

Hangzhou Normal University Undergraduate Training Program in Economics (Financial Engineering)

(For International Students)

I. Training Objectives

The purpose of this program is to train students with high political quality [Objective 1], compound knowledge structure [Objective 2], international vision [Objective 3] and innovative spirits based on the compound knowledge [Objective 4]. The program requires student master the basic theories of finance, the principles and technologies of financial engineering, securities analysis and financing operation skills; have a comprehensive knowledge structure of economy, management, law and finance, and have a strong sense of market, competition and cooperation [Objective 5]; be able to analyze, study and solve financial problems by financial quantitative methods; be able to develop, design and combine new financial instruments and trading means, and be competent for specific work such as financial risk management, investment and cash management, corporate finance and financial product pricing [Objective 6].

II. Graduation Requirements

This program will be totally in line with the development of international trade practice with Chinese characteristic, while emphasizes the internationalization, application, and case studies. Students of this major mainly study basic mathematical theory, economic theory, financial theory and financial management knowledge; Students will receive basic training in finance and economics, and have the ability of theoretical analysis and practical operation. All the courses of this program, except a few Chinese-related ones, will be taught in English. Our graduates are required to acquire the following knowledge and capabilities:

1. Knowledge: The graduate should have basic knowledge of humanities, social sciences, master the basic theories and methods of finance, financial engineering, securities analysis, can combine the qualitative and quantitative research methods and skills, have comprehensive knowledge of economics, management, law and finance, grasp economic and financial policies and laws and current development of China as well as in main countries and areas in the world.

2. Ability: The graduate should have the basic skills and professional skills of doing financial risk management, investment, corporate finance and financial products pricing, grasp the basic skills in mathematical modeling and empirical research in financial markets on the basis of mathematical, statistical and quantitative research methods, have a strong learning ability, have the entrepreneurial knowledge, skills and innovation ability, have a

strong practical ability, cross cultural communication ability and social adaptability, master a foreign language and have the ability of listening, speaking, reading, writing and translation.

3. Quality: Be healthy both in physical and mental and have a higher cultural quality.

4. Language: Have certain communication ability with Chinese language.

5. Application: Capable of using the knowledge, theory and skills to manage or start a corporation.

III. “Training Objectives-Graduation Requirements” and “Graduation Requirements-Curriculum System” Correspondence Matrix

1. “Training Objectives-Graduation Requirements”

| | Objective 1 | Objective 2 | Objective 3 | Objective 4 | Objective 5 | Objective 6 |
|----------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Requirements 1 | | ● | | | ● | |
| Requirements 2 | | | ● | ● | ● | ● |
| Requirements 3 | ● | | | | | |
| Requirements 4 | | | ● | ● | ● | |
| Requirements 5 | | ● | | | ● | ● |

Note: Mark the appropriate column with “●”.

2. “Graduation Requirements-Curriculum System” Correspondence Matrix

(Identify by relevance, the degree of relevance between the course and a certain graduation requirement is qualitatively estimated according to the strength of the course’s satisfaction of the corresponding graduation requirement, **H**: Indicates high correlation; **M**: Indicates medium correlation; **L**: Indicates low correlation.)

| | Course Title | Graduation Requirements | | | | |
|--|------------------------------|-------------------------|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 |
| Ideological Education; Required Course | Orientation | | M | | | |
| | Chinese Language | | | | H | |
| | Overview of China | | | M | | |
| | China Road and China Model | | | M | | |
| | Social Project | | | M | | H |
| Subject Basics; Platform Course | Principles of Microeconomics | H | | M | | L |
| | Principles of Macroeconomics | H | | M | | L |
| | International Economics | H | | | | L |

| | Course Title | Graduation Requirements | | | | |
|------------------------------|--|-------------------------|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 |
| Professional Core Courses | Mathematical Fundamentals | H | | | | |
| | Calculus for Business and Economics | | M | | | |
| | Business Data Analysis | | H | | | M |
| | Introduction to Digital | H | | M | | |
| | Principles of Accounting | | | | | M |
| | Principles of Finance | H | | | | |
| | Principles of Management | M | | | | |
| | Chinese Economy (A Case on Yiwu) | H | | | | |
| | Financial Markets | M | | | | |
| | International Finance | M | | | | |
| | International Investment | M | | | | |
| | Corporate Finance | H | | | | M |
| | Designing and Pricing of Financial Derivatives | | H | | | M |
| | International Trade Law | | M | | | |
| | International Business English | | M | | | |
| | International Marketing | | M | | | |
| | Mathematical Finance | | H | | | |
| | Securities Investment | M | | | | |
| | Financial Risk Management | M | | | | |
| | Economic History of the Silk Road | | | H | | |
| | Multi-national Corporation Management | | | | | M |
| | Cross Border E-Commerce Practice | | M | | | |
| | International Business | | H | | | |
| | Analysis of Financial Time | | H | | | |
| Financial Engineering | | M | | | | |
| Chinese Economic Law | | M | | | | |
| Internship | Business Practice (Internship) | | M | | | H |

| | Course Title | Graduation Requirements | | | | |
|----------------------------------|---------------------|-------------------------|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 |
| Practice Graduation Thesis | Graduation Practice | | | | M | H |
| | Graduation Thesis | M | | | | H |

