



Academic Education Programs Sponsored by Ministry of Commerce PRC



Beijing Jiaotong University

**2024 Master's Program
of Traffic and Transportation**
(Listed in CSC system as
"Communications and Transportation")

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I Program Description

1. General information

1.1 Brief introduction

Academic Degree Education Programs for developing countries sponsored by the Ministry of Commerce of People's Republic of China were established in 2008, with the utilization of foreign aid from the Government of China. Aimed at nurturing top-tier, interdisciplinary, and application-oriented talents in various domains including politics, economy and trade, diplomacy, agriculture, science, education, culture, health, energy and transportation, and public administration, the programs endeavor to furnish the recipient countries with intellectual support essential for their economic and social development. The programs offer one-year and two-year Master's degree programs, along with three-year Doctoral degree programs, focusing on providing financial assistance for in-service government officials, academic institution researchers, and senior managers in related fields from the recipient countries to pursue English-taught Master's and Doctoral degrees in China. Given the short duration of the programs, applicants are required to have a Bachelor's degree and relevant working experiences to ensure a comprehensive grasp of the lectures and course materials. In addition, decent health condition is imperative for the applicants to adjust well in the high-compact academic schedule, and finally get their degree.

This program is playing an increasing role in economic and trade cooperation and development between the participants' countries and China, and is highly valued by the recipient governments.

The Master's Program of Traffic and Transportation (Listed in CSC system as "Communications and Transportation") of Beijing Jiaotong University (BJTU) is anchored in the discipline of Traffic and Transportation, a hallmark of BJTU's discipline. With a history of over 120 years, it has had a global academic reputation and influence particularly in the field of railway operations management, traffic

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engineering. The teaching and research team deeply participated in the entire development process of China's railways, including engaging in research and breakthroughs in urban traffic planning, road network design and optimization, traffic signal control systems, intelligent transportation systems, and logistics planning during China's urbanization. These efforts have contributed to the intelligent and sustainable development of future transportation systems. Students admitted to the Master Program of Traffic and Transportation (Listed in CSC system as "Communications and Transportation") will systematically learn the fundamental theories and technical methods of transportation operation and management under the guidance of supervisors. Through participating in scientific research and engineering practice, they will develop the ability to conduct independent scientific research, thus becoming professionals and capable of handling various challenges in transportation operation and management.

We believe that achieving the degrees by attending the program, you will embrace a successful and brighter future.

1.2 Prospective Students

Government officials of division level (including division level) and above, heads of academic institutions at the department director level or above, or administrative staff of equivalent rank.

1.3 Program Objectives

To cultivate high qualified, interdisciplinary, and application-oriented talents in field of traffic and transportation.

1.4 Enrollment Plan

The Master Program of Traffic and Transportation (Listed in CSC system as "Communications and Transportation") is a two-year program, consisted of course study and professional research practice. This year, we have planned to enroll up to 20

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students in our master program. The instruction of the courses, the writing and assessment of project reports and the language of the dissertation and the graduation defence will all in English.

1.5 Financial Aid

(1) The scholarship covers tuition, teaching materials expenses, researching and investigation fee, thesis guidance fees, subsidies for English-taught programs etc.

(2) Accommodation will be provided by Beijing Jiaotong University free of charge.

(3) In terms of living expenses, it is 36000 RMB/year/person for the Master's program, and 42000 RMB/year/person for the Doctoral program.

(4) There is also a settlement allowance of 3000 RMB per person.

(5) Comprehensive medical insurance is also covered and the university will purchase the insurance for each student.

(6) The scholarship also includes round-trip international airfare for all the students (for one-year program, the scholarship will cover one time round-trip international airfare, for programs lasting 2 years or more, the scholarship will cover one round-trip international air ticket and $n-1$ (n being the number of academic years) round-trip tickets to return home for family visits.

(7) All students should take annual review. Students who successfully pass exams and meet the standards will continue to get the full scholarship.

(8) Other fees will be managed by the Ministry of Commerce or BJTU, and will not be given to students. Ministry of commerce will only provide scholarship for students within the standard duration of the program. Students who delay their graduation for any reasons will not receive continuous scholarship.

