

# T/GXAS

## Association Standard

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Specification for talents training of  
ASEAN logistics industry college

面向东盟物流产业学院人才培养规范

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## Foreword

In case of any doubt about the contents of English translation, the Chinese original shall be considered authoritative.

This document is drafted in accordance with the rules given in the GB/T 1.1—2020 *Directives for standardization—Part 1: Rules for the structure and drafting of standardizing documents*, the GB/T 20000.11—2016 *Guides for standardization—Part 11: General presentation of the English translation of Chinese national standards* and GB/T 20000.10—2016 *Guidelines for standardization—Part 10: General rules for the English translation of Chinese national standards*.

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# Specification for talents training of ASEAN logistics industry college

## 1 Scope

This document specifies the basic requirements, education mode, training objectives, training system, training subjects, education management, teaching staff, facilities and equipment, evaluation and improvement requirements for talent training of ASEAN logistics industry college.

This document is applicable to the training talents for the ASEAN logistics industry college.

## 2 Normative references

There are no normative reference documents available in this document.

## 3 Terms and definitions

There are no terms and definitions to be defined in this document.

## 4 Basic requirement

4.1 A working mechanism of collaborative education among colleges, enterprises and industry associations shall be established.

4.2 Exchanges and cooperation in personnel training with ASEAN countries shall be strengthened. A common curriculum system for ASEAN logistics, and train international technical and skilled personnel shall be developed.

4.3 Talent needs of ASEAN shall be met accurately. Practical teaching shall be strengthened. Research and development by colleges and enterprises shall be encouraged, and a logistics talent training system for ASEAN shall be built.

## 5 Education mode

The college-enterprise-industry cooperation model shall be implemented. It is co-established by closely related units of colleges, enterprises and industry associations, including China-ASEAN enterprises, China-ASEAN colleges and related industry associations.

## 6 Training objectives

Talents with scientific and cultural knowledge, professional ethics and innovation consciousness, employment ability and sustainable development ability, abilities of cross-border business customs clearance, cross-border supply chain management, cross-border transportation, overseas warehousing and other professional abilities of ASEAN logistics technical skills shall be cultivated according to the specifications for training talents of industry college, logistics management professional talents training plan and "1 + X" supply chain data analysis professional skill level certificates, "1 + X" logistics management professional skill level certificates and other related skill level certificate requirements,

## 7 Training system

See Figure 1.