IV. Fundamental Subject Platform Courses and Professional Core Courses

1. Fundamental Subjects Platform Courses

Microeconomics, Macroeconomics, International Economics

2. Professional Core Courses

Microeconomics, Macroeconomics, International Economics, Mathematical Fundamentals, Calculus for Business and Economics, Business Data Analysis, Introduction to Digital, Principles of Accounting, Finance, Management, Chinese Economy (A Case on Yiwu), Financial Markets, International Finance, International Investment, Corporate Finance, Designing and Pricing of Financial Derivatives, International Trade Law, International Business English, International Marketing, Mathematical Finance, Securities Investment, Financial Risk Management, Economic History of the Silk Road, Multi-national Corporation Management, Cross Border E-Commerce Practice, International Business Negotiation, Analysis of Financial Time Series, Financial Engineering, Chinese Economic Law

V. Professional Admission and Graduation Standard

VI. Length of Schooling and Degree

1. Length of Schooling: The length of schooling is flexible, generally it lasts four years. The students can graduate three years in advance or within six years

2. Degree Conferred: Bachelor's Degree in economics

VII. Minimum Graduation Credits and Class Hours

1. Minimum Graduation Credits: 160.

2. Pass HSK 4 (new format) (score 180)

VIII. Course Structure, Curriculum and Distribution of Credits

1. Course Structure

The course structure consists of ideological education courses and professional courses:

Ideological education courses include Orientation, Chinese language, China Overview, China Road and China Model, as well as Social Project.

Professional Courses include fundamental subject platform courses and professional core courses.

Table 1: Course Structure

| Course Type | Type of Study | Number of Courses | Credit | | Internship and Practice Credits | |
|--------------------------------------|----------------------------|-------------------|-------------------|--------------|---|---------------------------------------|
| | | | Credits (numbers) | Credit Ratio | Internship and Practice Credits (numbers) | Internship and Practice Credits Ratio |
| Ideological Education Courses | Orientation | 1 | 1 | 0.625 | | |
| | Chinese Language | 9 | 30 | 18.75 | | |
| | China Overview | 2 | 4 | 2.5 | | |
| | China Road and China Model | 1 | 3 | 1.875 | | |
| | Social Project | 1 | 2 | 1.25 | | |
| Fundamental Subject Platform Courses | Required Courses | 3 | 11 | 6.875 | | |
| Professional Core Courses | Required Courses | 26 | 81 | 50.625 | | |
| Internship and Practice | Required Courses | 3 | 28 | 17.5 | 28 | 17.5 |
| Total | | 46 | 160 | 100 | 28 | 17.5 |

2. Curriculum and Distribution of Credits

Table 2: Ideological Education Curriculum and Credit Distribution

2.1. Ideological Education Required Courses: 40credits

| Course Code | Course Title | Course Credit | Class hours | | Recommended Semester | Note Extra-hours |
|-------------|---|---------------|---------------|-----------------|--------------------------|------------------|
| | | | Lecture class | Labs / Training | | |
| 271124001 | Orientation | 1 | 16 | | Semester One Year One | |
| 271111011 | Comprehensive Course in Elementary Chinese I | 4* | 64 | | Semester One Year One | |
| 271112011 | Elementary Chinese Listening and Speaking I | 4* | 64 | | Semester One Year One | |
| 271113012 | Comprehensive Course in Elementary Chinese II | 4* | 64 | | Semester Two Year One | |

| Course Code | Course Title | Course Credit | Class hours | | Recommended Semester | Note Extra-hours |
|-------------|---|---------------|---------------|-----------------|---|------------------|
| | | | Lecture class | Labs / Training | | |
| 271114012 | Elementary Chinese Listening and Speaking II | 4* | 64 | | Semester Two Year One | |
| 271115021 | Comprehensive Course in Intermediate Chinese I | 4* | 64 | | Semester One Year Two | |
| 271116021 | Intermediate Chinese Listening and Speaking I | 4* | 64 | | Semester One Year Two | |
| 271117022 | Comprehensive Course in Intermediate Chinese II | 2* | 32 | | Semester Two Year Two | |
| 271118022 | Intermediate Chinese Listening and Speaking II | 2* | 32 | | Semester Two Year Two | |
| 271119031 | HSK Intensive Course | 2* | 32 | | Semester One Year Three | |
| 271120011 | Overview of China I | 2* | 32 | | Semester One Year One | |
| 271121022 | Overview of China II | 2* | 32 | | Semester Two Year One | |
| 271122001 | China Road and China Model | 3* | 48 | | Semester One Year Two | |
| 271123302 | Social Project | 2 | 32 | | Semester Two Year Three or Semester One Year Four | |

