

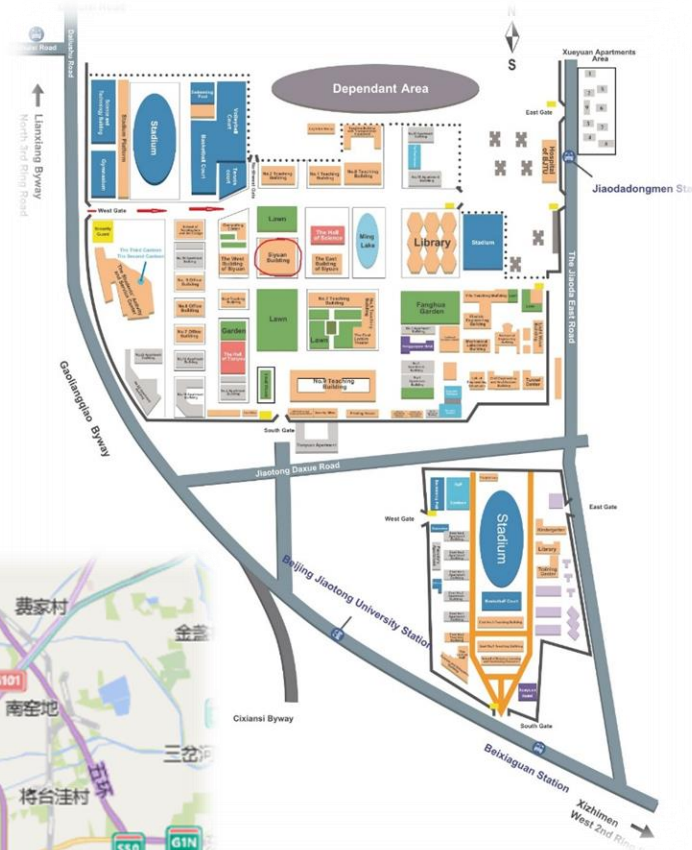
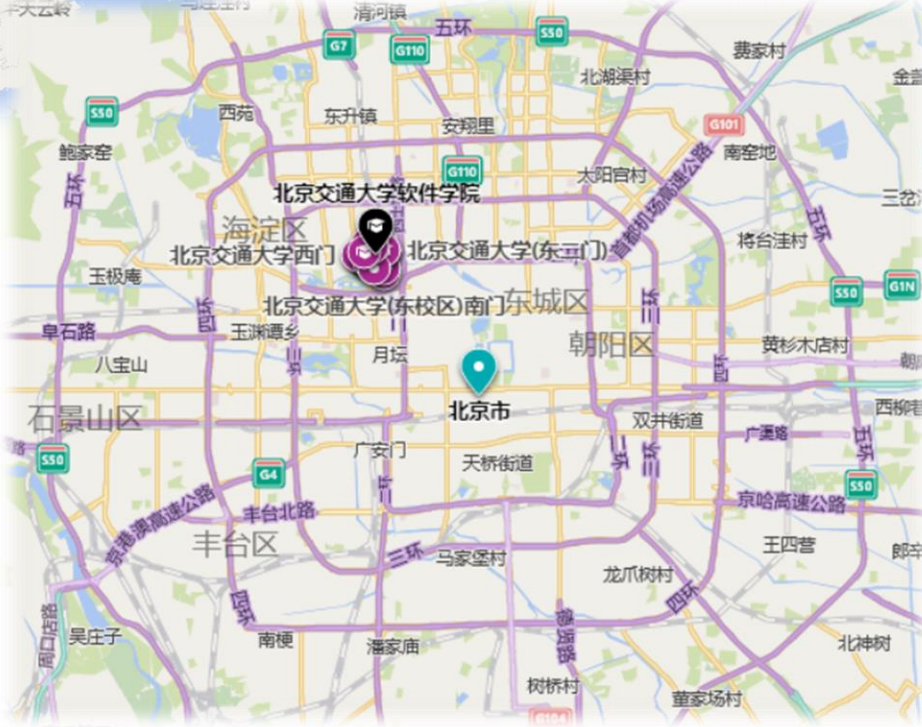
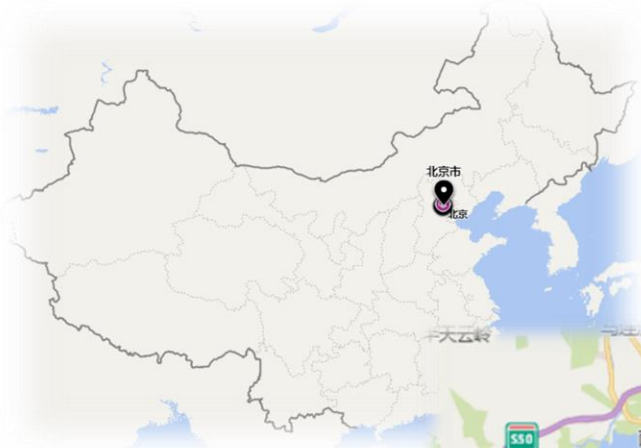