2. Overview of the University

2.1 Brief introduction of BJTU

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Founded in 1896, Beijing Jiaotong University (formerly Northern Jiaotong University) is one of the three sources of Jiaotong Universities, the first higher education institution specializing in the training of management personnel in China, and the birthplace of modern railway management and telecommunication education in China. BJTU is a multidisciplinary national key university, and is one of the first universities in China to confer doctoral and master's degrees. The

university has advantages in the disciplines of information and management, and features transportation science and technology. After 120 years' development, BJTU has become an important base for cultivating talents for social and economic construction, especially for the modernization of rail transportation.

BJTU has 3,151 full-time teaching staff, including 2,049 full-time teachers (1,504 with professional and technical titles of associate senior and above, and 1,959 with master's degree or above). The university has 3,160 active faculty members, including 2,024 full-time teachers (1,504 with associate senior and above professional and technical titles, and 1,990 with master's degree or above). There are 3 academicians of the Chinese Academy of Sciences, 9 academicians of the Chinese Academy of Engineering, 1 foreign academician of the Chinese Academy of Engineering, 5 national teaching masters, 6 members of the Academic Degrees Committee of the State Council Discipline Evaluation Group, 71 teachers selected for various national major talent projects, and 2 talents of “four batch” training project of the Publicity Department of the Communist Party of China.

Beijing Jiaotong University attaches great importance to the international education so as to bring out the power of a multidisciplinary system with bachelor, master, doctoral

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programs and preparatory programs in the fields of engineering, management, economy, science, arts, law, and philosophy. A variety of scholarships are available for international students, such as Chinese Government Scholarship, Confucius Institute Scholarship, Beijing Municipal Government Scholarship and BJTU Scholarship for international students. Up to 2023, there are nearly 1400 international students from over 100 countries studying at BJTU.

BJTU has three campuses, in Haidian District, Beijing; Weihai City, Shandong Province and Tangshan City, Hebei Province. Adjacent to the functional core area of the capital city, the Beijing campus is strategically located very close to the center of Beijing, with plenty of on-campus dormitory rooms and convenient living facilities. As an international campus, Weihai Campus is only 5.5 kilometers away from beach with beautiful environment and fresh air. It provides the students with excellent campus accommodation at lower cost. Tangshan Campus, is located at the center of Tangshan City, which is part of the Beijing-Tianjin-Hebei Coordinated Development Zone.

Home page of BJTU: <http://www.bjtu.edu.cn>

College of international education: <http://cie.bjtu.edu.cn>

2.2 Brief introduction of STT

School of Traffic and Transportation was founded in the same year as Beijing Jiaotong University, which is the birthplace of modern railway management education in China. After more than a hundred years of accumulation, it has formed a high-level teaching and research team with railways as its strengths and characteristics, covering various modes of transportation such as highways, urban railways and civil aviation. School of Traffic and Transportation has established a high-level talent training system focusing on the field of transportation and expanding to logistics, e-commerce, safety science and engineering, and control science and engineering. At present, there are 220 faculty members in the STT, including 34 full-time and part-time

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management positions, 180 teaching and research staff, and 6 staff in the Transportation Research Center. There are 61 professors and 86 associate professors. Over the past one hundred years, School of Traffic and Transportation has produced more than 20,000 graduates, including about 1,600 junior college students, more than 11,680 undergraduates, and about 6,700 postgraduates (including doctoral students, Masters of Engineering, and international students).

In terms of postgraduate training and discipline construction, School of Traffic and Transportation has three postdoctoral research stations, three first-level disciplines of doctoral programs, two first-level disciplines and four second-level disciplines of master's programs, and two professional master's programs. It has been ranked the first in the world for fifth times in the 2018-2023 Shanghai Ranking, and won the "Golden Carriage International Transportation Award" in 2019 (the only university and the only Chinese organization to be awarded the Outstanding Contribution to Transportation Award).

School of Traffic and Transportation has established teaching and research cooperation and exchange relationships with universities and research institutes in more than 30 countries and regions, including the United States, Britain, Germany, France, the Netherlands and Japan. Every year, nearly 60 faculty



members go abroad for academic exchange activities, and more than 60 students go to overseas universities or research institutions to participate in international conferences and semester exchanges. More than 100 visiting experts and scholars from various countries are received.

