



太原理工大学
TAIYUAN UNIVERSITY OF TECHNOLOGY

International Students Recruitment for Taiyuan University of Technology

(2020)

I. Brief Introduction of Taiyuan University of Technology (TYUT)

Taiyuan University of Technology, which was one of the first three national universities in China, was established in 1902. It is a key construction university in “211 Project” and national “double-first-class” project. TYUT covers an area of nearly 3200 mu (about 2.13 million square meters) and now has 30960 full-time undergraduates, 7017 postgraduates and 762 doctoral candidates. It also has 84 undergraduate specialized programs, 34 masters degree programs in first-level discipline, 15 doctoral programs in first-level disciplines, 15 post-doctoral research stations, 14 authorized points for professional degree and 3 national key disciplines, 4 national experimental teaching demonstration centers, 5 national characteristic specialized construction points, 7 national “engineering practice education centers” and 1 state key laboratory base cofounded by the province and Ministry, 4 key laboratory of the Ministry of Education. Engineering Science, Materials Science and Chemistry have entered the top 1% of ESI in the world.

TYUT has 3549 teaching and administrative staff, including 2178 full-time teachers, 3 academicians of the Academy of Engineering, 1 academician of the Academy of Sciences, 244 doctoral supervisors and 1254 teachers with senior professional and technical titles

The education of international students of TYUT can date from the early 1980s, where nearly 2000 people from more than 100 countries, including the United States, France, Japan and South Korea, came to our school to study. There are 594 international students currently from more than 50 countries and regions in Asia, Africa, Europe and the United States. In addition to learning languages, the international students also can receive education in various disciplines such as undergraduate, masters, doctoral and so on.

II. Qualification of Applicant

1. Basic Requirements

Applicants must be physically and mentally healthy and free of previous history of infectious diseases and psychosis. Applicants should have complete study and work experience in their own country, good behavior and no criminal record. The applicants should be willing to learn about Chinese history and culture, should abide by the laws,

rules and regulations of the Chinese government and the school and have respect the customs and traditions of the Chinese people.

2. Identity and Nationality Requirement

The applicant must be a non-Chinese citizen with a valid foreign passport. For overseas Chinese, ethnic Chinese and Chinese citizens who migrate to foreign countries, if they apply to study in China as foreign students, they must hold valid foreign passports or certificates of nationality for more than 4 years (including), and have the actual residence record of more than 2 years in the last 4 years (up to April 30 of the enrollment year) (the actual residence in foreign countries for more than 9 months in a year can be calculated as one year, that is subject to entry and exit signature)

III. Admission Categories and Requirements

1. Educational Background and Age Requirement:

Now we are recruiting overseas students with academic qualifications (undergraduate students, postgraduate students and doctoral students) and non-degree students (preparatory students, Chinese language students) as well as general advanced students and senior advanced students. Students in all admission categories should be aged between 18 and 40. Applicants under the age of 18 are not eligible thus the date of birth should be no later than September 5, 2002)



Admission categories		Requirements for students	Educational requirements	Age requirements
Academic students with qualifications	Undergraduate students	Having completed all studies in a regular high school accredited by the Ministry of Education & got a high school certificate or diploma	High school diploma or its equivalent	18—25
	Postgraduate students	Having complete learning experience from primary school to undergraduate level, and having got bachelor's degree & graduation certificate certified by National Ministry of Education	Bachelor degree or its equivalent	18—30
	Doctoral students	Having complete learning experience from primary school to master's degree, and having got the master's degree & graduation certificate certified by the Ministry of Education	Master degree or its equivalent	18—40
Non-degree students	Preparatory students	Having complete learning experience from primary school to the highest level of education, and having got the corresponding diploma & education certification	The highest education requirements corresponding to the different levels of the students	In accordance to the level of studies being applied for.
	Chinese language students	Having complete learning experience from primary school to the highest level of education, and having got the corresponding diploma & education certification	High school graduate or above	18—40
	General advanced & senior advanced students	Having the highest diploma & certificate of study certified by the Ministry of Education	Students with bachelor degree or above. ,	18—40

2. Language Proficiency Requirements

Teaching method of academic students		Language proficiency level requirement for admission	Language proficiency level requirements when graduating
Academic students with qualifications	Chinese language teaching	Score at least 200 on the NEW HSK4	1. HSK6 of Chinese International Education major 2. HSK5 of other majors
	English language teaching	<p>Applicants are required to meet one of the conditions 1-3 below:</p> <ol style="list-style-type: none"> 1. The applicant's mother tongue or official language is English 2. The highest diploma is obtained through English teaching 3. Applicant must pass the international English test: 6.0 for IELTS (Academic) and no less than 5.5 points for a single subject; 85 points in TOEFL and no less than 20 points for a single subject or providing GRE scores . <p>If you cannot provide it above ,you need to take the entrance English proficiency test. If you fail to pass the test, you must have one year's Chinese preparatory study.</p>	<p>PhD & Master students must pass HSK level4 with score of 180 or above before graduating.</p> <p>Undergraduate students must pass HSK level 3 with score of 180 or above before graduating.</p>
Non-degree students	Preparatory students	Applicants with Chinese as the teaching language, but got no more than 200 points in HSK4, shall have a preparatory period of no less than one year.	Applicants can only enter the professional study after all the results are qualified. If you fail to pass HSK4 with score of 200, You need to study Chinese in the next year at your own expense.
	Chinese language students	For short-term Chinese learners, there is no requirement on their Chinese ability.	The certificate of study shall be issued to the students who have completed their studies and passed the examination.

