

计算机科学与技术

一、学制

四年（含二年制专升本），本专业修满应修学分并通过毕业论文答辩后，将获得“理学学士学位”。

二、培养目标

本专业面向长三角地区对 IT 人才需求，培养具有家国情怀、国际视野，并系统掌握计算机科学理论和方法，具备系统设计开发、运维部署、数据分析处理能力，能在以信息技术为代表的高科技企业及行政管理部门从事软件开发测试、数据采集处理的复合应用型人才。本专业对所培养学生在毕业 5 年左右的预期目标是：

(1) 具备宽广的视野和扎实的专业技术基础，成为大数据处理产业中数据采集、数据整理、数据存储、数据安全、数据分析和数据应用等岗位的技术骨干或者管理人才。

(2) 能够紧跟互联网软件开发最新技术发展，具备深厚的计算机程序设计、软硬件开发功底，成为互联网软件行业产品经理、项目经理、前端开发工程师、后端开发工程师、质量保障工程师、运维工程师等技术骨干或者企业高级管理人才。

(3) 具有计算机科学基本思维，能够熟练掌握其研究方法，通过读研方式，成长成为计算机领域科学研究人才。

(4) 具备较强计算机技术的应用能力，可以成长成为中外企事业单位、教育部门计算机维护、应用和教学工作岗位的核心骨干或者管理人才。

(5) 培养德智体美劳全面发展，系统掌握计算机硬、软件及应用等方面的基本理论与基本技能，有持续发展潜力和创新精神，能够胜任信息管理、应用与技术管理等工作的复合应用型人才。

三、主要课程

高级语言程序设计、计算机网络、计算机系统组成、操作系统、数据结构与算法、数据库原理与应用、电子技术与数字电路、人工智能导论、面向对象程序设计、Android 程序设计、Java Web 开发框架、商务数据分析、文本分析与挖掘、数字图像处理等课程。

四、就业方向

主要从事国内外互联网公司或科技型企业从事开发、测试、管理、运维等技术性工作。部分进入国内外著名大学继续深造，如英国谢菲尔德大学、澳大利亚墨尔本大学、浙江工业大学、杭州电子科技大学等。

五、专业特色

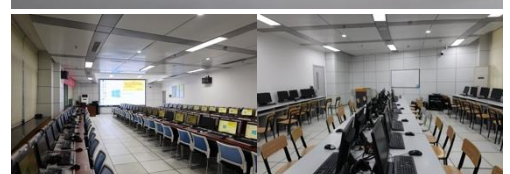
本专业突出计算机最新技术（“人工智能”、“元宇宙”、“大数据”）的应用。专职教师“双师双能”型占比 74%，90%的教师都具有人工智能、元宇宙、大数据分析等 IT 相关行业经验。此外，专业还拥有来自阿里巴巴、大华控股、杭州安恒信息技术有限公司、ORACLE 甲骨文（浙江）运营中心等数十位企业导师，在专业实训中强调校企双导师的应用型实践导向力。



我校资深教授陈德人给师生做讲座



ACM 大赛比赛现场



国际商学院实验中心

Computer Science & Technology

1. School System

Four years (including two-year junior college to undergraduate), after completing the required credits and passing the graduation thesis defense in this major, you will receive a "Bachelor of Science" degree.

2. Training Objectives

The aim of this major is to cultivate well-rounded talents with a patriotic spirit and an international outlook. You will acquire a systematic knowledge of computer science theories and have the ability to design and develop systems, operate and maintain them, and analyze or process big data. After graduation, you will be qualified to work in high-tech enterprises or administrative departments. The expected outcomes for graduates of this major within five years are:

(1) Having a broad vision and a solid professional technical foundation, becoming a technical leader or a management expert in the big data industry.

(2) Having a strong foundation in computer software and hardware technology and becoming a technical leader or a senior executive in the Internet software industry.

(3) Mastering computer science research methods and pursuing further studies to become a scientific researcher in the field of computer science.

(4) Having excellent computer technology application skills and becoming a core member or a manager in domestic and foreign enterprises, institutions, and education departments.

(5) Cultivating comprehensive development in moral, intellectual, physical, aesthetic, and labor aspects, having sustained development potential and innovative spirit, and becoming an interdisciplinary applied talent.

3. Main Courses

Advanced Programming Languages, Computer Networks, Computer Architecture, Operating Systems, Data Structure and Algorithms, Database Systems, Electronic Technology and Digital Circuit, Introduction to Artificial Intelligence, Digital Image Processing, Text Analysis and Mining, Virtual Reality Technology.

4. Employment Direction

Primarily involved in technical tasks such as development, management, testing, operation and maintenance for domestic and foreign internet companies. Some pursue further studies for a master's degree.

5. Specialty Characteristics

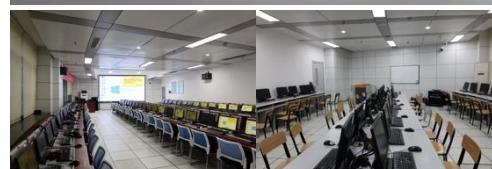
Emphasize the application of the latest technologies, such as artificial intelligence, metaverse and big data. All teachers have industry experience.



Our school's senior professor Chen Deren gave a lecture to teachers and students.



ACM competition scene



School of International Business Labs Center