In the international talents cultivation, School of Traffic and Transportation participated in the establishment of China-US and China-Russia high-speed railway

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research centers, and participated in the preparation of the railway transportation majors of Thailand and Mongolia Railway University. The reputation of the discipline has been rising along with the rapid development of the world's rail transportation. At the same time, STT actively undertakes national tasks. Since training technicians for the Tanzania Zambia Railway in the 1970s, entrusted by the Ministry of Commerce of the People's Republic of China and other national government departments, it has successively completed more than 50 foreign training programs for administrative officials, engineers of relevant units of railways and transportation departments and teachers of colleges and universities of more than 20 countries in Asia, Africa, Europe and South America, with a cumulative total of more than 1,300 trainees. The trainees have gained an all-round understanding of the achievements of the development of China's railways and urban transportation construction, and have shared China's experiences in order to make contribution to the "Belt and Road Initiative".

"Integrating the World, Bridging Ancient and Modern." School of Traffic and Transportation strives to become a world-class, high-level, research-oriented school of transportation with distinctive characteristics, as its mission to build a world-class discipline, cultivate top-notch innovative talents in transportation, shape an important source of scientific and technological innovation in the industry, support the economic and social development of the country, and pass on the traditional culture of the Chinese nation.

2.3 Introduction of living environment and conditions

The climate of Beijing is a typical warm temperate and semi humid continental monsoon climate. It is hot and rainy in summer, cold and dry in winter, short in spring and autumn. The average annual temperature is 10~12 degrees centigrade. The average temperature of the four seasons is 1-12 degrees Celsius in spring, 18-29 degrees Celsius in summer, 15-25 degrees centigrade in autumn and -5-5 degree centigrade in winter. As the capital of China, the price level in Beijing is slightly higher, but the cost of students in the school is low, and the student scholarships for

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full scholarship are sufficient to pay the cost of living.

Our school will provide single room for students in this program, we will arrange accommodation based on our availability, below is some reference for students to know the condition of dormitories.

Single room with bathroom, public kitchen and laundry on each level.

The room is furnished with a single bed and bedding, desks, bookshelves, closet, TV set, phone, air-conditioner and internet cable.

3. Education Plan

3.1 Curriculum arrangement

(1) Course type and credit arrangement

Course Type	Course Module	Course Title	Credit	Credit Required	Remark
Educational Enhancement Platform	National Conditions Education	China Panorama	2	3	Required
		Chinese Culture	1		One of the two is required
		Contemporary Chinese Society	1		
	Comprehensive Attainment Course	Information Retrieval	1	1	Required
		Engineering Ethics	1	1	
	Comprehensive Attainment Practice	Comprehensive Attainment Practice	1	1	Required
Capacity Enhancement Platform	Language Ability Module	Elementary Chinese	3	3	One of the four is required
		Chinese Advanced	3		
		Business Chinese for Success	3		
		Advanced Applied Chinese	3		
	Mathematical Ability Module	Academic Writing	1	1	Required
		Data Analysis Method and Software Application	2	2	Required
		Railway Transportation Organization Optimize Theory and Technology	2		Five of the Five is required

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Platform for further professional development	Subject Specialist Core Courses	Travel Behavior Analysis Approach and Application	2	10	Five of the Eleven is required
		Transportation Planning	2		
		Big Data Analytics and Applications in Comprehensive Traffic	2		
		Comprehensive Transportation	2		
	Professional Development Courses	Railway Station and Junction Design	2	10	
		Modern Cargo Transportation Technology	2		
		High-speed Railway Operation Management	2		
		Railway Foundation and Technical Facility	2		
		Modelling Methods and Applications in Traffic and Transportation	2		
		Road Traffic Management and Control	2		
		Urban Transit Planning and Operation Theory	2		
		Comprehensive Design of Smart Traffic Systems in Metropolitan Areas	2		
		Logistics and Supply Chain Management	2		
		Road Traffic Safety and Human Factors	2		
Modern Logistics Technology and Management	1				