General advanced & senior advanced students	For general and other course learners, the language level is subject to the specific program agreement	All results are qualified with obtained credits for relevant courses according to the agreement.
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IV. Application Materials and Admission Procedures

Before March 30, 2020, applicants should log in the online service system of Taiyuan University of Technology for international students at <http://is.tyut.edu.cn>, to register personal account, fill in and upload personal information online, and the electronic version of relevant certificates and supporting documents shall be HD scanned documents of the original, photocopies shall not be accepted. The admission time for academic students is autumn semester 2020 (usually September), while the admission time for language students is spring semester and autumn semester (March and September). If the information provided is not accurate or the information uploaded is incomplete, the application will be rejected or the approval of the subsequent application will be affected. All the consequences will be the applicant's own to bare. The required materials are as follows:

	Material for academic and preparatory students	Material for language learners
1	Provide scanning documents of passport photo pages and all visa use pages. The passport period shall be long enough.	Provide scanning documents of passport photo pages and all visa use pages. The passport period shall be long enough.
2	Resume, download resume template and fill it in English. (learning experience and work experience must be complete and continuous, and there must be no time gap between them. The narration of personal experience should be from primary school to the current stage.)	Resume, download resume template and fill it in English. (learning experience and work experience must be complete and continuous, and there must be no time gap between them. The narration of personal experience should be from primary school to the current stage.)
3	HSK proficiency certificate or English proficiency certificate	No need to provide.
4	provide English version of transcript, diploma and degree certificate. The original high-definition scanning copy of the highest academic record, graduation certificate and degree certificate.	provide English version of transcript, diploma and degree certificate. The original high-definition scanning copy of the highest academic record, graduation certificate and degree certificate.

5	1. Recommendation letters from two high school teachers are required for bachelor degree applicants; 2. Recommendation letters from two associate professors or above from the university are required for master's and doctor's degrees applicants.(teacher and school introduction and contact information should be attached)	No need to provide.
6	Proof of financial security: No less than the equivalent of 30,000 CNY or 4300 USD fixed funds in your personal statement of account or deposit account.(If there are no personal account, it can be guaranteed by parents and relatives)	Proof of financial security: No less than the equivalent of 30,000 CNY or 4300 USD fixed funds in your personal statement of account or deposit account.(If there are no personal account, it can be guaranteed by parents and relatives)
7	Physical examination report (valid within 3 months before application date)	Physical examination report(valid within 3 months before application date)
8	Non-criminal record certificate	Non-criminal record certificate
9	Master's and doctoral candidates are required to submit a PDF file of their highest degree certificates.	No need to provide.
	Note: Chinese government scholarship and Confucius institute scholarship students are required according to their respective application materials. http://www.campuschina.org http://cis.chinese.cn/	Language students who pass HSK4 can log in the system again and apply for the scholarship of graduates of our school.

V. Study Expenses

	Charging items	Charging standard	
Tuition standard	Academic students	Undergraduate	RMB15000 / year
		masters	RMB18000 / year
		doctors	RMB20000/ year
	Language learning students	A semester	RMB4000/ year
		An academic year	RMB8000 / year
Preparatory students	An academic year	RMB8000 / year	
Other charging standard	Medical insurance premiums	RMB800/person/year	
	Physical examination fee	RMB 415 / person	
	Residence permit fee	RMB800/person/year	
	Accommodation	A double room	RMB400/person/month

		A triple room	RMB300/person/month
		2+2 suits	RMB350/person/month
	The accommodation deposit	RMB500/person	

Explanation:

1. According to the requirements of the Ministry of Education, international students coming to China must purchase medical insurance during their study in China, otherwise they will not be able to register as normal.

2. According to the regulations of relevant Chinese authorities, international students who come to study in China must undergo physical examination. The specific standards shall be subject to the charging standards published by Shanxi International Travel Health Care Center. Only when the physical examination meets the requirements of our school can we go through the registration procedures.

VI. Scholarship setting

1. Scholarship for graduates from Taiyuan University of Technology

The scholarship of Taiyuan University of Technology in 2020 is divided into four levels. We will evaluate the comprehensive results based on the HSK score, individual academic research ability, interview results of major, transcripts of all the semesters of the highest academic degree and the awards.

The monthly living allowance standards are as follows:

Proportion set and issuing standard of scholarship living allowance of Taiyuan University of Technology (RMB/month)					
Scholarship grade		A	B	C	D
Scholarship proportion set		15%	25%	35%	25%
Academic students	undergraduates	1500	1000	800	0
	masters	2500	1800	1500	0
	doctors	3000	2500	2000	0

The scholarship for the first semester after registration will be awarded according to this scholarship standard. In the second semester, according to the scholarship evaluation standard of Taiyuan University of Technology, the scholarship grade shall be re-evaluated on the basis of the comprehensive evaluation score of students' education quality.

2. Scholarship for preparatory students of Taiyuan University of Technology

Preparatory students need to pay the tuition and accommodation fees for study in preparatory stage (1 academic year), and enjoy a living allowance of RMB500 per month

for 10 months. Only after the Chinese language ability and professional foundation meet the major requirements, can the students apply for the scholarship of the next academic year. After the students are officially admitted as an academic student, the students can apply for the scholarship for outstanding preparatory students based on HSK4 grades, HSKK(intermediate) grades and the weighted ranking of grades is as follows;

Level	A	B	C
Percentage	30%	30%	40%
Account(RMB)	8000	5000	3000

If preparatory students do not meet the requirements of the entrance to major, you need to re-study preparatory courses, tuition fees halved, but no longer can enjoy living allowance.

3. Other kinds of scholarship

Other national scholarships, such as Chinese government scholarships and Confucius institute scholarships, shall be granted in accordance with relevant national scholarship regulations.

Chinese government scholarship application website: www.campuschina.org

Confucius institute scholarship application website: <http://cis.chinese.cn/>

VII. Admission Process

Application Process for International Students at Taiyuan University of Technology

Step 1: the applicant should log in <http://is.tyut.edu.cn> , register the personal account online, Submit the application materials and correctly input the important information such as the passport information, contact information and mailing address.

Step 2: the school examines and verify the admission qualification and student materials. Students must present the certified documents of their academic qualifications issued by the Ministry of Education and the Chinese Embassy or Consulate in the country. The scanned original should be sent through the system along with the scanned document of the highest degree and transcript of the whole semesters.

Step 3: applicants who pass the preliminary examination will pay the registration fee.

Step 4: attend online interviews at professional schools.

Step 5: the school determines the pre-admission list and sends the pre-admission notice by E-mail.

Step 6: the admission list shall be determined. The school shall handle the approval of materials, such as JW201 or JW202 form, for the students to be admitted.

Step 7: after approval, the admission letters will be issued

Step 8: the school shall mail JW201 or JW202 form and the admission letter.

Step 9: students log in their personal accounts at <http://is.tyut.edu.cn> , and submit online application for station pick-up, accommodation and registration.

