

# Logistics Management

(Grade 2022)

**Course code: 120601**

## **I. Cultivation Objectives**

### 1. General cultivation objective

This program is based on the foundation of moral education, mainly cultivating application-oriented logistics technical and management talents who can adapt to the development needs of the modern logistics industry of China, and are technically proficient, responsible and internationalized, and can work in logistics enterprises and logistics departments in companies in procurement, transportation, warehousing, distribution, logistics information processing, logistics project design, planning and operation, etc.

### 2. Objective of value guidance

This program cultivates talents who love the motherland, have good overall development in moral, intellectual, physical, aesthetic and labour aspects, have good scientific literacy, integrity and social responsibility, have good human nature and scientific rationality, have international perspective and cultural integration ability, have political consciousness, big picture consciousness, consciousnesses of following the core leadership of the CPC Central Committee and acting in accordance with its requirements, and have both good moral and talent.

### 3. Five years after graduation, students in this program should achieve the following objectives:

Students will be able to develop into technical or managerial core player in the field of logistics in about five years after graduation, and will be able to independently solve logistics project operation problems and have the ability to work on preliminary logistics project planning and design. The training objectives of the program can reflect the comprehensive requirements of students in terms of knowledge, ability and overall quality, which can be further refined into five areas as follows.

- (1). Have good human and social science literacy, social responsibility, legal consciousness and professional ethics.
- (2). Have good knowledge of the natural sciences such as mathematics, Operations Research and knowledge of economics, trade and management required by Logistics Management.
- (3). Have good organizational and management skills, language skills, ability to work independently, interpersonal communication skills and teamwork spirit, and a certain international perspective, and be able to communicate and interact in a cross-cultural context.
- (4). Have a good spirit of innovation and a sense of lifelong learning, be able to use modern information technology to obtain relevant information and new technologies and knowledge, and to continuously improve their abilities.
- (5). Systematically master the basic theories involved in Logistics Management, be familiar with professional knowledge in procurement, transportation, warehousing, distribution, logistics information processing, logistics project design, planning and operation, etc., and have the professional skills to analyse, diagnose and solve complex logistics technology and management problems in the field of logistics.

## **II. Graduation requirements**

**1. Morality and Ethics:** Have a good humanistic foundation, scientific spirit, professionalism, sense of social responsibility and positive attitude towards people, understanding of national and social conditions and practicing core values of socialism.

1.1. Develop a correct perspective on the world, life and values.

1.2. Understand national conditions, defend national interests and have a sense of responsibility to promote national rejuvenation and social progress

1.3. Understand the nature and responsibilities of the profession of logistics technology and Management jobs and be able to consciously observe professional ethics and codes in the practice of logistics technology and management work, and have legal consciousness.

**2. Professional knowledge:** Have solid basic knowledge, professional knowledge and professional skills, master the basic research methods of the profession, and understand the latest developments and development trends of the profession and related fields.

2.1. Be able to apply mathematical knowledge of Advanced Mathematics, Linear Algebra, Probability Theory and Mathematical Statistics to the formulation of complex logistics engineering problems.

2.2. Understand the reasoning process of mathematical models used in logistics project operations and logistics solution design and be able to interpret them.

2.3. Be able to apply logistics professional knowledge to the analysis and implementation of solutions to complex logistics engineering problems

**3. Ability to innovate:** Have the ability to think logically and creatively, ability to identify, discern and evaluate phenomena and problems in the profession and related fields, and to form personal judgements and opinions.

3.1. Understand and master the basic business processes and fundamentals of logistics and be able to complete the design of procurement, transportation, warehousing, distribution and information processing solutions to meet specific customer needs.

3.2. Understand and master the basic theory and design principles of logistics systems and be able to design solutions to complex logistics system engineering problems.

**4. Ability to use knowledge:** Have the ability to solve complex problems, to conduct comprehensive analysis and research on complex problems in their field of profession and propose corresponding countermeasures or solutions.

4.1. Understand the background knowledge related to logistics projects and advanced logistics technology and equipment both domestically and internationally, and be able to reasonably analyse and evaluate logistics engineering practices.

4.2. Be able to program, plan and operate logistics projects within realistic constraints such as social, health, safety, legal, cultural, environmental and cost constraints

**5. Ability to use Data Information:** Have the ability to use information technology, to apply modern information technology tools and instruments appropriately to solve practical problems.