Beijing Jiaotong University School of Software Engineering

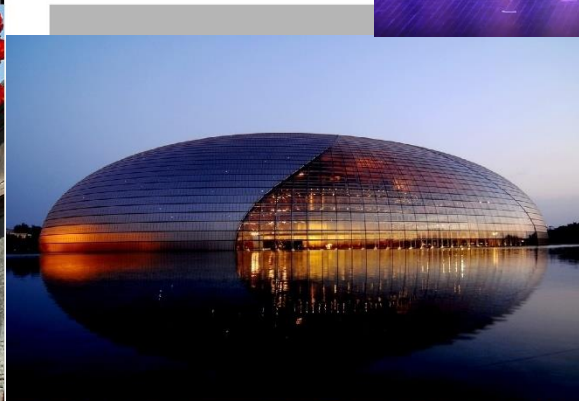
BEIJING JIAOTONG UNIVERSITY



LOCATION



Night in Beijing



National Theatre

SCHOOL OF SOFTWARE ENGINEERING

- ▶ National Pilot Software Engineering School
- ▶ Bilingual teaching
- ▶ Internationalization
- ▶ Professors with diverse academic background and work experience



Undergraduate program (Study duration: 4-6 years)

- ▶ **Major Fundamental Courses** : Object-Oriented Programming and Design, Introduction to Software Engineering, Data Structure, Computer Network, Operating System, Database System, Software System Analysis and Design, Software Architecture, Software Project Management, Software Testing Technology and Practice, Discrete Mathematics etc.
- ▶ **Major Courses**: Software and Intellectual Property Law, Principles of Computer Organization, Algorithm Design and Practice, C++ Programming, Information Security - Principles and Practice, User Interface Design and Evaluation, Web Developing Technologies, Mobile Application Development, Data Mining and Data Analysis etc.



Master program

(Study duration: 2-3 years)

- ▶ **1. Cloud computing and big data:** data analysis and mining methods (statistical model, cluster model, etc.), cloud computing systems (Hadoop, Spark, HDFS, HBASE, Sqoop, HIVE, Storm, Kafka, etc.), big data virtualization and storage techniques, and combined application of big data analysis and cloud computing systems for practical issues.
- ▶ **2. Artificial intelligence:** machine learning and deep learning algorithms, data science and knowledge discovery, natural language processing, image processing and pattern recognition, and application of artificial intelligence for practical issues.
- ▶ **3. Embedded systems:** embedded platforms and tools, embedded software development, and design, development, testing, maintenance and management of embedded systems.



CAMPUS

Career



- ▶ Transnational corporations :
IBM, Oracle
- ▶ Chinese-funded companies:
Huawei, Baidu, Xiaomi
- ▶ Start their own business...