Note: Please pay attention to the website notice for the specific time of each work

The applicant will receive the following documents from our university after being accepted: admission notice, JW202/JW201 form and admission notice for the

registration. The applicant shall apply to the Chinese embassy or consulate for the "X" visa in China with the ordinary passport, admission notice, "application form for visa to China for foreign students" (JW202 or JW201 form), physical examination form and other required materials. Report to the university at the time specified in the admission notice. Students are required to register with the admission notice and the materials required in the registration notice

VIII. Address and Contact Information

School of International Education and Exchange, Taiyuan University of Technology
Address: 79 Yingze West St, Wanbailin District, Taiyuan City, Shanxi Province, China.

zip code: 030024

office phone: 0086-351-6010232

Fax No.: 0086-351-6018848

E-mail: ciee@tyut.edu.cn

Website: <http://ciee.tyut.edu.cn>



太原理工大学本科专业信息 Bachelor Programs

专业名称 Major	所在学院 College	学制(年) Duration (years)	授课语言 Teaching Language	招生人数 Enrolment	备注 Notes
International Economics and Trade	College of Economics and Management	4	Chinese/English	36	
International Chinese Education	College of Literature and Law	4	Chinese	35	
Civil Engineering	College of Civil Engineering	4	Chinese	16	
Computer Science and Technology	College of Information and Computer	4	Chinese/English	17	
Architecture	College of Architecture	5	Chinese	21	

In order to optimize the education of international students in Taiyuan University of technology, in 2020, the undergraduate international student education of our university will only recruit students for the above five majors, and the rest majors will not recruit students temporarily.



太原理工大学硕士专业信息 Master Programs

机械与运载工程学院 College of Mechanical and Vehicle Engineering					
专业代码 Major code	专业名称 Major	研究方向 Research direction	学制(年) Duration (years)	授课语言 Teaching Language	备注 Notes
080100	Dynamics	01Mechanics of solids	3	Chinese / English	
080100		02Dynamics and Control	3	Chinese / English	
080100		03Intersection of foundation mechanics and mechanics	3	Chinese / English	
080100		04Engineering Mechanics	3	Chinese / English	
080100		05Fluid mechanics	3	Chinese / English	
080200	Mechanical Engineering	01Mechanical Manufacturing and Automation	3	Chinese / English	
080200		02Mechatronics Electronics Engineering	3	Chinese / English	
080200		03Mechanical Design and Theory	3	Chinese / English	

080200		04Vehicle Engineering	3	Chinese / English	
080200		05Mining machinery and automation	3	汉语/英语	
专业代码 Major code	专业名称 Major	研究方向 Research direction	学制(年) Duration (years)	授课语言 Teaching Language	备注 Notes
080700	Power engineering and Engineering Thermophysics	01Performance and emission control of alternative fuel engines	3	Chinese / English	
080700		02Vehicle Power and Control	3	Chinese / English	
080700		03Modern Design and Analysis Method	3	Chinese / English	
085500	Vehicle Engineering	01mechanical engineering	3	Chinese / English	
085500		02Vehicle Engineering	3	Chinese / English	



材料科学与工程学院

College of Materials Science and Engineering

专业代码 Major code	专业名称 Major	研究方向 Research direction	学制(年) Duration (years)	授课语言 Teaching Language	备注 Notes
080500	Materials Science and Engineering	01Advanced material preparation and processing	3	Chinese / English	
080500		02High-strength lightweight alloy	3	Chinese / English	
080500		03Thin film materials and surface engineering	3	Chinese / English	
080500		04Energy and Environmental Materials	3	Chinese / English	
080500		05Material design and characterization	3	Chinese / English	
080500		06Optoelectronic materials and devices	3	Chinese / English	
080600	Metallurgical Engineering	01Iron and steel metallurgy	3	Chinese / English	
080600		02Nonferrous metallurgy	3	Chinese / English	
085600	Materials and Chemicals	01Materials Engineering	3	Chinese / English	

电气与动力工程学院
College of Electrical and Power Engineering

专业代码 Major code	专业名称 Major	研究方向 Research direction	学制(年) Duration (years)	授课语言 Teaching Language	备注 Notes
080700	Power engineering and Engineering Thermophysics	01Energy saving and environmental protection technology of energy system	3	Chinese / English	
080700		02Clean and efficient coal combustion technology	3	Chinese / English	
080700		03Fluid thermophysics	3	Chinese / English	
080700		04Enhanced heat and mass transfer	3	Chinese / English	
080800	Electrical engineering	01Power system and its automation	3	Chinese / English	
080800		02Motor and electric appliance	3	Chinese / English	
080800		03Power electronics and electrical drive	3	Chinese / English	
081100	Control science and Engineering	01Control theory and Control Engineering	3	Chinese / English	
081100		02Detection Technology and Automation	3	Chinese / English	
081100		03Pattern recognition and intelligent system	3	Chinese / English	
085400	Digital information	01Control engineering	3	Chinese / English	

专业代码 Major code	专业名称 Major	研究方向 Research direction	学制(年) Duration (years)	授课语言 Teaching Language	备注 Notes
085800	Energy Power	01Power Engineering	3	Chinese / English	
085800		02Electrical engineering	3	Chinese / English	

软件学院 College of Software					
专业代码 Major code	专业名称 Major	研究方向 Research direction	学制(年) Duration (years)	授课语言 Teaching Language	备注 Notes
083500	Software Engineering	01Software Intelligence Technology	3	Chinese / English	
083500		02Software Engineering and Services	3	Chinese / English	
083500		03Information and Big Data Engineering	3	Chinese / English	
085400	Digital information	01Software engineering	3	Chinese / English	

信息与计算机学院
College of Information and Computer

专业代码 Major code	专业名称 Major	研究方向 Research direction	学制(年) Duration (years)	授课语言 Teaching Language	备注 Notes
080900	Electronic Science and technology	01New Nanomaterials and Devices	3	Chinese / English	
080900		02Sensing and Integrated Testing Technology	3	Chinese / English	
080900		03Signal acquisition and processing technology	3	Chinese / English	
080900		04Embedded System	3	Chinese / English	
080900		05Brain Cognition and Neural Calculation	3	Chinese / English	
081000	Information and Communication Engineering	01Artificial Intelligence and Pattern Recognition	3	Chinese / English	
081000		02Communication Network Theory and Technology	3	Chinese / English	
081000		03Signal and Information Processing Theory	3	Chinese / English	
081000		04Satellite positioning and navigation system	3	Chinese / English	
081000		05Signal detection and recognition theory	3	Chinese / English	
081200	Computer science and technology	01Artificial intelligence	3	Chinese / English	

