

## 学院介绍

浙江大学软件学院于 2001 年 2 月 27 日成立,是国家教育部和国家发展计划委员会批准的首批 35 所国家示范性软件学院之一。学院坐落在宁波高新区,占地 500 亩,在校研究生规模超过 800 人。目前软件学院有两个学科专业:软件工程、工业设计工程,其中软件工程被评为中国高校一流学科(全国仅 5 所高校拥有)。软件工程开设 4 个专业方向:移动互联网与软件开发技术、物联网开发技术、金融信息技术和大数据技术。工业设计工程的主要方向是信息产品设计,每个专业方面都是与 IT 知名企业合作。

### About the College

School of Software Technology, Zhejiang University was founded on February 27, 2001. It is one of the first 35 national model software colleges approved by National Development and Reform Commission and Ministry of Education. Its Campus locates at the National Hi-Tech Zone, Ningbo City, Zhejiang Province ,PRC, occupies about 500 acres and the total number of the full-time postgraduate students is over 800. Today, School of Software Technology has 2 disciplines: Software Engineering, Industry Design Engineering, Software Engineering has been rated as "First-Class" discipline(only 5 universities win this honor in China). Software Engineering offers 4 research directions , such as Mobile Internet and Software Development Technology, Internet of things Development Technology, Financial Information Technology, Big Data Technology. The main research direction of Industry Design Engineering is Information Product Design. Every research direction is collaborated with famous IT Enterprises.

## 软件工程硕士专业介绍

**培养目标:** 适应软件产业发展和应用的需要,面向产业和市场,培养高层次的实用型、复合型、国际化的软件工程开发、应用和管理人才。

**招生对象:** 大学本科毕业及以上学历者。

**培养方向:** 移动互联网与软件开发技术、物联网开发技术、金融信息技术、大数据技术

**学 制:** 2 年。学习年限 2-4 年

**培养模式:** 第一学年以课程实践和项目实训为主。第二学年开始到企业带薪实习并完成

硕士论文。

**授课形式:** 全英文授课。

### **Master of Software Engineering**

**Objectives:** To meet the requirements of information construction, software industry development and application, the School aims to educate senior software development, application and management talents with globalized, practical and multi-disciplinary abilities with industry and market orientation.

**Entrance Requirements:** Students with a bachelor's degree, or equivalent qualification, or above.

**Research Directions:** Mobile Internet and Software Development Technology, Internet of things Development Technology, Financial Information Technology, Big Data Technology.

**Award Length:** Basically 2 years (could be extended to 4 years)

**Process:** Study courses and projects training in the first academic year. In second academic year, students should intern with salary in enterprises and should complete their master's degree thesis during the internship period.

**Teaching Language:** English

### **课程/course**

课程编号 Course No.	课程名称 Course Name	学分 Credit	总学时 Total Class Hours	开课学期 Course Semester	备注 Remarks
5141061	系统分析与设计 System Analysis and Design	2	32	秋 Autumn	
5143078	软件项目管理 IT Project Management	2	32	秋、冬 Autumn\winter	
5143096	大数据概论 Overview of Big Data	2	32	冬 Winter	
5141065	Linux 集群系统 Linux Cluster System	2	32	秋 Autumn	

5143016	软件质量保证与测试技术 Software Quality Assurance and Testing Technology	3	64	秋、冬 Autumn/winter	
5143056	企业应用高级开发技术 Enterprise Application Advanced Development Technology	2	32	春 Spring	
5143087	机器学习和数据挖掘 Machine Learning and Data Mining	2	32	春 Spring	
5141041	数据可视化技术 Data Visualization Technology	3	64	冬 Winter	
5141060	项目实训 Project Training	2	64	春、夏 Spring/summer	

## 办学特色

1. 软件学院结合浙江大学的综合办学优势和软件工程发展前沿,采用与国际接轨的教学方法与课程体系,以社会软件产业人才需求为导向,以“Computer+X”和“X+Info”复合型人才培养理念,致力于培养高层次的应用型、复合型、国际化的软件工程技术和软件工程管理人才。

### **Educational Characteristics**

1.School of Software Technology has combined the advantage of Zhejiang University's comprehensive education with Development frontier of Software Engineering, adopted the internationalized teaching methodologies and curriculum, and continuously promoted the idea of “computer + x” and “x + info”. Guided by

the development of IT industry and talents requirement, the School is committed to cultivate higher level talents of software development and management with internationalized, practical and inter-disciplinary abilities.

2.软件学院采用课程实践、项目实训、企业实习的教学方式，汇聚政府、行业、产业等各方资源，与国内外知名 IT 企业如阿里巴巴、华为、IBM、Oracle 等合作建立了产学研一体化的开放式人才培养体系，初步建成了以软件工程为核心的多学科交叉复合应用的研究生培养基地。

2.The School has adopted the teaching method of “practice courses-project training-enterprise internship”,integrated resources from governments,IT industry and enterprises, and collaborated with famous IT corporations both at home and abroad, such as Alibaba , Huawei, IBM and Oracle. The School has successfully built up the open talents cultivation system based on an integration of Education-Research-Industry, and established the postgraduate education system consisting of multi-discipline crossing and application with the core of Software Engineering.

3. 部分学生与阿里巴巴、华为联合招生和培养，学生毕业后有机会到阿里巴巴、华为的国内分公司工作。

3.The School will cooperate with Alibaba, HUAWEI to enroll and foster some students. After their graduation, they will have opportunities to be employed by Alibaba or Huawei's domestic branch companies.