



杭州師範大學  
Hangzhou Normal University

信息科學與技術學院  
School of Information Science and Technology

BACHELOR

# COMPUTER SCIENCE AND TECHNOLOGY

## Why Choose Us

In the information age, few things can rival a degree in Computer Science and Technology as a passkey to the industry of one's choice. A computer science degree can open doors for you to design networks and software systems, expand the frontiers of virtual reality, use artificial intelligence to devise medical breakthroughs and create machine-learning algorithms to analyze data and make predictions.

The four-year bachelor degree program with English as the medium of instruction is designed to foster professionals qualified for jobs related to computer science research, system design and software development, cyberspace security, and other related application fields.

## What You Learn

- ✦ Expand your knowledge of programming languages, techniques and emerging technologies.
- ✦ Study Artificial Intelligence, Database Principles, Object-Oriented Programming, Digital Logic, Operating System, Data Structure, Algorithm Analysis and Design, Computer Principles, etc..
- ✦ Mitigate and address cyber security breaches and threats.
- ✦ Conduct original research with faculty mentors and present at national conferences.
- ✦ Create and improve computer software and hardware to solve business and communication challenges.
- ✦ Design systems and units (components) that meet the needs of information acquisition, transmission, processing or use, etc..
- ✦ Build a professional network and secure internship opportunities in several industries.
- ✦ Compete in various competitions such as the ACM Regional Programming Contest, China International College Students' 'Internet+' Innovation and Entrepreneurship Competition, etc..
- ✦ Earn your degree while gaining industry experience in our co-op program with 9 months internship.



## Core Courses

Discrete Mathematics, Database Principles, Object-Oriented Programming, Digital Logic, Operating System, Data Structure, Data Structure Projects, Algorithm Analysis and Design, Computer Principles, Computer Networks, Web Programming, Introduction to Internet of Things, Mobile Application Development, Software Engineering, Applied Cryptography, Introduction to Cloud Computing, Computer Graphics, Network and Information Security, Human-Computer Interaction and Virtual Reality, C++ Programming, Artificial Intelligence

Program Duration	Degree	Graduation Requirements
Four years and no longer than six years	Bachelor of Engineering, majoring in Computer Science	1. Graduation Credits:160 credits; 2. HSK Score: HSK 4 (new format) with a minimum score of 180;

## What We 're Doing

School of Information Science and Technology (SIST) was founded in the year of 1992, featuring quality teaching and scientific research. SIST is located in the Cangqian Campus of Hangzhou Normal University in Hangzhou Future Sci-tech City, with numerous Unicorn enterprise and high tech companies surrounded and one block away from Headquarter of Alibaba Group. SIST is a place of discovery, creativity and innovation with pioneering scholars and energetic Chinese and international students, and has been listed among the first batch of Reform Pilot Units concerning cultivation of service outsourcing talents, and the first batch of Pilot Demonstration Colleges and Universities in Zhejiang Province concerning cultivation of application-oriented talents. SIST adheres to the path of deep cooperation between schools and enterprises, close integration of government, industry, academia, research and application, and cultivates interdisciplinary and interdisciplinary IT senior talents with humanistic literacy, professional skills, international perspective, and innovative thinking, preparing for leadership in a rapidly changing world.

## Career Prospects

Undergraduate graduates are capable of engaging in computer system research and development, maintenance, information security, cloud computing and big data, artificial intelligence, etc. in computer science related industries and fields, or pursuing further study for a master's degree in computer science or related disciplines, or engaging in teaching and researching in related disciplines.

Many students obtained job offers from enterprises not only in Fortune Global 500 Companies, such as IBM, State Street Co., Accenture, Infosys, Siemens and Alibaba Group, Huawei, but also local enterprises such as, NetEase, Hikvision, Dahua Technology, Insigma and Straight Flush. Students through our professional training designed to emulate an actual work environment, make a seamless transition for their future career. Many graduates of SIST have been admitted by world top universities, such as Carnegie Mellon University, The Pennsylvania State University, University of Windsor, Peking University, Zhejiang University, Fudan University, Shanghai Jiaotong

## System of SIST 's Talents Cultivation