专业代码 Major code	专业名称 Major	研究方向 Research direction	学制(年) Duration (years)	授课语言 Teaching Language	备注 Notes
081200	Computer science and technology	02Brain Science and Intelligent Computing	3	Chinese / English	
081200		03Pattern recognition and visual big data analysis	3	Chinese / English	
081200		04Internet of things and information security	3	Chinese / English	
081200		05Software theory and intelligent optimization	3	Chinese / English	
085400	Digital information	01Electronics and Communication Engineering	3	Chinese / English	
085400		02Computer technology	3	Chinese / English	



土木工程学院
College of Civil Engineering

专业代码 Major code	专业名称 Major	研究方向 Research direction	学制(年) Duration (years)	授课语言 Teaching Language	备注 Notes
081400	Civil Engineering	01Geotechnical engineering	3	Chinese / English	
081400		02Structural engineering	3	Chinese / English	
081400		03Fire Disaster Reduction Engineering and Protection Engineering	3	Chinese / English	
081400		04Road and Bridge Engineering	3	Chinese / English	
081400		05Civil engineering material	3	Chinese / English	
081400		06Municipal engineering	3	Chinese / English	
081400		07Heating, gas, ventilation and air-conditioning works	3	Chinese / English	
085900		Civil Engineering and Water Resources	01Architecture and Civil Engineering	3	Chinese / English

水利科学与工程学院
College of Hydro Science and Engineering

专业代码 Major code	专业名称 Major	研究方向 Research direction	学制(年) Duration (years)	授课语言 Teaching Language	备注 Notes
081500	Water conservancy project	01Hydraulics and river dynamics	3	Chinese / English	
081500		02Water saving theory and technology	3	Chinese / English	
081500		03Efficient use and protection of water resources in semi-arid areas	3	Chinese / English	
081500		04Water conservancy and Hydropower Engineering	3	Chinese / English	
085900	Civil Engineering and Water Resources	01Water conservancy project	3	Chinese / English	

大数据学院
College of Big Data

专业代码 Major code	专业名称 Major	研究方向 Research direction	学制(年) Duration (years)	授课语言 Teaching Language	备注 Notes
0802J4	Data Science and Technology	01Big Data of Industrial Intelligence and Spatial Information	3	Chinese / English	
0802J4		02Internet of things and big data technology	3	Chinese / English	
0802J4		03Social governance big data	3	Chinese / English	

085400	Digital information	01Software engineering	3	Chinese / English	
化学化工学院 College of Chemistry and Chemical Engineering					
专业代码 Major code	专业名称 Major	研究方向 Research direction	学制(年) Duration (years)	授课语言 Teaching Language	备注 Notes
070300	Chemistry	01Synthetic chemistry	3	Chinese / English	
070300		02Green Catalysis and Energy Chemistry	3	Chinese / English	
070300		03Pollution Control and Environmental Chemistry	3	Chinese / English	
080700	Power engineering and Engineering Thermophysics	01Process industry unit equipment and energy saving technology	3	Chinese / English	
080700		02Energy and Power System Optimization and Intelligent Control	3	Chinese / English	
081700	Chemical engineering and technology	01Heterogeneous Catalysis and Materials Chemistry	3	Chinese / English	
081700		02Efficient use of coal / coalbed methane / biomass energy	3	Chinese / English	
081700		03Photocatalytic materials and reaction engineering	3	Chinese / English	
081700		04Functional polymers and membrane materials	3	Chinese / English	
081700		05Fine Chemical Synthesis and Application	3	Chinese / English	

081700		06Preparation and Application of Inorganic Functional Materials	3	Chinese / English	
085600	Materials and Chemicals	01Chemical engineering	3	Chinese / English	
矿业工程学院 College of Mining Engineering					
专业代码 Major code	专业名称 Major	研究方向 Research direction	学制(年) Duration (years)	授课语言 Teaching Language	备注 Notes
080100	Dynamics	01Fluid mechanics of mine rock	3	Chinese / English	
080100		02Structural Mechanics of Underground Engineering	3	Chinese / English	
080100		03Rock dynamics	3	Chinese / English	
080100		04Engineering Computational Mechanics	3	Chinese / English	
081600	Surveying and Mapping Science and technology	01Multi-scale GIS theory and implementation technology	3	Chinese / English	
081600		02Digital City Theory and Key Technologies	3	Chinese / English	
081600		03Integrated technologies and applications	3	Chinese / English	
081600		04Interpretation mechanism and processing of remote sensing image	3	Chinese / English	

081600		05Spatial data acquisition method and data processing	3	Chinese / English	
081800	Geological resources and geological engineering	01Coalfield, petroleum geology and exploration	3	Chinese / English	
081800		02Geological Engineering and Geological Hazards	3	Chinese / English	
专业代码 Major code	专业名称 Major	研究方向 Research direction	学制(年) Duration (years)	授课语言 Teaching Language	备注 Notes
081800	Geological resources and geological engineering	03Applied Geophysics and Geophysical Exploration	3	Chinese / English	
081800		04Application and Environmental Geochemistry	3	Chinese / English	
081800		05Geological Information Engineering	3	Chinese / English	
081800		06Sedimentary and tectonic geology	3	Chinese / English	
081900		Biomedical Engineering	01Mining engineering	3	Chinese / English
081900	02Underground engineering		3	Chinese / English	
081900	03Coal mine electrical and Mechanical Engineering		3	Chinese / English	
081900	04Mineral processing engineering		3	Chinese / English	
085700	Resources and environment	01Geological Engineering	3	Chinese / English	

085700		02Mining engineering	3	Chinese / English	
085700		03Surveying Engineering	3	Chinese / English	

