CREATING THE A*Gen
*THE ANALYTICS GENERATION

Premier Digital Tech University ™

HELP University
university of achievers

2+2 TRANSFER PROGRAM

Admission Requirements
CGPA 2.00. Open to HELP BIT (Hons) and Dip IT students.

BACHELOR OF SOFTWARE ENGINEERING BEIJING JIAOTONG UNIVERSITY (BJTU)

4 years (HELP 2 years + BJTU 2 years)

- 2 years at HELP University (Dip IT) + 2 years at the BJTU (Bachelor of Software Engineering)
- 2 years at HELP University (BIT (Hons) + 2 years at BJTU (Bachelor of Software Engineering)

Beijing Jiaotong University

Established in 1896, Beijing Jiaotong University (BJTU; 北京交通大学) or BeiJiaoDa (北交大) is a national key university, leading in information and management disciplines and featuring traffic and transportation science and technology. It is an important base to produce outstanding talents in information technology. BJTU graduates have very good job opportunities, and increasingly international students find work in Chinese companies like Sinopec, CRBC, CRCC, Huawei and Baidu.

Outcomes for Graduates

- Ability to work as a product manager, software designer, project manager, quality manager, software service consultant and other positions related to software engineering
- Ability to apply engineering knowledge and technical principles and solve complex engineering and technology problems in Software Engineering

High Quality Teaching of SSE

- Faculty includes a double-employed academician from the Chinese Academy of Engineering
- One staff is a national expert for scientific and technological progress evaluation
- 21 full-time lecturers
- 28 enterprise experts
- 71.4% of the lecturers with doctoral degrees
- 60.8% of lecturers with corporate engineering experience
- A national expert for scientific and technological progress evaluation

Excellent Internship and Employment Opportunities

BJTU is located in Beijing's 'Silicon Valley'. SSE has partnerships with top-level IT companies, including Microsoft, Alibaba, Huawei, Tencent, SAP, Baidu, Neusoft, Chinasoft, and more than 40 famous software enterprises.

Enquiries: ict@help.edu.my

List of Subjects

Core Subjects

- Elementary Chinese I
- Spoken Chinese
- Elementary Chinese II
- C Programming
- Object-Oriented Programming and Design
- Introduction to Software Engineering
- Data Structure
- Discrete Mathematics
- Computer Network
- Operating System
- Database System
- Software System Analysis and Design
- Software Architecture
- Software Project Management
- Software Testing Technology and Practice
- Project-Based Research II
- Project-Based Research III
- Graduation Project
- Practice in Object-Oriented and Interactive Application Development
- Comprehensive Practice of Data Structure and Algorithm
- Comprehensive Practice on Database Application System
- Comprehensive Training of System Conception and Design

Elective Subjects (max: 10 credits)

- 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
- Non-Relational Database
- Software Process and Improvement
- J2EE Frameworks and Application
- Linux System and Network Programming
- Data Mining and Data Analysis
- Product Analysis, Design and Operation
- Lectures on Cutting-Edge Technology
- Foundation of Artificial Intelligence