5.1. Be able to use advanced technology and IT tools in the profession, to use big data to drive theoretical systems, knowledge, ideas and methods of business. Be able to make full use of logistics business data to support logistics projects in the process of analyzing problems, asking questions and solving problems.

5.2. Be able to correctly collect and collate logistics business data, and analyse, interpret and model the logistics data collected to obtain reasonable and valid conclusions.

**6. Communication and Expression:** Have strong communication and expression skills, ability to communicate effectively with peers and the public through oral and written expressions.

6.1. Be able to express their views orally or in writing and communicate effectively with industry peers and the public on complex logistics technology and management issues.

6.2. Be able to express professional opinions accurately and effectively through report writing, presentation, writing design manuscript and defence, with good written and oral presentation skills

**7. Teamwork:** Have good teamwork skills, ability to work harmoniously and collaboratively with team members and to play an active role in team activities as a member or leader.

7.1. Be able to understand the meaning of teamwork, to communicate effectively with team members and to play a role in a team according to the requirements of the role.

7.2. Be able to control themselves and understand the needs and wishes of others, and to gradually master the art of leadership and have some leadership skills.

**8. International perspective:** Have an international perspective, international understanding, understanding of international dynamics, concern for global issues, and understanding and respect for the differences and diversity of the world's different cultures.

8.1. Have a good knowledge of at least one foreign language (English), an international perspective and the ability to communicate and interact in an intercultural context.

8.2. Have an international perspective and international understanding, keep abreast of developments in international logistics operations and international logistics and supply chain management issues.

8.3 Be familiar with international conventions and international rules in the field of international logistics.

**9. Learning and Development:** Have a sense of lifelong learning and the ability to self-manage and learn independently, and the ability to adapt to social and personal sustainable development through continuous learning.

9.1. Be able to recognize the need for continuous exploration and learning, and have a sense of independent and lifelong learning.

9.2. Be equipped with the knowledge base for lifelong learning, master the methods of independent learning and understand ways to expand their knowledge and competences.

9.3. Be able to adopt appropriate methods for personal or professional development needs, to learn independently and to adapt to development

9.4. Keep abreast of new theories, technologies and international frontiers in the field of logistics

**Graduation requirements support the training objectives**

| <b>Graduation requirements</b> | Objective 1 | Objective 2 | Objective 3 | Objective 4 | Objective 5 |
|--------------------------------|-------------|-------------|-------------|-------------|-------------|
| Character and moral integrity  | ✓           |             |             |             |             |
| Subject knowledge              |             | ✓           |             |             | ✓           |
| Innovation capacity            |             |             |             | ✓           | ✓           |
| Application capabilities       |             |             |             |             | ✓           |
| Information applications       |             |             |             | ✓           | ✓           |
| Communication expression       |             |             | ✓           |             |             |
| Teamwork                       |             |             | ✓           |             |             |
| International Perspectives     |             |             | ✓           |             |             |
| Learning Development           |             |             |             | ✓           |             |

### III. Schooling System

Four years.

### IV. Length of Study

Flexible study period, generally four years, the minimum length of flexibility is not less than three years, the longest not more than six years.

### V. Requirements for Graduation and Degree Conferring

Students must complete the minimum number of credits required by the Instructive Cultivation Plan and the Extracurricular Class, with a total of 153 credits, in order to graduate from the programme.

### VI. Discipline

Economics, Management, Management Science and Engineering

### VII. Core Courses

Western Economics; Management; Applied Statistics; Logistics Engineering; Logistics Operations Research; Purchasing and Supply Chain Management; Transport Management; Warehouse and Distribution Management; International Freight Forwarding; Logistics Information Management