Programs

Course Name	Duration (hours)	Credits	Semester	
			Fall	Spring
Introduction to Software Engineering Major	16	1	/	
C Programming	48	3		/
Object-Oriented Programming and Design	32	2	/	
Introduction to Software Engineering	32	2	/	
Practice in Object-oriented and Interactive Application Development	32	2	/	
Principles of Computer Organization	32	2	/	
Data Structure	32	2		/
Comprehensive Practice of Data structure and Algorithm	32	2		/
C++ Programming	32	2		/
Algorithm Design and Practice	32	2		/
Computer Network	32	2	/	
Operating System	32	2	/	
Database System	32	2	/	
Comprehensive Practice on Database Application System	32	2	/	
Software and Intellectual Property Law	16	1	/	
Information Security - Principles and Practice	32	2	/	
User Interface Design and Evaluation	32	2	/	
Web Developing Technologies	32	2	/	
Mobile Application Development	32	2	/	
Non-relational Database	32	2	/	
Software Architecture	32	2		/
Software System Analysis and Design	32	2		/
Software Project Management	32	2		/
Software Testing Technology and Practice	32	2		/
Comprehensive Training of System Conception and Design	32	2		/
Software process and improvement	32	2		/
Java EE Frameworks and Application	32	2		/
Linux System and Network Programming	32	2		/
Data Mining and Data Analysis	32	2		/
Product Analysis, Design and Operation	32	2		/

Course Name	Duration (hours)	Credits	Semester	
			Fall	Spring
Basic level Chinese	64	4	/	
Spoken Chinese	32	2	/	
High level Chinese	64	4		/
Engineering ethics	16	1		/
Advanced algorithm analysis and design	32	2		/
Artificial intelligence applications and practice	32	2		/
Service based software architecture and cloud computing	32	2	/	
Game design and implementation	32	2	/	
Distributed computing	32	2		/
Data science and knowledge discovery	32	2		/
Embedded system application development	32	2		/
Mobile application development	32	2	/	
Internet of things technology	32	2	/	
Big data fusion and data warehouse	32	2	/	
Software service engineering	32	2		/
Natural language processing	32	2		/
Chinese culture	32	2	/	
Enlighten Entrepreneurship	16	1		/
Career planning and new technology seminar	16	1		/
Industrial practice		5		
Social practice		2		

TUITION — FEES

	Program	Tuition fees	Duration
Undergraduate	Chinese Taught	24800 RMB/year	4 years
	English Taught	33800 RMB/year	4 years
Master	Chinese Taught (Research program of liberal arts)	29000 RMB/year	2 years
	Chinese Taught (Research program of science and engineering)	29000 RMB/year	3 years
	Chinese Taught (Professional program)	29000 RMB/year	2 years
	English Taught	35000 RMB/year 46000 RMB/year (MBA)	2 years
Doctor		34000 RMB/year	3 years for liberal arts, 4 years for science and engineering
Preparatory program		22000 RMB/year	1 year
Visiting scholar	Senior visiting scholar	13500 RMB/semester	1 semester
	General visiting scholar	11000 RMB/semester	1 semester
Language student		10000 RMB/semester	1 semester



2010.11.03
The Invisible BJTU

Accommodations

Types	Conditions	Buildings
B	<p>Double rooms with bathroom, public kitchen and laundry on each level.</p> <p>The room is furnished with two single beds and bedding, desks, bookshelves, closet, TV set, phone, air-conditioner and internet cable.</p>	Buildings #1, 4



Application Process

- ▶ Click the website: <http://study.bjtu.edu.cn/member/login.do>
- ▶ Register as a new user.
- ▶ As an exchange student, please choose “exchange program” -> “general visiting”
- ▶ As a degree student, please choose “self-sponsored” -> “degree student”
- ▶ Then follow the instructions online to choose the teaching language and fill out the personal information.