(2) Course Contents

Course Title	Content
Chinese Culture	This course uses Chinese characters, Chinese cuisine, Tang poetry and Peking Opera in Chinese culture as learning materials, and deepens students' knowledge and understanding of Chinese language and culture through knowledge explanations.
China Panorama	This course comprehensively introduces China's history and natural conditions, China's political system, economic development and the current situation of China's society. It is a basic course to help students deeply learn and understand Chinese language and culture.
Cross-cultural	The aim of this course is to explain the theory of intercultural

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Communication	communication and how it affects communication, introduce verbal and non-verbal language and intercultural communication, and demonstrate concretely how to communicate with people from different countries in different situations through methods such as scenario simulation.
Engineering Ethics	This course is a compulsory course for master students majoring in transportation. Combined with the characteristics of traffic and transportation, this course adopts the case teaching method to completely and systematically teaches essential theories of engineering ethics, principles, basic ethical responsibility, ethical norm, etc., in order to cultivate engineering ethics quality of engineering graduate students, enabling them to possess engineering ethics consciousness, master engineering ethics standards, and improve their engineering ethics decision-making ability.
Information Retrieval	This course aims to cultivate graduates' information awareness and their academic aptitude to acquire, evaluate and apply information. Based on the resources of the library of Beijing Jiaotong University, the course guides students to fully understand and utilize the services of the library, teaching them topic analysis, database and internet searches, as well as the application of one to two reference management tools. This course also encourages students to use RSS, DELICIOUS, ZOTERO and other social tools to develop scientific and efficient research habits. Additionally, the course guides students in writing academic papers using formats including APA, MLA and TURIBIAN.
Contemporary Chinese Society	This course introduces various aspects of contemporary Chinese society, including China's natural conditions, cultural customs, political system, economic development, and social status . It is designed to help students deeply study and understand contemporary Chinese culture and social life.
Elementary Chinese	This course aims to cultivate students' basic knowledge and skills in Chinese. Based on the chapters in the textbook, it explains relevant vocabulary, sentence patterns, and grammatical structures; carries out oral and written exercises, and incorporates writing exercises appropriately.
Chinese Advanced	The main goal of this course is to improve Chinese proficiency levels, which is mainly for students with a certain foundation in Chinese. After the completion of different levels of learning through modular teaching, learners are expected to improve their Chinese proficiency by 1-6 levels on their original basis.
Business Chinese for success	This course includes knowledge and skills of international business Chinese, the language style and characteristics of business Chinese, commonly used business Chinese vocabulary, phrases and sentence patterns. It focuses on cultivating students' basic ability to engage in business activities in Chinese.
Advanced Applied Chinese	Through translation practice, Chinese speech, Chinese debate, hosting, advanced Chinese audio-visual speaking and other special skills training, the course further improves students' language knowledge structure and enhances their language application ability.

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Data Analysis Method and Software Application	This course aims to provide students with a comprehensive understanding and knowledge of the theory and methods of descriptive, inferential and time-series analysis of data, and to develop a statistical mindset of collecting, organizing and analyzing data according to practical problems and drawing conclusions from them.
Railway Transportation Organization Optimize Theory and Technology	This course is an important part of railway transportation organization. It contains planning and organization of comprehensive application of various technical equipment, the reasonable organization of train and the realization of passenger and goods transport process. The main contents include: railway station organization, arrival and departure of train, train operation schedules, carrying capacity of the block section, station passing capacity and reconfiguration capacity, technical plan, transportation plan, etc.
Travel behavior analysis approach and application	Through this course, students will grasp the basic principles of travel behavior analysis, and master the questionnaire design, modeling theories, methods, parameter estimation, and statistical methods related to travel choices. Moreover, through practical cases, students will be trained in the entire process of analysis methods from data acquisition, data processing, model construction to model result analysis. This course aims to cultivate research thinking that combines theory and practice, enabling students to independently complete the analysis process of travel behavior.
Transportation Planning	Through the study of this course, students can master the basic knowledge, common methods and classical models of transportation planning. This course mainly teaches transportation survey, transportation and land use, traffic network layout planning and design, traffic demand forecasting, traffic planning examples and other knowledge content. The core lecture consists of a four-stage model of traffic demand forecasting composed of traffic occurrence and attraction, traffic distribution, traffic mode division, and traffic flow distribution. Through the study of this course, students can master the basic theory and methodology of traffic planning and key technologies, so that students have the basic ability to engage in traffic planning work.
Big data analytics and applications in comprehensive traffic	This course focuses on the integration of multi-source data from comprehensive traffic systems, covering the basic concepts and common types of traffic data, as well as algorithms and modeling tools of traffic data analysis. This course uses practical cases to illustrate the application scenarios of traffic data analysis in engineering and sets up practices to enable students to more proficiently master the common methods and basic processes of traffic data analysis, so as to enhance the ability to analyse traffic data and apply it practically.
Comprehensive Transportation	The establishment of modern transportation systems including railways, highways, waterways, aviation, and pipelines have brought tremendous impetus to China's industrialization, urbanization, and globalization of trade. Transportation is not only a fundamental, pioneering, and strategic industry in the national economy, but also a