### VIII. Course Structure and Course Hours (excluding Extracurricular Class)

| <b>Category</b>                 | <b>Total Credit</b> | <b>%</b> | <b>Total Course Hours</b> | <b>Theory Learning</b> | <b>Practical Training</b> |
|---------------------------------|---------------------|----------|---------------------------|------------------------|---------------------------|
| Public Fundamental Course       | 48.5                | 32       | 912                       | 828                    | 84                        |
| General Education               | 10                  | 6        | 160                       | 160                    | 0                         |
| Professional Fundamental Course | 21                  | 14       | 336                       | 324                    | 12                        |
| Professional Course             | 41                  | 27       | 656                       | 524                    | 132                       |
| Professional Practice           | 31.5                | 21       | 904                       | 0                      | 904                       |
| Total                           | 152                 | 100      | 2968                      | 1836                   | 1132                      |
| <b>Theory:Practical (%)</b>     | <b>62 : 38</b>      |          |                           |                        |                           |

## IX. Teaching schedule (1)

| Category                                    | Type  | Provided by                          | Course Code           | Course Name  | Assessment | Credit      | Course Hours | Theory Learning | Practical Training | Recommended semester |
|---|---|--------------------------------------|-----------------------|--|------------|-------------|--------------|-----------------|--------------------|----------------------|
| Public Fundamental Course                   | required  | School of Marxism                    | b1080001              | Basic Principles of Marxism  | test       | 3           | 48           | 42              | 6                  | Autumn 1             |
|   | required  | School of Marxism                    | b1080009              | Ethics and the Rule of Law   | non-test   | 3           | 48           | 42              | 6                  | Autumn 1             |
|   | required  | School of Marxism                    | b1080006              | Outline of Modern Chinese History  | non-test   | 3           | 48           | 42              | 6                  | Spring 1             |
|   | required  | School of Marxism                    | b1080004              | Introduction to Mao Zedong Thought and the Theoretical System of Socialism with Chinese Characteristics I  | test       | 3           | 48           | 42              | 6                  | Autumn 2             |
|   | required  | School of Marxism                    | b1080007              | Introduction to Mao Zedong Thought and the Theoretical System of Socialism with Chinese Characteristics II | test       | 2           | 32           | 28              | 4                  | Spring 2             |
|   | required  | School of Marxism                    | -----                 | Situation and Policy (Modules 1 to 4)  | non-test   | 2           | 32           | 28              | 4                  | Autumn 1 to          |
|   | required  | School of Marxism                    | b1080008              | Labour Education A   | non-test   | 0.5         | 16           | 16              |                    | Spring 1             |
|   | required  | College of Arts and Sciences         | b1020082              | Advanced Mathematics B1  | test       | 4           | 64           | 64              |                    | Autumn 1             |
|   | required  | College of Arts and Sciences         | b1020083              | Advanced Mathematics B2  | test       | 2           | 32           | 32              |                    | Spring 1             |
|   | required  | College of Arts and Sciences         | b1020012              | Linear Algebra   | test       | 2           | 32           | 32              |                    | Autumn 2             |
|   | required  | College of Arts and Sciences         | b1020013              | Probability Theory and Mathematical Statistics   | test       | 2           | 32           | 32              |                    | Autumn 2             |
|   | required  | College of Arts and Sciences         | b1020018              | Academic Chinese   | non-test   | 2           | 32           | 32              |                    | Autumn 1             |
|   | required  | College of Physical Education        | -----                 | Physical Education I to VI   | non-test   | 3           | 160          | 160             |                    | Autumn 1 to          |
|   | required  | Others                               | b1110003              | Military skills  | non-test   | 0.5         | 2W           |                 |                    | Autumn 1             |
|   | required  | College of Arts and Sciences         | b1110002              | Military theory  | non-test   | 0.5         | 32           | 32              |                    | Spring 1             |