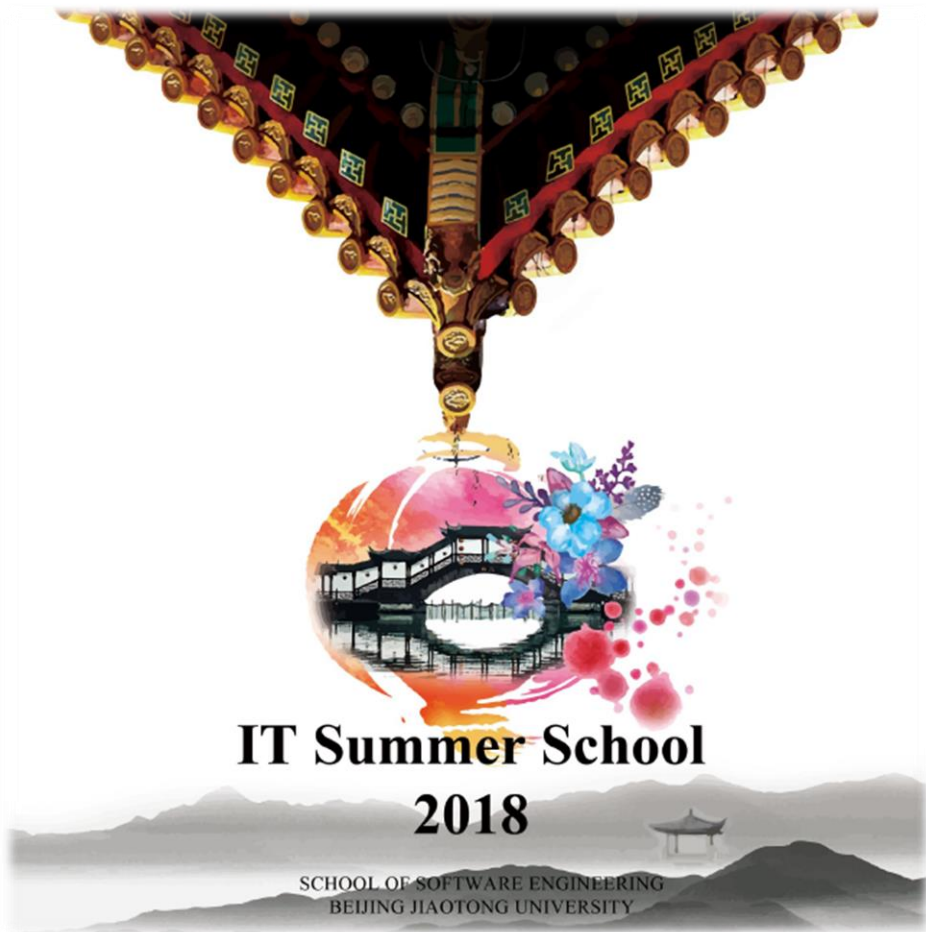
- ▶ The following documents are required to **upload** during online application:
 - ▶ - **Photocopy of passport** (pages with photo and personal information)
 - ▶ - **Recent electronic photo**
 - ▶ - **Diploma of most advanced studies**
 - ▶ - **Transcripts:** with certified copy of the English translation if not in English
 - ▶ - The valid report of English Language proficiency tests or Chinese HSK level-4 Certificate (optional)
 - ▶ - Two recommendation letters by associate professors or professor (for degree applicants only)
 - ▶ - Study plan (for degree applicants only)

Application & Admission

- ▶ Application Deadline:
 - Fall semester: Before June 1st.
 - Spring semester: Before December 1st.
- ▶ Academic Calendar:
 - Fall semester: Beginning of September - end of January
 - Spring semester: End of February - end of June
- ▶ Course Selection:
 - Undergraduate: first week at Office after arrival
 - Postgraduate: select on website before coming



International Summer School Program



International Summer School Program

- ▶ Learning by doing: Mobile App Development
- ▶ Visit famous IT companies
- ▶ cultural activities
- ▶ team work with students from all over the world
- ▶ International Students Global Entrepreneurship Contest



International Summer School Program

- ▶ Duration: 2-4 weeks
- ▶ Date: in July
- ▶ Cost: flight+ daily living cost+ entrance
- ▶ Tuition
- ▶ Registration deadline: Before June 1st.
- ▶ Contact: Jacqueline < wenjunli@bjtu.edu.cn >



Contact

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School of Software Engineering
Beijing Jiaotong University

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