

金融工程

一、学制

四年，本专业修满应修学分并通过毕业论文答辩后，将获得“**经济学学士学位**”。

二、培养目标

本专业面向长三角地区金融机构和企事业单位的金融服务需求，培养热爱祖国、三观正确，掌握金融工程基本理论，具备金融信息分析、量化计算、投资应用、风险管控、金融结算等多方面的能力，能在证券、基金、银行等行业胜任金融产品的开发管理、交易过程的实时监控工作的专业人才，或在国内外金融公司、咨询机构、大中型企业等从事金融数据分析管理、金融结算、投融资服务的复合型人才。本专业对所培养学生在5年左右的预期目标是：

(1)具备一定的证券投资分析能力和操盘能力，能够从事证券行业的信息提取、信息加工处理和应用，能够使用证券投资平台的各种软件进行熟练的操作的专业技术人员。

(2)掌握经济、金融类相关知识，能够熟练进行金融产品及其衍生品的量化投资研究和分析，给证券公司等金融机构提供理论支撑的科学研究人员。

(3)具有证券软件使用、交易及各类型数据分析能力的金融数据分析人员。

(4)能够对宏观经济走势和公司相关类型的资产进行判断、分析和研究，具有一定的市场前瞻性，能够在市场中掌握资产评估、金融结算、投融资服务等行业的管理人员。

三、主要课程

金融学、统计学、计量经济学、金融工程学、证券投资学、期货与期权、金融计量学、国际金融、金融科技学、大数据与金融、金融风险管理与公司金融等。

四、就业方向

最近几届毕业生中，部分毕业生进入英国埃塞克斯大学、华东政法大学、上海外国语大学、上海大学等高校深造，还有毕业生在杭州联合农村商业银行、宁波银行杭州分行、泰顺农商银行等银行系统工作，另有毕业生在杭州同花顺数据开发有限公司、浙江省对外服务公司宁波分公司、杭州今溪信息技术有限责任公司等知名咨询服务公司工作。

五、专业特色

金融工程专业为校重点专业。本专业特色是“**量化投资**”。注重学生“**量化投资**”实践能力培养，构建仿真实验室虚拟平台，创设学校、企业、专业三方联管的“产、学、研”平台，与同花顺公司、财通证券、电信翼支付金融中心、深圳国泰民安、杭州海通证券、西溪软件园等相关企业联合培养学生“**量化投资**”实践能力。



我校创业与可持续金融会计研究成员赴企业调研



我校创新创业学生办公地点——众创空间



学生在金融量化投资实验室上课



我院举办“宋韵·浙潮”创新创业集市



学生获浙江省证券投资大赛一等奖、金融创新大赛一等奖

Financial Engineering

1. School System

Four years, after completing the required credits and passing the graduation thesis defense in this major, you will receive a "Bachelor of Economics" degree.

2. Training Objectives

This major is aimed at the financial service needs of financial institutions and enterprises in the Yangtze River Delta region. It cultivates professional talents who love the motherland, have correct perspectives, master basic theories of financial engineering, possess abilities in financial information analysis, quantitative calculation, investment application, risk control, financial settlement, and other aspects. They are capable of developing and managing financial products, as well as real-time monitoring of trading processes in industries such as securities, funds, and banks, Or versatile talents engaged in financial data analysis and management, financial settlement, and investment and financing services in domestic and foreign financial companies, consulting institutions, large and medium-sized enterprises, etc. The expected goals for the students trained in this major over a period of about 5 years are:

(1) Professional technical personnel with certain securities investment analysis and trading abilities, able to engage in information extraction, processing, and application in the securities industry, and proficient in using various software on securities investment platforms.

(2) A scientific researcher who possesses relevant knowledge in economics and finance, is proficient in quantitative investment research and analysis of financial products and their derivatives, and provides theoretical support for financial institutions such as securities companies.

(3) Financial data analysts with the ability to use securities software, trade, and analyze various types of data.

(4) Industry managers who are able to judge, analyze, and research macroeconomic trends and related types of assets of the company, have a certain degree of market foresight, and are able to master asset evaluation, financial settlement, investment and financing services in the market.

3. Main courses

Finance, statistics, econometrics, financial engineering, securities investment, futures and options, financial metrology, international finance, financial science and technology, big data and finance, financial risk management, corporate finance, etc.

4. Employment direction

In recent years, some graduates have entered universities such as the University of Essex, East China University of Political Science and Law, Shanghai International Studies University, and Shanghai University for further education. Some have also worked in banking systems such as Hangzhou United Rural Commercial Bank, Ningbo Bank Hangzhou Branch, and Taishun Rural Commercial Bank. Additionally, some have worked at Hangzhou Tonghuashun Data Development Co., Ltd. and Zhejiang Provincial External Service Company Ningbo Branch I work for well-known consulting and service companies such as Hangzhou Jinxi Information Technology Co., Ltd.

5. Professional characteristics

Financial engineering is a key major of the university. The characteristic of this major is "quantitative investment". Emphasize the cultivation of students' practical ability in "quantitative investment", build a virtual simulation laboratory platform, create a "production, learning, and research" platform jointly managed by schools, enterprises, and majors, and jointly cultivate students' practical ability in "quantitative investment" with relevant enterprises such as Tonghuashun Company, Caitong Securities, Telecom Wing Payment Financial Center, Shenzhen Guotai Min'an, Hangzhou Haitong Securities, Xixi Software Park, etc.



Our school's entrepreneurship and sustainable financial accounting research members went to the company for research.



Our school's innovation and entrepreneurship student office location - co-creation space.



Students take classes in the Financial Quantitative Investment Lab.



Our college held the "Song Rhyme-Zhejiang Tide" Innovation and Entrepreneurship Fair.



Our students won the first prize of the Zhejiang Provincial Securities Investment Competition and the first prize of the Financial Innovation Competition.