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	<p>basic support for national and regional development. It is an indispensable link in the organization system of social production, life, and ecological environment protection. In the future, professionals engaged in transportation should not only learn and enhance the engineering methods to improve transportation capabilities but also master the systematic methods to optimize comprehensive transportation services. The course “Comprehensive Transportation” is aimed at the above new requirements. Based on the concepts of multi-mode integration, multi-stage integration, and multi-technology integration, it analyzes the system elements and operation rules of the integration of the five transportation modes. It promotes the transformation of development values, adapts to changes in development space environment, and promotes the integration of new technologies with comprehensive transportation systems.</p>
<p style="text-align: center;">Railway Station and Junction Design</p>	<p>The course aims to teach basic knowledge of railway station and terminal layout systematically, to enable students to analyze, calculate and draw station layout graphics, with the ability of designing railway station, and suggesting for construction and reconstruction plan, thus creating conditions for engaging in railway technical management, commercial management, station and yard planning and design, and other tasks after graduation.</p>
<p style="text-align: center;">Modern Cargo Transportation Technology</p>	<p>This course aims to enable students to fully understand and master the theory and method of railway freight transport organization, management and technology, and gain the general understanding of these principle and development.</p>
<p style="text-align: center;">High-speed Railway Operation Management</p>	<p>Through the study of this course, students will have a comprehensive understanding of the development overview and development trend of high-speed railway in foreign countries, the development of new high-speed railway technology and the construction and operation of high-speed railway in China. Students can learn the infrastructure requirements, traction power supply system, EMU, train control system, communication system, operation system and passenger service system and learn about the development and application of integrated high-speed railway inspection vehicles.</p>
<p style="text-align: center;">Railway Foundation and Technical Facility</p>	<p>This course aims to enable students to understand the interrelationship among various railway transportation equipment, and to understand the development of domestic and international new technologies, new processes and new trends in railway transportation. This course seeks to broaden their knowledge base, laying a solid foundation for the further specialized study or for engaging in transportation work in the future.</p>
<p style="text-align: center;">Modelling Methods and Applications in Traffic and Transportation</p>	<p>The course is divided into 8 topics containing 8 types of transportation problems. For each type of transportation problem, modelling methods are described in detail and how to use CPLEX to solve the model accurately is taught.</p>
<p style="text-align: center;">Road Traffic Management and</p>	<p>The teaching goal is to enable students to fully understand and grasp the basic knowledge, theories and methods of traffic</p>

