS (Overall score 5.0 or above).

● Digital media training room

● Automobile Practice Workshop

Application Documents

☐ Application form of Tianjin Sino-German University of Applied Sciences
☐ Transcripts of the Highest Education (scanned copy)
☐ Diploma of the Highest Education (scanned copy)
☐ Scanned copy of the first page of the passport;
☐ Foreigner Physical Examination Form;
☐ Non-Criminal Record;
☐ HSK certificate or test report of IELTS;
If the students apply for the Tianjin municipal government scholarship, please fill in Tianjin Municipal Government Scholarship Application Form with signature, and provide the scanned copy of notarized schooling diploma and transcripts in English.

Path and Time of Application

Applicant can obtain the "Application Form for International Students of Tianjin Sino-German University of Applied Sciences" and "Tianjin Municipal Government Scholarship Application Form" from the website of the university, and then submit the form after filling it in. The deadline of application is June 30th each year. The application is on a year-round basis, and the first semester begins in September each year.

Tuition and Fees

1. Tuition
Undergraduate Education: 15,000 RMB/year
Chinese Preparatory Program: 15,000 RMB/year
2. Accommodation
Building M
Twin Room: 6000 RMB /year/person
Housing Deposit: 200 RMB/person
3. Extras
Registration Fee (only for new students): 200 RMB;
Textbook Fee: 800 RMB as deposit (The actual charges will be accordingly at cost.);
Physical Examination Fee (only for new students): 650 RMB;
Resident Permit Fee: 400 RMB/year;
Comprehensive Medical Insurance Fee: 800 RMB/year;
4. Other living costs are borne by students.