|   | required  | Engineering Training                 | b1090001              | Basic Engineering Training   | non-test   | 2           | 32           |                 | 32                 | Spring 1             |
|   | required  | College of Resources and Environment | b1013001              | Academic Chemistry   | test       | 2           | 32           | 28              | 4                  | Autumn 1             |
|   | required  | Others                               | b1110004              | Mental Health Education for University Students  | non-test   | 2           | 32           | 16              | 16                 | Spring 1             |
|   | ★<br>Academic English(Select 1 Module for 10 Credits) | Module A                             | b1020003              | General English III  | test       | 3           | 48           | 48              |                    | Autumn 1             |
|   |   |                                      | b1020004              | General English IV   | test       | 3           | 48           | 48              |                    | Spring 1             |
|   |   |                                      | b1020005              | General Academic English A   | test       | 2           | 32           | 32              |                    | Autumn 2             |
|   |   |                                      | ---                   | English Knowledge Expansion  | non-test   | 2           | 32           | 32              |                    | Spring 2             |
|   |   | Module B                             | b1020002              | General English II   | test       | 3           | 48           | 48              |                    | Autumn 1             |
|   |   |                                      | b1020003              | General English III  | test       | 3           | 48           | 48              |                    | Spring 1             |
|   |   |                                      | b1020006              | General Academic English B   | test       | 2           | 32           | 32              |                    | Autumn 2             |
|   |   |                                      | ---                   | English Knowledge Expansion  | non-test   | 2           | 32           | 32              |                    | Spring 2             |
|   |   | Module C                             | b1020001              | General English I  | test       | 4           | 64           | 64              |                    | Autumn 1             |
|   |   |                                      | b1020002              | General English II   | test       | 3           | 48           | 48              |                    | Spring 1             |
| b1020003                                    |   |                                      | General English III   | test   | 3          | 48          | 48           |                 | Autumn 2           |                      |
| ★<br>Academic German                        |   | College of Arts and Sciences         | b1020040              | Academic German I  | test       | 3           | 48           | 48              |                    | Autumn 1             |
|   |   | College of Arts and Sciences         | b1020041              | Academic German II   | test       | 3           | 48           | 48              |                    | Spring 1             |
|   |   | College of Arts and Sciences         | b1020042              | Academic German III  | test       | 4           | 64           | 64              |                    | Autumn 2             |
| ★<br>Academic Japanese                      |   | College of Arts and Sciences         | b1020077              | Academic Japanese I  | test       | 3           | 48           | 48              |                    | Autumn 1             |
|   | College of Arts and Sciences                          | b1020078                             | Academic Japanese II  | test   | 3          | 48          | 48           |                 | Spring 1           |                      |
|   | College of Arts and Sciences                          | b1020079                             | Academic Japanese III | test   | 4          | 64          | 64           |                 | Autumn 2           |                      |
| <b>Subtotal (Public Fundamental Course)</b> |   |                                      |                       |  |            | <b>48.5</b> | <b>912</b>   | <b>828</b>      | <b>84</b>          |                      |
| General Education                           | selective   | Art Education Center                 | b0-----               | Aesthetic Education  | non-test   | 2           | 32           | 32              |                    | Autumn, Spring       |
|   | selective   | Each College                         |                       | Social Sciences and Humanistic Qualities   | non-test   | 4           | 64           | 64              |                    | Autumn, Spring       |
|   |   |                                      | b0-----               | Natural Sciences and Technology Innovation   | non-test   | 4           | 64           | 64              |                    | Autumn, Spring       |
| <b>Subtotal (General Education)</b>         |   |                                      |                       |  |            | <b>10</b>   | <b>160</b>   | <b>160</b>      |                    |                      |