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Control	<p>management and control. This course equips the students with the primary ability of traffic management infrastructure design, spatiotemporal resources optimization, and the basic capacity utilization efficiency and traffic safety level improvement, laying the foundation for the traffic management and control related work in the future. Through the combination of theory and practice teaching methods, the course cultivates students to become qualified high skilled talents with good traffic occupation morality, with the capacity of sustainable development, to meet the market demand for traffic talents.</p>
Urban Transit Planning and Operation Theory	<p>This course aims to provide students with an in-depth understanding and mastery of the basic theoretical knowledge of urban public transportation planning and operation, to strengthen the awareness and ability to describe and solve problems by adopting operations research and optimization modelling methods, and to enable students to understand the cutting-edge research fields and contents of urban public transportation planning and operation, so that they can lay a foundation for future in-depth research. The main content of this course contains: the significance of urban public transportation, methods and application of public transportation big data processing, theories of network design, theory and methodology of timetabling, theory of travel plan preparation, personnel scheduling optimization methods, lectures on cutting-edge topics and so on.</p>
Comprehensive Design of Smart Traffic Systems in Metropolitan Areas	<p>Based on the principles of modern traffic engineering and systems engineering, combined with a large number of complex engineering examples from both domestic and international sources, the course elaborates on the design principles of modern urban transportation and design methods of intelligent transportation from a micro perspective. Through case studies and interactive discussions, the course focuses on a wide range of issues derived from daily life, encouraging students to discover, analyze and solve problems from their daily experiences. The instructors are dedicated to developing the transportation professional graduate students' design skills for the future urban transportation, collaborative thinking abilities under a multidisciplinary background, and innovative thinking in the context of modern intelligent technology.</p>
Logistics and Supply Chain Management	<p>This course can help students understand the basic knowledge of supply chain, comprehend the fundamental concepts of supply chain management, and master the core ideas, basic principles, and methods of supply chain management. It enables students to plan, design and manage supply chains in different industries, so as to improve their analytical and design capabilities, laying a solid professional foundation for engaging in logistics and supply chain planning, design, and management work.</p> <p>The main contents include: an overview of supply chains and supply chain management, supply chain management model analysis, the core competitiveness and outsourcing of enterprises, production planning and control in supply chain management, purchase problems in supply chain management, inventory control</p>

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	in supply chain management, supply chain distribution management, logistics management of supply chain management, information technology and supply chain management, supply chain network design, supply chain strategy operation, supply chain relationship management, quality management and risk prevention of supply chains. This course adopts “research-oriented” teaching method.
Road Traffic Safety and Human Factors	This course enables students to understand the basic characteristics of driver, vehicle, and road involved in road traffic system safety. Students will master driving simulation experimental methods, statistical data analyzing methods, and road traffic safety evaluation techniques based on traffic accidents and conflicts. They will be able to apply driving simulator experiments and naturalistic driving data analysis techniques to solve practical road traffic safety issues, and possess the ability and scientific literacy to analyze and handle road traffic system safety problems.
Modern Logistics Technology and Management	Through the study of this course, students can understand the development trends of modern logistics technology and master the basic knowledge of theories, methods and technology involved in modern logistics technology. The course aims to develop students' ability to analyze and solve modern logistics problems using the theories and methods they have learned. The main content includes an overview of modern logistics, modern transportation technology, modern warehousing technology, reverse logistics and so on.

3.2 Academic and Practical Module

(1) Course type and credit arrangement

Course Type	Course Module	Credit	Credit Requirements	Remarks
Academic and Practical Model	Academic Meeting	1	7	
	Thesis Proposal (Opening Report)	1		
	Thesis Mid-term Assessment	0		
	Professional Practice	5		

(2) Course Descriptions

Course Title	Content
Academic Meeting	Professional master’s students should participate in regular academic meetings arranged by supervisors.
Thesis Proposal (Opening Report)	<p>The selected topic of professional master's degree thesis should be derived from the actual problems of engineering practice, and must have clear engineering background and application value. Usually, students choose the topic in the third semester. The research, practice and writing of the thesis content can be taken in two ways on campus or in the enterprise.</p> <p>The topic of the dissertation should be determined and should result in an opening report, which is completed in the third semester.</p>

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	Master's degree openings are normally organized by the faculty (discipline), at the latest no less than six months before the date of application for defence.
Thesis Mid-term Assessment	For professional master's degree students, the university implements a professional practice assessment system. The assessment is usually arranged at the end of the third semester or the beginning of the fourth semester.
Professional Practice	The practice period for international students is two years, during which the college organizes at least one practical activity related to the major. After completing the practice, students must submit a practice summary of no less than 1,000 words to the college.