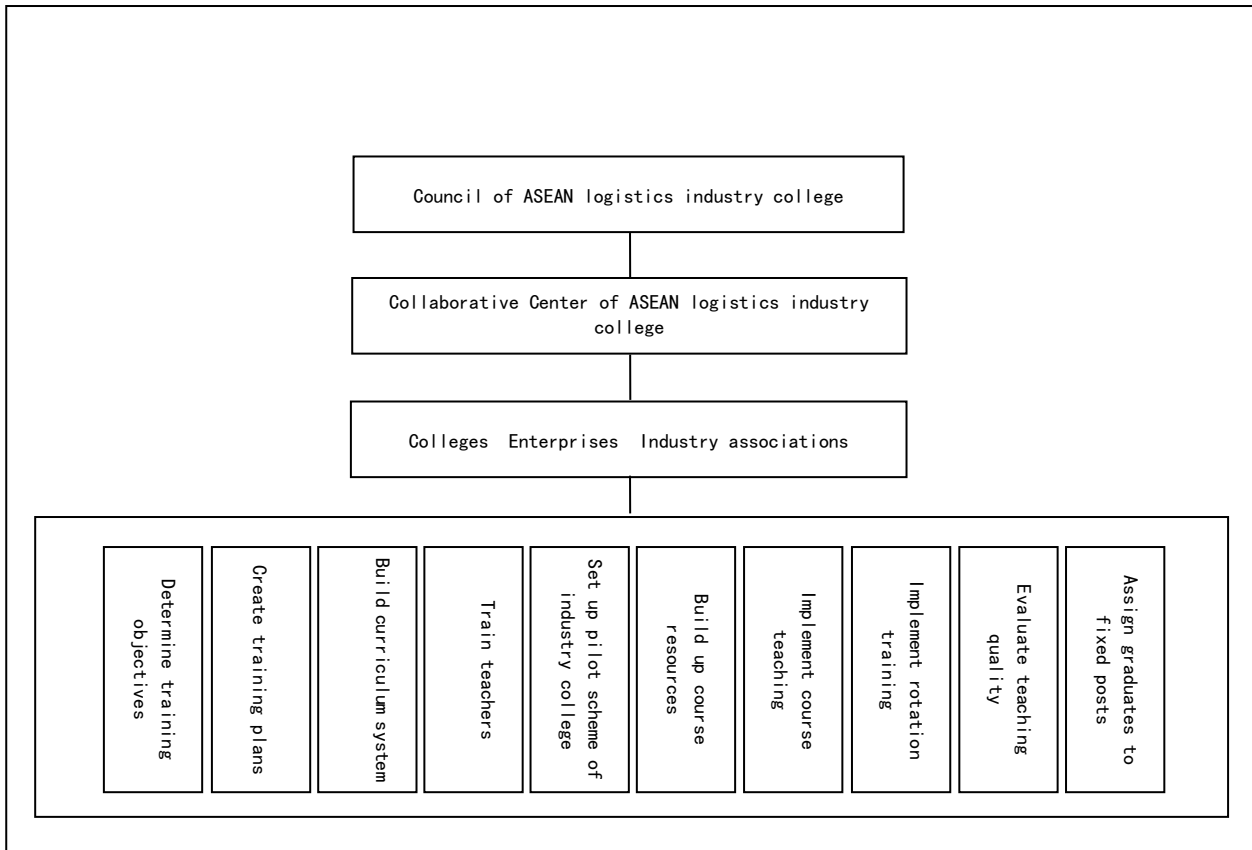


Figure 1 Talents training system of ASEAN logistics industry college

## 8 Training body

### 8.1 Colleges

8.1.1 Colleges have been recorded by the national education department, and have the qualification to recruit students with full-time academic qualifications.

8.1.2 Colleges have the conditions to train professional and technical talents for ASEAN.

8.1.3 Colleges have the foundation and platform for foreign exchanges and cooperation with ASEAN countries.

8.1.4 Colleges set up the major of logistics vocational education.

8.1.5 Colleges formulate the development plan of the college according to the ASEAN logistics industry, including but not limited to:

- jointly creating the talent training plan for ASEAN logistics industry college with enterprises, and determining the curriculum system and teaching arrangement;
- being equipped with the software and hardware resources needed for the talent training of the ASEAN logistics industry college;
- cultivating students' professional knowledge, skills and sustainable development ability, as well as students' sense of responsibility and professional quality in career development and social life, according to the curriculum system of the talents training plan of ASEAN logistics industry college.

8.1.6 Colleges establish the council of ASEAN logistics industry college, and jointly set



up a pilot scheme or institutions needed for the future development with enterprises.

8.1.7 Colleges establish a tripartite training agreement of ASEAN logistics industry college with enterprises and students, stipulating the responsibilities, rights and interests of the three parties in the training process.

## 8.2 Enterprises

8.2.1 The main leading cooperative enterprises shall meet the identification standards of leading enterprises in the region.

8.2.2 Enterprises shall have the foundation for running logistics business in ASEAN.

8.2.3 Enterprises shall sign a tripartite training agreement for ASEAN logistics industry college with colleges and students, stipulate the responsibilities, rights and interests of the three parties in the training process, and formulate talent training plans for ASEAN logistics industry college, including but not limited to:

- providing excellent software and hardware resources and management services for student training according to the training goals set by enterprises and colleges, and strengthening the guidance for students' career planning;
- providing industrial mentors to work with schools to develop talent training programs, establishing quality evaluation schemes, supervision systems, and regular feedback mechanisms for talent training.

## 8.3 Industry associations

8.3.1 Industry associations leverage respective advantages, assist schools in attracting and selecting ASEAN cooperative enterprises, and assist both parties in signing strategic cooperation agreements to enhance the quality of school-enterprise cooperation.

8.3.2 Industry associations provide professional teaching guidance for talent training in industrial colleges to enhance the quality of talent training.

8.3.3 As an independent third party, industry associations assist schools and enterprises in quantifying the evaluation standards for cooperation and build a quality evaluation system for logistics industry Integration of production and education.

## 9 Education management

### 9.1 Education plan

#### 9.1.1 Colleges

##### 9.1.1.1 Course setting

9.1.1.1.1 Public foundation course module: 10 to 15 courses. For domestic students, relevant courses shall be opened in accordance with the "Guiding Opinions of the Ministry of Education on Drafting Curriculum Plans for Talent Cultivation"; for students from ASEAN countries, additional language courses shall be set up based on the characteristics of the source countries.

9.1.1.1.2 Professional foundation course module: 6 to 8 courses. Related courses shall be opened around the logistics industry, the operation of ASEAN logistics enterprises, and the cognition of logistics industry development in ASEAN countries.

9.1.1.1.3 Professional core course module: 6 to 8 courses. Related courses shall be opened around the core vocational capabilities of smart warehousing, transportation, and distribution in the logistics industry.

9.1.1.1.4 Professional expansion course module. Related courses shall be opened around language application and cognition of ASEAN regional cultures.

#### 9.1.1.2 Form

The form of classroom teaching shall be adopted, in which the students are taught theoretical and some practical content of public foundation courses, professional foundation courses, core professional courses, and professional expansion courses.