Table 3: Professional Courses Curriculum and Credit Distribution

1. Fundamental Subjects Platform Courses: 11 Credits

| Course Code | Course Title | Course Credit | Class Hours | | Recommended Semester | Note Extra-hours | | |
|-------------|-------------------------------|---------------|---------------|-----------------|-----------------------|-------------------|--------------------|----------------------|
| | | | Lecture Class | Labs / Training | | Admission courses | Graduation courses | Minorin g in courses |
| 274125001 | ▲Principles of Microeconomics | 4* | 64 | | Semester One Year One | | | |
| 274126002 | ▲Principles of Macroeconomics | 4* | 64 | | Semester Two Year One | | | |
| 274127002 | ▲International Economics | 3* | 48 | | Semester Two Year One | | | |

2. Professional Core Courses: 81 Credits

| Course code | Course title | Course credit | Class hours | | Recommended Semester | Note Extra-hours | | |
|-------------|--|---------------|---------------|-----------------|-------------------------|-------------------|--------------------|---------------|
| | | | Lecture Class | Labs / Training | | Admission courses | Graduation courses | Minor courses |
| 274128001 | Mathematical Fundamentals | 3* | 48 | | Semester One Year One | | | |
| 274129001 | ▲Principles of Management | 3* | 48 | | Semester One Year One | | | |
| 274130002 | Principles of Finance | 3* | 48 | | Semester Two Year One | | | |
| 274131002 | Calculus for Business and Economics | 4* | 64 | | Semester Two Year One | | | |
| 274132001 | Business Data Analysis | 3* | 48 | | Semester One Year Two | | | |
| 274133001 | Principles of Accounting | 3* | 48 | | Semester One Year Two | | | |
| 274134001 | International Finance | 3 | 48 | | Semester One Year Two | | | |
| 274135001 | Chinese Economy (A Case on Yiwu) | 3 | 48 | | Semester One Year Two | | | |
| 274222001 | Corporate Finance | 3 | 48 | | Semester One Year Two | | | |
| 274137002 | Introduction to Digital Economy | 3 | 48 | | Semester Two Year Two | | | |
| 274223002 | Financial Markets | 3 | 48 | | Semester Two Year Two | | | |
| 274140002 | International Investment | 3 | 48 | | Semester Two Year Two | | | |
| 274224002 | Designing and Pricing of Financial Derivatives | 3 | 48 | | Semester Two Year Two | | | |
| 274138002 | International Business English | 3 | 48 | | Semester Two Year Two | | | |
| 274142002 | Economic History of the Silk Road | 3 | 48 | | Semester Two Year Two | | | |
| 274143001 | International Trade Law | 4* | 64 | | Semester One Year Three | | | |
| 274144001 | Chinese Economic Law | 4* | 64 | | Semester One Year Three | | | |

| | | | | | | | | |
|-----------|---------------------------------------|---|----|--|-------------------------|--|--|--|
| 274146001 | International Marketing | 3 | 48 | | Semester One Year Three | | | |
| 274225001 | Mathematical Finance | 3 | 48 | | Semester One Year Three | | | |
| 274226001 | Securities Investment | 3 | 48 | | Semester One Year Three | | | |
| 274227001 | Financial Risk Management | 3 | 48 | | Semester One Year Three | | | |
| 274150002 | Multi-national Corporation Management | 3 | 48 | | Semester Two Year Three | | | |
| 274152002 | Cross Border E-Commerce Practice | 3 | 48 | | Semester Two Year Three | | | |
| 274149002 | International Business Negotiation | 3 | 48 | | Semester Two Year Three | | | |
| 274228002 | Analysis of Financial Time Series | 3 | 48 | | Semester Two Year Three | | | |
| 274229002 | Financial Engineering | 3 | 48 | | Semester Two Year Three | | | |

Table 4: Internship and Practice Setup and Credit Distribution

1. Internship and Practice: 28Credits

| Course Code | Course Title | Course Credit | Class hours | | Recommended Semester | Note Extra-hours | | |
|-------------|--------------------------------|---------------|---------------|-----------------|-----------------------------|---------------------|--------------------|---------------|
| | | | Lecture class | Labs / Training | | Admission courses | Graduation courses | Minor courses |
| 274154301 | Business Practice (Internship) | 8 | | 128 | Semester One Year Four | | | |
| 274155302 | Graduation Practice | 8 | | 128 | Semester Two Year Four | | | |
| 274156001 | Graduation Thesis | 12 | | 192 | Semester One/ Two Year Four | | | |

Note: 1. Course Standard Description: Degree Course▲; Bilingual Course★, Separate Internship (training) Courses◆; Exam Course*.

2. Admission course, graduation courses, minoring in courses, leave a check mark (√).