3.3 Semester arrangement

Items	Time	Note
Registration	September 1, 2024	Subject to the admission letter for the registration date
First day of Class	September 1, 2024	
First term	September, 2024 - January, 2025	The specific time of each term refers to school calendar. Generally speaking, winter vacation lasts about 4-5 weeks, summer vacation lasts about 6-8 weeks.
Second term	February, 2025 - July, 2025	
Third term	September, 2025 - January, 2026	
Fourth term	February, 2026 - July, 2026	
Graduation	August, 2026	

4. Thesis

(1) Requirements for the Graduation Thesis

Thesis topics should be derived from real problems in engineering practice. Students can focus on research directions such as integrated transportation technology, railway transportation organization technology, urban transportation engineering technology, intelligent transportation system technology, traffic safety engineering technology, etc. Usually, students choose their topic in the third semester, and then carry out the opening report and mid-term assessment. Those who pass the assessment will pursue their master's degree according to the training plan; those who fail to pass the

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assessment must revise and reapply for their opening reports.

(2) Requirements for Thesis Defense

The thesis defense takes place at the end of the fourth semester. Before applying for the thesis defense, master's students must complete all components specified in the training program and pass all the examinations. The thesis will be reviewed by two senior faculty members or master's graduate supervisors with engineering practice experience. The defense committee will be composed of 3 to 5 senior faculty members or master's graduate supervisors with practical engineering experiences.

5. Degree Conferment

International students who pass the thesis defense will be granted a professional master's degree in Traffic and Transportation by BJTU's degree evaluation committee upon approval.

Master program (English Taught Program) students need to take the Chinese proficiency test to determine what courses they need to take. The language requirement before graduation is the Chinese HSK level 3 with the score of 180 or above.

II Application

1. Requirements

(1) Applicants must be non-Chinese citizens from developing countries, physically fit and no more than 45 years old (birth date after September 1st, 1979).

(2) All applicants should be in good physical and mental conditions; applicants must provide health certificate or physical examination form issued by a local public hospital. Applicants should be free of diseases that are prohibited by Chinese laws and regulations from entering and staying in China for a long period of time. Applicants should be free from serious hypertension, cardiovascular and cerebrovascular diseases,

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diabetes, cancer and other serious chronic diseases, mental illnesses or infectious diseases that may pose a major hazard to public health, recovery from major surgeries and episodes of acute illnesses, and serious physical disabilities. Pregnant women are not allowed to come to China to participate in the training, and will be withdrawn from the program if they become pregnant during their study in China.

(3) Applicants must have attained a Bachelor degree, and have 3 years or above of work experiences.

(4) Applicants with a professional background in studies or work related to the program applied for, and those currently employed, are preferred.

(5) Applicants should hold positions at or above the division level (or equivalent level) in government departments of their home countries, senior management personnel in academic institutions or enterprises, or academic backbones in universities and research institutions.

(6) Applicants must be proficient in English and be able to study related course in English. (Reference standard: IELTS score of 6.0 and above, or New TOEFL score of 80 and above).

(7) Applicants must possess the potential in the related work field, and be willing to devote themselves to communication and cooperation between their countries with China.

(8) Applicants who are currently studying in China or have been admitted by other Chinese Government Scholarship Programs will be disqualified to apply for this program.

2. Procedure

2.1 Admission Application

(1) Please register in our online application system: <http://bjtu.17gz.org>.

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(2) Click on “Individual Application” on the homepage and select “Ministry of Commerce Scholarship”, “Master's program”; Choose “Traffic and Transportation” as the major and “English” as the language of instruction.

(3) Fill in the application information.