<p style="text-align: center;">环境科学与工程学院 College of Environmental Science and Engineering</p>					
专业代码 Major code	专业名称 Major	研究方向 Research direction	学制(年) Duration (years)	授课语言 Teaching Language	备注 Notes
083000	Environmental Science and Engineering	01Water pollution control and water quality safety guarantee	3	Chinese / English	
083000		02Emission Reduction and Treatment of Air Pollutants	3	Chinese / English	
083000		03Solid waste treatment and disposal	3	Chinese / English	
083000		04Ecological restoration and environmental planning and evaluation	3	Chinese / English	
083000		05Environmental Chemistry and Materials	3	Chinese / English	
085700	Resources and environment	01Environmental Engineering	3	Chinese / English	

数学学院
College of Mathematics

专业代码 Major code	专业名称 Major	研究方向 Research direction	学制(年) Duration (years)	授课语言 Teaching Language	备注 Notes
070100	Mathematics	01Functional analysis and its application	3	Chinese / English	
070100		02Partial differential equation and its application	3	Chinese / English	
070100		03Engineering Computing and Industrial Big Data	3	Chinese / English	
070100		04Operations Research and Decision	3	Chinese / English	
071400	Statistics	01Mathematical statistics and its application	3	Chinese / English	
071400		02High-dimensional statistics and data mining	3	Chinese / English	
071400		03Statistical Modeling and Data Analysis	3	Chinese / English	
071400		04Biostatistics and dynamics	3	Chinese / English	

经济管理学院
College of Economics and Management

专业代码 Major code	专业名称 Major	研究方向 Research direction	学制(年) Duration (years)	授课语言 Teaching Language	备注 Notes
120100	Management science and Engineering	01Energy Engineering Management	3	Chinese / English	
120100		02Technology and Innovation Management	3	Chinese / English	
120100		03Risk management and optimization decisions	3	Chinese / English	
120100		04Information Management and Management Information System	3	Chinese / English	
120200	Business Administration	01Business management	3	Chinese / English	
120200		02Accounting	3	Chinese / English	
120200		03Technology Economy and Management	3	Chinese / English	
120200		04Logistics and supply chain management	3	Chinese / English	
125100	Business Administration	00Do Not Distinguish Direction	3	Chinese / English	
125300	Accounting	00Do Not Distinguish Direction	3	Chinese / English	
125601	Engineering Management	00Do Not Distinguish Direction	3	Chinese / English	
125603	Industrial Engineering and Management	00Do Not Distinguish Direction	3	Chinese / English	

体育学院
College of Physical Education

专业代码 Major code	专业名称 Major	研究方向 Research direction	学制(年) Duration (years)	授课语言 Teaching Language	备注 Notes
040300	Sports Science	01Social Management and Human Development in Sports Participation	3	Chinese / English	
040300		02Research on Promotion of Human Physical Health	3	Chinese / English	
040300		03Physical-medical integration promotes the realization of motor function	3	Chinese / English	
040300		04Theory and method of physical education training	3	Chinese / English	
040300		05Construction and training of high-level sports teams	3	Chinese / English	
040300		06Protection and Development of National Traditional Sports Culture	3	Chinese / English	
040300		07Horse racing and industrial development	3	Chinese / English	
045201	Physical Education	00Not Distinguish Direction	3	Chinese / English	
045202	Sports Training	00Not Distinguish Direction	3	Chinese / English	
045204	Social Sports Guidance	00Not Distinguish Direction	3	Chinese / English	

煤科学与技术国家重点实验室培育基地

Cultivation base of National Key Laboratory of coal science and technology

专业代码 Major code	专业名称 Major	研究方向 Research direction	学制(年) Duration (years)	授课语言 Teaching Language	备注 Notes
070300	Chemistry	01Synthetic chemistry	3	Chinese / English	
070300		02Green Catalysis and Energy Chemistry	3	Chinese / English	
070300		03Pollution Control and Environmental Chemistry	3	Chinese / English	
081700	Chemical engineering and technology	01Efficient use of coal / coalbed methane / biomass energy	3	Chinese / English	
081700		02Photocatalytic materials and reaction engineering	3	Chinese / English	
081700		03Functional polymers and membrane materials	3	Chinese / English	
081700		04Fine Chemical Synthesis and Application	3	Chinese / English	
081700		05Heterogeneous Catalysis and Materials Chemistry	3	Chinese / English	
081700		06Preparation and Application of Inorganic Functional Materials	3	Chinese / English	
085600	Materials and Chemicals	01Chemical engineering	3	Chinese / English	

原位改性采矿教育部重点实验室

In-situ Modification of Deposit Properties for improving Mining

专业代码 Major code	专业名称 Major	研究方向 Research direction	学制(年) Duration (years)	授课语言 Teaching Language	备注 Notes
080100	Dynamics	01Fluid mechanics of mine rock	3	Chinese / English	
080100		02Structural Mechanics of Underground Engineering	3	Chinese / English	
080100		03Rock dynamics	3	Chinese / English	
080100		04Engineering Computational Mechanics	3	Chinese / English	
081900	Biomedical Engineering	01Mining engineering	3	Chinese / English	
081900		02Underground engineering	3	Chinese / English	
081900		03Coal mine electrical and Mechanical Engineering	3	Chinese / English	
081900		04Mineral processing engineering	3	Chinese / English	
085700	Resources and environment	01Mining engineering	3	Chinese / English	

新型传感器与智能控制教育部重点实验室

Key Laboratory of Advanced Transducers and Intelligent Control System, Ministry of Education

专业代码 Major code	专业名称 Major	研究方向 Research direction	学制(年) Duration (years)	授课语言 Teaching Language	备注 Notes
080300	Optical engineering	01Generation and application of chaotic laser	3	Chinese / English	
080300		02Optical fiber sensing and water temperature detection	3	Chinese / English	
080300		03Optoelectronic devices and photon manipulation	3	Chinese / English	
080300		04Micro-nano sensing technology and devices	3	Chinese / English	
080400	Instrument Science and Technology	01Measurement and Control Technology and Instruments	3	Chinese / English	
080400		02Test sensing and image processing	3	Chinese / English	
080400		03Detection of ice and snow hydrological and micrometeorological environmental parameters	3	Chinese / English	
081100	Control science and Engineering	01Research on New Sensors, Automatic Instruments and Detection Systems	3	Chinese / English	
081100		02Acquisition and processing of detection signals	3	Chinese / English	