(★Note: The first foreign language is 10 credits in total, including 3 languages: Academic English, Academic German and Academic Japanese, choose the appropriate language as required; When Academic English is chosen, please choose the appropriate module in Module A, B, C)

## IX. Teaching schedule (2)

| Category  | Type   | Provided by                        | Course Code   | Course Name  | Assessment | Credit | Course Hours | Theory Learning | Practical Training | Recommended semester |            |  |
|---|--|------------------------------------|---|--|------------|--------|--------------|-----------------|--------------------|----------------------|------------|--|
| <b>Professional Fundamental Course</b>            | required   | School of Economics and Management | b2030037  | Management Studies                                   | test       | 3      | 48           | 48              |                    | Spring 1             |            |  |
|   | required   | School of Economics and Management | b2030145  | Western Economics                                    | test       | 4      | 64           | 64              |                    | Autumn 2             |            |  |
|   | required   | School of Economics and Management | b2030060  | Principles of Accounting                             | test       | 3      | 48           | 48              |                    | Autumn 1             |            |  |
|   | required   | School of Economics and Management | b2030360  | Operations Management                                | test       | 2      | 32           | 28              | 4                  | Autumn 2             |            |  |
|   | required   | School of Economics and Management | b2030082  | Economic Law   | test       | 3      | 48           | 48              |                    | Spring 1             |            |  |
|   | required   | School of Economics and Management | b2030187  | Theory and Practice of International Trade           | test       | 3      | 48           | 48              |                    | Spring 2             |            |  |
| <b>Subtotal (Professional Fundamental Course)</b> |  |                                    |   |  |            |        | <b>21</b>    | <b>336</b>      | <b>324</b>         | <b>12</b>            |            |  |
| <b>Professional Course</b>                        | required   | School of Economics and Management | b2030011  | Procurement and Supply Chain Management              | test       | 3      | 48           | 36              | 12                 | Spring 2             |            |  |
|   | required   | School of Economics and Management | b2030361  | Transport Management                                 | test       | 4      | 64           | 52              | 12                 | Spring 2             |            |  |
|   | required   | School of Economics and Management | b2030013  | Warehouse and Distribution Management                | test       | 3      | 48           | 36              | 12                 | Autumn 3             |            |  |
|   | required   | School of Economics and Management | b2030362  | Logistics Information Management                     | test       | 3      | 48           | 36              | 12                 | Autumn 3             |            |  |
|   | required   | School of Economics and Management | b2030144  | English for Logistics Professionals                  | test       | 2      | 32           | 24              | 8                  | Autumn 4             |            |  |
|   | required   | School of Economics and Management | b2030363  | Logistics Operations Research                        | test       | 3      | 48           | 40              | 8                  | Spring 2             |            |  |
|   | required   | School of Economics and Management | b2030364  | Logistics Engineering                                | test       | 3      | 48           | 40              | 8                  | Spring 2             |            |  |
|   | required   | School of Economics and Management | b2030365  | International Freight Forwarding                     | test       | 3      | 48           | 32              | 16                 | Spring 3             |            |  |
|   | required   | School of Economics and Management | b2030354  | Corporate Logistics Management                       | test       | 3      | 48           | 36              | 12                 | Autumn 3             |            |  |
|   | required   | School of Economics and Management | b2030136  | Logistics Geography                                  | non-test   | 2      | 32           | 28              | 4                  | Autumn 2             |            |  |
|   | required   | School of Economics and Management | b2030137  | Logistics regulations                                | non-test   | 2      | 32           | 28              | 4                  | Autumn 4             |            |  |
|   | selective<br>2 credits   | School of Economics and Management | b2030209  | Quality Management                                   | non-test   | 2      | 32           | 28              | 4                  | Spring 3             |            |  |
|   |  | School of Economics and Management | b2030210  | Service Supply Chain                                 | non-test   | 2      | 32           | 28              | 4                  | Spring 3             |            |  |
|   | <b>Subtotal(Required Professional Course)</b>                    |                                    |   |  |            |        |              | <b>33</b>       | <b>528</b>         | <b>412</b>           | <b>116</b> |  |
|   | ★<br>Select different courses in different modules for 8 credits | Module A                           | b2030027  | Multimodal transport                                 | test       | 2      | 32           | 28              | 4                  | Autumn 3             |            |  |
|   |  |                                    | b2030002  | Reverse Logistics Management                         | test       | 2      | 32           | 28              | 4                  | Autumn 4             |            |  |
|   |  |                                    | b2030138  | Logistics risk and insurance                         | test       | 2      | 32           | 28              | 4                  | Autumn 4             |            |  |
|   |  |                                    | b2030355  | Cross-border e-commerce logistics                    | non-test   | 2      | 32           | 28              | 4                  | Autumn 4             |            |  |
|   |  | Module B                           | b2030056  | Chemical Fundamentals                                | test       | 2      | 32           | 28              | 4                  | Autumn 3             |            |  |
|   |  |                                    | b2030057  | Chemical packaging, transport and storage management | test       | 2      | 32           | 28              | 4                  | Autumn 4             |            |  |
| b2030134  |  |                                    | Laws, regulations and standards for dangerous goods logistics | non-test   | 2          | 32     | 28           | 4               | Autumn 4           |                      |            |  |
| b2030059  |  |                                    | Safety management of chemical logistics systems               | test   | 2          | 32     | 28           | 4               | Autumn 4           |                      |            |  |
| Module C  |  | b2030356                           | Big Data and Cloud Computing                                  | test   | 2          | 32     | 28           | 4               | Autumn 3           |                      |            |  |
|   |  | b2030357                           | Internet of Things  | non-test   | 2          | 32     | 28           | 4               | Autumn 4           |                      |            |  |
|   |  | b2030358                           | Intelligent logistics systems                                 | test   | 2          | 32     | 28           | 4               | Autumn 4           |                      |            |  |
|   |  | b2030359                           | Supply Chain Finance  | non-test   | 2          | 32     | 28           | 4               | Autumn 4           |                      |            |  |
| <b>Subtotal (Selective Professional Course)</b>   |  |                                    |   |  |            |        | <b>8</b>     | <b>128</b>      | <b>112</b>         | <b>16</b>            |            |  |
| <b>Subtotal (Professional Course)</b>             |  |                                    |   |  |            |        | <b>41</b>    | <b>656</b>      | <b>524</b>         | <b>132</b>           |            |  |