2.2 Materials

Please have the following information available before submitting your application:

Documents		Requirements	Original Copy	Photocopy
1	BJTU Application Form	Please visit http://bjtu.17gz.org , fill in the application form, print it out, sign, and post a photo on it.	1	1
2	Chinese Government Scholarship Application Form	Please visit http://www.campuschina.org , fill in the application form, print it out, sign, and post a photo on it.	1	1
3	Degree Certificates	Texts in languages other than Chinese and English must be attached with a notarized translation in Chinese or English.	1	1
4	Official Transcripts	Texts in languages other than Chinese and English must be attached with a notarized translation in Chinese or English.	1	1
5	Personal Statement	Applicants can elaborate on the specific content or professional information of the proposed study or research in China, etc. according to their own research field and research direction. Written in English (not less than 800 words).	1	1
6	CV	Personal background information and educational and work experience since high school; written in English.	1	1
7	Academic Recommendation Letters	Two recommendation letters from professors or associate professors, written in English, including the applicants' academic background, major background, past achievements and research abilities, as well as the professor's personal evaluation of the applicant. The letters must be signed by the recommenders and include their contact information.	1	1

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8	Recommendation Letter by Current Employer	A letter of recommendation from the applicant's organization, describing the applicant's basic situation and indicating the willingness to recommend him/her to study in China. The letter should be printed on the official headed paper of the organization and indicate the position, telephone number, email address and other contact information of the person who issued the letter of recommendation, signed by the person who issued the letter of recommendation and stamped with the official seal of the organization.	1	1
9	English Language Proficiency Certificate	Non-English speaking applicants should provide TOEFL and IELTS transcripts.	1	1
10	Health Form	The result of the medical examination in the last 1 month, which proves that the applicant is not suffering from serious infectious diseases or disabilities affecting his/her field of study, or other diseases that the Chinese government does not allow to enter the country.	1	1
11	Photocopy of a Valid Passport	The passport must be a personal regular passport.	0	1
12	Passport Photo	two 2-inch, recent (within the last three months), bareheaded photos with a white background.	2	0
13	Non-criminal record	Issued by police authority of your home country.	1	1

Note: The scanned copies of the above documents (PDF format) should be uploaded to the application system of BJTU. The original documents should be brought with you when you register for admission.

2.3 Submission

(1) Applicants can submit the applications for this scholarship program only after they got the approval or recommendation from relevant government authorities, and

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submit all the application materials according to the specific requirement of relevant authority in their home countries.

(2) If the government in applicants' countries allow applicants to submit the application documents directly to the embassy of P.R.China, applicants must have the relevant approval or recommendation letter issued by relevant authority in their countries, submitting the original paper documents and their scanned electronic versions formed from 1,2,3 listed above to the Economic and Commercial Office of the Chinese Embassy in applicants' countries.

(3) Relevant authorities in the government of the applicants' countries should submit a written request to the Economic and Commercial Office, asking for a recommendation letter for the applicants. The request must also specify in the case that the program the applicant wish to apply is not available, whether or not the applicants accept being re-assigned to a similar program in a different institute. If there are some other special requests, please submit to the embassy, too.

(4) Applicants must finish both application on Beijing Jiaotong University website (<http://bjtu.17gz.org>) as well as application on CSC website (<https://studyinchina.csc.edu.cn/>).

2.5 Important Notice:

(1) All the documents to be submitted should be in Chinese or English. Otherwise, a notarized translation version in Chinese or English is required.

(2) The original documents (such as Graduation Certificate, Degree Certificate, Transcript, Language Proficiency Certificate and other important documents) and their copies should also be submitted for verification by the personnel of the Economic and Commercial Office of the Chinese Embassy. After verification by the staff of the commercial office, the students should upload the scanned copies of the application materials to the online application system of BJTU.

(3) All paper documents (including originals and copies) shall be taken back and kept properly after verification by the Economic and Commercial Office of the Embassy.

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Once you are admitted, you should bring these paper documents to China and submit them to the designated department of BJTU for review and filing.

3. Deadline

June 7th, 2024

III Contacts and Reminders

1. Contacts

Contact person: Ms. Wang Kang

E-mail: bjtuadmission@foxmail.com

Telephone: (86-010) 51685457

Fax: (86-010) 51685258

Website: <http://bjtu.17gz.org>

Post Address: College for International Education, Beijing Jiaotong Univerisity, NO.3 Shangyuancun, Haidian District, Beijing, China.

Postcode: 100044

2. Reminders

- (1) None of the materials submitted will be returned no matter what the result is.
- (2) Chinese government is not obliged to make any explanation on the results.
- (3) The fees of students' spouse and children won't be covered.
- (4) Some other procedures and requirements will be stated in the admission documents.