081100		03Intelligent detection technology and device	3	Chinese / English	
081100		04Distributed computer control system	3	Chinese / English	
专业代码 Major code	专业名称 Major	研究方向 Research direction	学制(年) Duration (years)	授课语言 Teaching Language	备注 Notes
081100	Control science and Engineering	05Smart meters and applications	3	Chinese / English	
085400	Digital information	01Control engineering	3	Chinese / English	
085400		02Optical engineering	3	Chinese / English	
085400		03Integrated Circuit Engineering	3	Chinese / English	

物理与光电工程学院 College of Physics and Optoelectronics					
专业代码 Major code	专业名称 Major	研究方向 Research direction	学制(年) Duration (years)	授课语言 Teaching Language	备注 Notes
070200	Physics	01Condensed matter physics	3	Chinese / English	
070200		02Optics	3	Chinese / English	
070200		03Theoretical physics	3	Chinese / English	
080300	Optical engineering	01Generation and application of chaotic laser	3	Chinese / English	

080300		02Optical fiber sensing technology and water temperature detection	3	Chinese / English	
080300		03Optoelectronic devices and photon manipulation	3	Chinese / English	
080300		04Micro-nano photoelectric detection technology	3	Chinese / English	
080400	Instrument Science and Technology	01Measurement and Control Technology and Instruments	3	Chinese / English	
080400		02Test sensing and image processing	3	Chinese / English	
080400		03Detection of ice and snow hydrological and micrometeorological environmental parameters	3	Chinese / English	
085400	Digital information	01Control engineering	3	Chinese / English	
专业代码 Major code	专业名称 Major	研究方向 Research direction	学制(年) Duration (years)	授课语言 Teaching Language	备注 Notes
085400	Digital information	02Optical engineering	3	Chinese / English	
085400		03Integrated Circuit Engineering	3	Chinese / English	

生物医学工程学院

College of Biomedical Engineering

专业代码 Major code	专业名称 Major	研究方向 Research direction	学制(年) Duration (years)	授课语言 Teaching Language	备注 Notes
083100	Biomedical Engineering	01Biomechanics and rehabilitation engineering	3	Chinese / English	
083100		02Cell and tissue engineering	3	Chinese / English	
083100		03Biomaterials	3	Chinese / English	
083100		04Bioinformatics and biomedical precision detection	3	Chinese / English	
083100		05Bio-pharmacy	3	Chinese / English	
085500	Vehicle Engineering	01Biomedical Engineering	3	Chinese / English	

马克思主义学院

College of Marxism

专业代码 Major code	专业名称 Major	研究方向 Research direction	学制(年) Duration (years)	授课语言 Teaching Language	备注 Notes
030500	Marx theory	01Basic principles of Marxism	3	Chinese / English	
030500		02Research on Sinicization of Marxism	3	Chinese / English	

030500		03Research on the Basic Issues of Chinese Modern History	3	Chinese / English	
030500		04Ideological and political education	3	Chinese / English	

轻纺工程学院 College of Textile Engineering					
专业代码 Major code	专业名称 Major	研究方向 Research direction	学制(年) Duration (years)	授课语言 Teaching Language	备注 Notes
082100	Textile Science and Engineering	01Textile material	3	Chinese / English	
082100		02Textile Engineering	3	Chinese / English	
082100		03Fashion Design and Engineering	3	Chinese / English	

外国语学院 College of Foreign Languages					
专业代码 Major code	专业名称 Major	研究方向 Research direction	学制(年) Duration (years)	授课语言 Teaching Language	备注 Notes
050200	Foreign language and Literature	01Foreign Language Education and Second Language Acquisition	3	Chinese / English	

050200		02Discourse and Discourse Studies	3	Chinese / English	
050200		03Foreign Literature and Intercultural Studies	3	Chinese / English	
050200		04Translation Theory and Practice	3	Chinese / English	
055101	English translation	00Do Not Distinguish Direction	3	Chinese / English	
055105	Japanese translation	00Do Not Distinguish Direction	3	Chinese / English	



艺术学院
College of Art

专业代码 Major code	专业名称 Major	研究方向 Research direction	学制(年) Duration (years)	授课语言 Teaching Language	备注 Notes
1305L1	Art Design	01Study on Habitat Environment and Art Heritage	3	Chinese / English	
1305L1		02Visual Communication and Media Art Studies	3	Chinese / English	
1305L1		03Product design and handicraft research	3	Chinese / English	
135107	Art	00Do Not Distinguish Direction	3	Chinese / English	
135107		01Chinese painting	3	Chinese / English	
135107		02painting	3	Chinese / English	
135108	Design Art	00Do Not Distinguish Direction	3	Chinese / English	
135108		01Environmental design	3	Chinese / English	
135108		02Visual Communication and Digital Media Art Design	3	Chinese / English	
135108		03Handicraft and Product Design	3	Chinese / English	

新材料界面科学与工程教育部重点实验室

Key Laboratory of Interface Science and Engineering in Advanced Materials Ministry of Education

专业代码 Major code	专业名称 Major	研究方向 Research direction	学制(年) Duration (years)	授课语言 Teaching Language	备注 Notes
080500	Materials Science and Engineering	01Advanced material preparation and processing	3	Chinese / English	
080500		02High-strength lightweight alloy	3	Chinese / English	
080500		03Thin film materials and surface engineering	3	Chinese / English	
080500		04Energy and Environmental Materials	3	Chinese / English	
080500		05Material design and characterization	3	Chinese / English	
080500		06Optoelectronic materials and devices	3	Chinese / English	
085600	Materials and Chemicals	01Materials Engineering	3	Chinese / English	

安全与应急管理工程学院

College of Safety and Emergency Management Engineering

专业代码 Major code	专业名称 Major	研究方向 Research direction	学制(年) Duration (years)	授课语言 Teaching Language	备注 Notes
083700	Safety Science and Engineering	01Safety Management and Systems Engineering	3	Chinese / English	
083700		02Emergency Theory and Technology	3	Chinese / English	
083700		03Intelligent ventilation and dust prevention	3	Chinese / English	
083700		04Disaster prevention theory and technology	3	Chinese / English	
083700		05Energy Conversion Safety Theory and Technology	3	Chinese / English	
085700	Resources and environment	01Safety Engineering	3	Chinese / English	