## IX. Teaching schedule (3)

| Category   | Type   | Provided by                        | Course Code  | Course Name  | Assessment | Credit      | Course Hours | Theory Learning | Practical Training | Recommended Semester   |  |
|--|--|------------------------------------|--|--|------------|-------------|--------------|-----------------|--------------------|------------------------|--|
| Professional Practice                            | required   | School of Economics and Management | b4000030   | the Program of Logistics Management Innovation and Entrepreneurship                | non-test   | 2           | 48           |                 | 48                 | Spring 3               |  |
|  | required   | School of Economics and Management | b4030057   | Practice for Business etiquette and business communication                         | non-test   | 1           | 24           |                 | 24                 | Summer 1               |  |
|  | required   | School of Economics and Management | b4030073   | Cognitive Practice for Logistics Career  | non-test   | 1           | 24           |                 | 24                 | Summer 1               |  |
|  | required   | School of Economics and Management | b4030186   | Cognitive Practice for Cargo, packaging, documentation                             | non-test   | 2           | 48           |                 | 48                 | Summer 1               |  |
|  | required   | School of Economics and Management | b4030151   | Practice in a virtual business social environment (VBSE)                           | non-test   | 1           | 24           |                 | 24                 | Summer 1               |  |
|  | required   | School of Economics and Management | b4030215   | Tendering practices for logistics projects   | non-test   | 1           | 24           |                 | 24                 | Summer 2               |  |
|  | required   | School of Economics and Management | b4030216   | Practice for Basic Logistics Operations  | non-test   | 2           | 48           |                 | 48                 | Summer 2               |  |
|  | required   | School of Economics and Management | b4030217   | Logistics standardization  | non-test   | 2           | 48           |                 | 48                 | Summer 2               |  |
|  | required   | School of Economics and Management | b4030072   | Logistics Marketing Planning   | non-test   | 3           | 72           |                 | 72                 | Autumn 3               |  |
|  | required   | School of Economics and Management | b4030218   | Practice for Logistics facilities, equipment and technology integrated application | non-test   | 3           | 72           |                 | 72                 | Summer 3               |  |
|  | required   | School of Economics and Management | b4030180   | Logistics system design and planning   | non-test   | 3           | 72           |                 | 72                 | Spring 3               |  |
|  | required   | School of Economics and Management | b4030200   | Labour Education B   | non-test   | 0.5         | 16           |                 | 16                 | Spring 3               |  |
|  | required   | School of Economics and Management | b4030137   | Logistics Management Graduation Internship and Graduation Design (Thesis)          | non-test   | 6           | 288          |                 | 288                | Spring 4               |  |
|  | <b>Subtotal(Required Professional Practice)</b>                  |                                    |  |  |            |             | <b>27.5</b>  | <b>808</b>      |                    | <b>808</b>             |  |
|  | ★<br>Select different courses in different modules for 4 credits | Module A                           | b4030181   | Free Trade Zone and Bonded Logistics   | non-test   | 2           | 48           |                 | 48                 | Spring 3               |  |
|  |  |                                    | b4030029   | Practice for International Logistics Project Operations                            | non-test   | 1           | 24           |                 | 24                 | Summer 3               |  |
|  |  |                                    | b4030028   | Practice for International Logistics Project Solution Design                       | non-test   | 1           | 24           |                 | 24                 | Summer 3               |  |
|  |  | Module B                           | b4030182   | Chemical logistics services and operations   | non-test   | 2           | 48           |                 | 48                 | Spring 3               |  |
|  |  |                                    | b4030031   | practice for Chemical logistics project operations                                 | non-test   | 1           | 24           |                 | 24                 | Summer 3               |  |
|  |  | Module C                           | b4030030   | Practice for Chemical Logistics Project Solution Design                            | non-test   | 1           | 24           |                 | 24                 | Summer 3               |  |
| b4030183   |  |                                    | Intelligent logistics facilities and equipment and their use | non-test   | 2          | 48          |              | 48              | Spring 3           |                        |  |
| <b>Subtotal(Selective Professional Practice)</b> |  |                                    |  |  |            | <b>4</b>    | <b>96</b>    |                 | <b>96</b>          |                        |  |
| <b>Subtotal(Professional Practice)</b>           |  |                                    |  |  |            | <b>31.5</b> | <b>904</b>   |                 | <b>904</b>         |                        |  |
| Extracurricular Class                            | required   | Others                             | b5110001   | Extracurricular Class  | Non-Test   | 1           | -            | -               | -                  | Autumn, Spring, Summer |  |
| <b>Total</b>                                     |  |                                    |  |  |            | <b>153</b>  | <b>2968</b>  | <b>18183 6</b>  | <b>11113 2</b>     |                        |  |

### ★ Description of Selective Professional Course and Selective practice:

Selective Professional Courses are divided into modules according to different competency requirements, and students must take one of the modules and achieve the required credits for that module. Professional practice modules must be taken in accordance with the corresponding professional course modules.

#### Module A: International Logistics

This module focuses on the study of international freight forwarding, bonded logistics, multimodal transport and other course knowledge, cultivating technical talents who are familiar with international logistics business processes and operational knowledge, have the business ability of international procurement, international transportation, international distribution, etc., and are able to carry out the operation and management of international logistics projects.

#### Module B: Chemical Logistics

This module focuses on the study of chemical fundamentals, chemical logistics services and operations, chemical transport management, dangerous goods logistics laws and regulations and other course knowledge, cultivating technical talents who are familiar with chemical logistics business processes and operational knowledge, have the business ability of dangerous chemicals transport, warehousing and distribution, dangerous chemicals safety management, etc., and can carry out chemical logistics project operation and management.

#### Module C: Intelligent Logistics Module

This module focuses on the learning of big data and cloud computing, Internet of Things, intelligent logistics systems and other course knowledge, cultivating technical talents who are familiar with intelligent logistics business processes and operational knowledge, with intelligent logistics equipment operation, intelligent logistics solution design and other business capabilities, and can carry out intelligent logistics project operation and management of technical personnel.

## X. Prerequisite for Course Study

| No. | Course Name                           | Prerequisite Course                        | No. | Course Name   | Prerequisite Course  |
|-----|---------------------------------------|--|-----|---|--|
| 1   | Warehouse and Distribution Management | Logistics Geography                        | 5   | Logistics Operations Research                         | University Mathematics   |
|     |                                       | Logistics Engineering                      |     |   | Probability Theory and Mathematical Statistics                 |
| 2   | International Freight Forwarding      | Theory and Practice of International Trade | 6   | Logistics regulations                                 | Economic Law   |
|     |                                       | Transport Management                       |     |   | Transport Management   |
|     |                                       |  |     |   | Warehouse and Distribution Management                          |
| 3   | English for Logistics Professionals   | Procurement and Supply Chain Management    | 7   | Hazardous Materials Logistics Services and Operations | Chemical fundamentals  |
|     |                                       | Transport Management                       |     |   | Hazardous chemical packaging, transport and storage management |
|     |                                       | Warehouse and Distribution Management      |     |   |  |
| 4   | Logistics planning and design         | Procurement and Supply Chain Management    | 8   |   |  |
|     |                                       | Transport Management                       |     |   |  |
|     |                                       | Warehouse and Distribution Management      |     |   |  |
|     |                                       | Logistics Information Management           |     |   |  |

## XI. Credit of Extracurricular Class

Through taking extracurricular classes, students are encouraged to take part in academic lectures, social practice activities, campus cultural and sports activities, innovative and entrepreneurial activities, voluntary activities, etc. to improve their social adaptability and enhance the competitiveness in the job market. Details are specified in Students' Manual.