建筑学院
College of Architecture

专业代码 Major code	专业名称 Major	研究方向 Research direction	学制(年) Duration (years)	授课语言 Teaching Language	备注 Notes
081300	Architecture	01Architectural design and theory	3	Chinese / English	
081300		02Building science and technology	3	Chinese / English	
081300		03Architectural heritage protection theory and method	3	Chinese / English	
083300	Urban and rural planning	01Urban and rural planning and design	3	Chinese / English	
083300		02Settlement heritage protection plan	3	Chinese / English	
083300		03Urban and Rural Planning Technology	3	Chinese / English	
085100	Architecture	00Do Not Distinguish Direction	3	Chinese / English	

新型碳材料研究院
Institute of New Carbon Materials

专业代码 Major code	专业名称 Major	研究方向 Research direction	学制(年) Duration (years)	授课语言 Teaching Language	备注 Notes
080500	Materials Science and Engineering	01Thin film materials and surface engineering	3	Chinese / English	
080500		02Energy and Environmental Materials	3	Chinese / English	
080500		03Material design and characterization	3	Chinese / English	
080500		04Diamond and related carbon materials	3	Chinese / English	
085600	Materials and Chemicals	01Materials Engineering	3	Chinese / English	



太原理工大学博士专业信息

Doctoral Programs

机械与运载工程学院					
College of Mechanical and Vehicle Engineering					
专业代码 Major code	专业名称 Major	学科方向 Discipline direction	学制(年) Duration (years)	授课语言 Teaching Language	备注 Notes
080200	Mechanical Engineering	01 Mechatronics Electronics Engineering	3	Chinese/English	
080200		02 Mechanical Design and Theory	3	Chinese/English	
080200		03 Mechanical Manufacturing and Automation	3	Chinese/English	
080200		04 Mining machinery and automation	3	Chinese/English	
080200		05 Vehicle Engineering	3	Chinese/English	
080100	Dynamics	01 Dynamics and Control	3	Chinese/English	
080100		02 Mechanics of solids	3	Chinese/English	
080100		03 Intersection of foundation mechanics and mechanics	3	Chinese/English	

材料科学与工程学院 College of Materials Science and Engineering					
专业代码 Major code	专业名称 Major	学科方向 Discipline direction	学制(年) Duration (years)	授课语言 Teaching Language	备注 Notes
080500	Materials Science and Engineering	01 Materials physics and chemistry	3	Chinese/English	
080500		02 Material science	3	Chinese/English	
080500		03 Materials processing engineering	3	Chinese/English	

电气与动力工程学院 College of Electrical and Power Engineering					
专业代码 Major code	专业名称 Major	学科方向 Discipline direction	学制(年) Duration (years)	授课语言 Teaching Language	备注 Notes
080800	Electrical engineering	01 Motor and electric appliance	3	Chinese/English	
080800		02 Power system and its automation	3	Chinese/English	
080800		03 Power electronics and electrical drive	3	Chinese/English	
080800		04 Advanced energy technology and control engineering	3	Chinese/English	

信息与计算机学院
College of Information and Computer

专业代码 Major code	专业名称 Major	学科方向 Discipline direction	学制(年) Duration (years)	授课语言 Teaching Language	备注 Notes
080900	Electronic Science and technology	01 Micro-nano sensing technology and devices	3	Chinese/English	
080900		02 Circuits and Systems	3	Chinese/English	
080900		03 Physical electronics	3	Chinese/English	
081203	Computer Application Technology	01 Brain Cognition and Intelligent Analysis of Medical Imaging Applications	3	Chinese/English	
081203		02 Big data system and Application	3	Chinese/English	
081203		03 Intelligent perception and Internet of things security	3	Chinese/English	

土木工程学院
College of Civil Engineering

专业代码 Major code	专业名称 Major	学科方向 Discipline direction	学制(年) Duration (years)	授课语言 Teaching Language	备注 Notes
081400	Civil Engineering	01 Structural engineering	3	Chinese/English	
081400		02 Geotechnical engineering	3	Chinese/English	
081400		03 Fire Disaster Reduction Engineering and Protection Engineering	3	Chinese/English	
081400		04 Civil Engineering Material	3	Chinese/English	

水利科学与工程学院
College of Water Conservancy Science and Engineering

专业代码 Major code	专业名称 Major	学科方向 Discipline direction	学制(年) Duration (years)	授课语言 Teaching Language	备注 Notes
081500	Water conservancy project	01 Hydraulics and river dynamics	3	Chinese/English	
081500		02 Water saving theory and technology	3	Chinese/English	
081500		03 Efficient use and protection of water resources in semi-arid areas	3	Chinese/English	

化学化工学院
College of Chemistry and Chemical Engineering

专业代码 Major code	专业名称 Major	学科方向 Discipline direction	学制(年) Duration (years)	授课语言 Teaching Language	备注 Notes
081700	Chemical engineering and technology	01 Chemical Engineering	3	Chinese/English	
081700		02 Chemical process	3	Chinese/English	
081700		03 Industrial Catalysis	3	Chinese/English	
081700		04 Application of chemical	3	Chinese/English	



矿业工程学院
College of Mining Engineering

专业代码 Major code	专业名称 Major	学科方向 Discipline direction	学制(年) Duration (years)	授课语言 Teaching Language	备注 Notes
081800	Geological resources and geological engineering	01 Mineral resource prospecting and exploration	3	Chinese/English	
081800		02 Earth Exploration and Information Technology	3	Chinese/English	
081800		03 Geological Engineering	3	Chinese/English	
081800		04 Geological Information Technology and Engineering	3	Chinese/English	
081900	Biomedical Engineering	01 In-situ modification of deposit properties for improving mining	3	Chinese/English	
081900		02 Green and efficient coal mining	3	Chinese/English	
081900		03 Efficient processing and utilization of coal	3	Chinese/English	
081900		04 Mine pressure and rock formation control	3	Chinese/English	
081900		05 Coalbed Methane Exploitation and Mine Safety	3	Chinese/English	

环境科学与工程学院
College of Environmental Science and Engineering

专业代码 Major code	专业名称 Major	学科方向 Discipline direction	学制(年) Duration (years)	授课语言 Teaching Language	备注 Notes
083000	Environmental Science and Engineering	01Environmental Engineering	3	Chinese/English	
083000		02Environmental Science	3	Chinese/English	
083000		03Control and Comprehensive Utilization of Coal-based Pollutants	3	Chinese/English	
083000		04Energy conservation and emission reduction and renewable energy utilization	3	Chinese/English	



经济管理学院
College of Economics and Management

专业代码 Major code	专业名称 Major	学科方向 Discipline direction	学制(年) Duration (years)	授课语言 Teaching Language	备注 Notes
120100	Management science and Engineering	01Energy Engineering Management	3	Chinese/English	
120100		02Technology and Innovation Management	3	Chinese/English	
120100		03Risk management and optimization decisions	3	Chinese/English	
120100		04Theory and Application of Complex Systems	3	Chinese/English	

煤科学与技术国家重点实验室培育基地
Cultivation base of National Key Laboratory of coal science and technology

专业代码 Major code	专业名称 Major	学科方向 Discipline direction	学制(年) Duration (years)	授课语言 Teaching Language	备注 Notes
081700	Chemical engineering and technology	01Chemical Engineering	3	Chinese/English	
081700		02High-efficiency coal conversion catalyst and its key technologies	3	Chinese/English	
081700		03Chemical process (Coal chemical industry)	3	Chinese/English	
081700		04Application of chemical	3	Chinese/English	

原位改性采矿教育部重点实验室

In-situ Modification of Deposit Properties for improving Mining

专业代码 Major code	专业名称 Major	学科方向 Discipline direction	学制(年) Duration (years)	授课语言 Teaching Language	备注 Notes
080100	Dynamics	01Engineering mechanics	3	Chinese/English	
081900	Biomedical Engineering	01In-situ modification of deposit properties for improving mining	3	Chinese/English	
081900		02Coalbed Methane Exploitation and Mine Safety	3	Chinese/English	
081900		03Green and efficient coal mining	3	Chinese/English	
081900		04Mine pressure and rock formation control	3	Chinese/English	

新型传感器与智能控制教育部重点实验室

Key Laboratory of Advanced Transducers and Intelligent Control System, Ministry of Education

专业代码 Major code	专业名称 Major	学科方向 Discipline direction	学制(年) Duration (years)	授课语言 Teaching Language	备注 Notes
080300	Optical engineering	01Generation and application of chaotic laser	3	Chinese/English	
080300		02Optical fiber sensing and water temperature detection	3	Chinese/English	
080300		03Optoelectronic devices and photon manipulation	3	Chinese/English	
080300		04Trace Photoelectric Detection Technology	3	Chinese/English	

物理与光电工程学院
College of Physics and Optoelectronics

专业代码 Major code	专业名称 Major	学科方向 Discipline direction	学制(年) Duration (years)	授课语言 Teaching Language	备注 Notes
080300	Optical engineering	01Generation and application of chaotic laser	3	Chinese/English	
080300		02Optical fiber sensing and water temperature detection	3	Chinese/English	
080300		03Optoelectronic devices and photon manipulation	3	Chinese/English	

生物医学工程学院
College of Biomedical Engineering

专业代码 Major code	专业名称 Major	学科方向 Discipline direction	学制(年) Duration (years)	授课语言 Teaching Language	备注 Notes
083100	Biomedical Engineering	01Biomechanics	3	Chinese/English	
083100		02Cell and tissue engineering	3	Chinese/English	
083100		03Biological system dynamics	3	Chinese/English	
083100		04Biomedical precision testing and instruments	3	Chinese/English	

新材料界面科学与工程教育部重点实验室 Key Laboratory of Interface Science and Engineering in Advanced Materials Ministry of Education					
专业代码 Major code	专业名称 Major	学科方向 Discipline direction	学制(年) Duration (years)	授课语言 Teaching Language	备注 Notes
080500	Materials Science and Engineering	01Materials physics and chemistry	3	Chinese/English	
080500		02Material science	3	Chinese/English	
080500		03Materials processing engineering	3	Chinese/English	

大数据学院 College of Big Data					
专业代码 Major code	专业名称 Major	研究方向 Research direction	学制(年) Duration (years)	授课语言 Teaching Language	备注 Notes
0802J4	Data Science and Technology	01Data mining and analysis	3	Chinese/English	
0802J4		02Cloud computing and big data processing	3	Chinese/English	
0802J4		03Intelligent perception and pattern recognition	3	Chinese/English	

安全与应急管理工程学院
College of Safety and Emergency Management Engineering

专业代码 Major code	专业名称 Major	学科方向 Discipline direction	学制(年) Duration (years)	授课语言 Teaching Language	备注 Notes
083700	Safety Science and Engineering	01Coalbed Methane Exploitation and Mine Gas Control	3	Chinese/English	
083700		02Mine fire mechanism and prevention technology	3	Chinese/English	
083700		03Intelligent ventilation and dust prevention in mines	3	Chinese/English	
083700		04Disaster prevention and mitigation and emergency management	3	Chinese/English	
083700		05Safety Management and Systems Engineering	3	Chinese/English	

医工结合创新研究院
Medical-Industrial Innovation Institute

专业代码 Major code	专业名称 Major	学科方向 Discipline direction	学制(年) Duration (years)	授课语言 Teaching Language	备注 Notes
100207	Imaging and Nuclear Medicine	01Cardiac nuclear medicine	3	Chinese/English	
100210	Surgery	01Tumor of urinary system	3	Chinese/English	
081203	Computer Application Technology	01Big data system and Application	3	Chinese/English	

083100	Biomedical Engineering	01Biomechanics	3	Chinese/English	
083100		02Cell and tissue engineering	3	Chinese/English	

注：如有问题，请联系太原理工大学国际学生招生考试办公室。 邮箱： ciee@tyut.edu.cn 电话：0086-351-6010232

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For further information, please email Foreign Students Admission & Scholarship Office, TYUT to studyintyut@tyut.edu.cn or ciee@tyut.edu.cn , call us at 0086-351-6018838 or log on at the website <http://ciee.tyut.edu.cn>.