#### 9.1.1.3 Class hours

The total number of class hours is 2 000 to 2 200, including 830 to 870 class hours for public foundation courses, 680 to 730 class hours for professional foundation courses, 300 to 360 class hours for core professional courses, and 190 to 240 class hours for professional expansion courses.

### 9.1.2 Enterprises

#### 9.1.2.1 Course setting

Practical teaching of courses related to the cognition in cooperative enterprises of logistics industry college, operation management of the ASEAN logistics project, market survey and analysis of the ASEAN logistics market, ASEAN corporate culture, data analysis of ASEAN logistics data, management of cross-border transportation in ASEAN, and procurement and supply chain management of ASEAN enterprises, and practical training in logistics industry enterprise work stations, shall be conducted.

#### 9.1.2.2 Form

The training is carried out by group rotation training and job rotation training.

#### 9.1.2.3 Class Hours

500 to 600 class hours in total. It accounts for more than 25% of the total class hours of the ASEAN logistics industry college talent development plan.

### 9.2 Education implementation

9.2.1 Daily management regulations shall be established, including student recruiting, teaching, internships, and employment, and management, guidance, and evaluation from superior education authorities and industry associations shall be accepted.

9.2.2 The distinctive features shall be formed in serving the ASEAN logistics industry college, and quality and specifications of training clearly shall be clarified.

9.2.3 After the student rotation training, according to the match between the position and the student, enterprises organize the students and departments to make a two-way choice of post assignment.

9.2.4 Students are trained and taught in a cyclical and stage-based manner between colleges and departments of enterprises in accordance with the talent development plan and teaching progress of the ASEAN logistics industry college.

## 10 Teaching staff

### 10.1 College teachers

College teachers are responsible for curriculum development and teaching implementation, as well as cultivating students' professional knowledge, basic vocational skills and humanistic qualities. The qualifications and abilities of teachers should include but not be limited to:

- two or more years of accumulated enterprise practice experience, spending no less than one month per year in the cooperative enterprises of the industry college, with practical

- project operation ability and reaching the corresponding technical and vocational skills level;
- lecturer (or engineer, experimentalist) and above technical titles;
  - intermediate or higher level of professional qualification certificates of logistics engineer, logistics service engineer, supply chain manager, modeling engineer, field engineer, etc.;
  - teacher's qualification certificate;
  - familiarization with the current development status of logistics industry and the national conditions of ASEAN countries;
  - certificate of band 4 or above of College English Test;
  - language abilities of ASEAN countries;
  - familiarization with the professional technical job tasks in enterprises, and mastering of the production and service processes and technical standards of the job;
  - abilities of developing teaching content based on job tasks, formulating teaching plans, and designing a complete teaching process based on production and service processes;
  - abilities of applying various teaching methods and teaching approaches flexibly;
  - scientific culture and professional knowledge to match professional teaching;
  - good professional ethics and professional conduct.

## 10.2 Industry supervisors

Industry supervisors shall undertake the teaching of student skills and participate in the construction of vocational college logistics specialties and course construction. They shall also participate in the construction of master workshop for "double-qualified" teachers, school-based research, industrial and academic cooperation research, etc. It is advisable that qualifications and capabilities should include but not be limited to:

- college degree or above;
- more than 3 years of working experience in related logistics industries, with at least 1 year of front-line work experience in enterprises;
- corresponding vocational qualification certificate;
- familiarization with the current development of logistics industry in ASEAN countries, and a certain understanding of the national conditions of ASEAN countries;
- good professional ethics and professional conduct.

## 11 Facilities and equipment

### 11.1 Colleges

11.1.1 Colleges shall be equipped in accordance with the "Vocational School Specialized Teaching Standards (Logistics Category)" and the "Construction standard of practical teaching conditions for logistics information technology specialty in higher vocational schools" and the "Construction standard of practical teaching conditions for logistics management specialty in higher vocational schools".

11.1.2 Colleges shall be qualified by the relevant educational authorities.

11.1.3 It is advisable to jointly build a talent training base for ASEAN Logistics Industry Academy, establish a virtual simulation laboratory, and carry out smart logistics full-process teaching and training.

11.1.4 It is appropriate to cooperate with enterprises and industry associations to introduce enterprise authenticity production bases and carry out smart logistics cloud warehouse business.

## 11.2 Enterprises

11.2.1 Enterprises shall build an industry-university-research service platform with technology development, research and innovation functions.

11.2.2 Appropriate facilities and conditions for practical training (practical teaching) shall be provided to meet the requirements of the "Regulations on Student Internships in Vocational Schools".

11.2.3 Safety education and emergency drill facilities such as fire fighting and first aid shall be strengthened, and information technology equipment such as logistics management software and data analysis tools shall be provided.

## 12 Evaluation and improvement

### 12.1 Evaluation

#### 12.1.1 Evaluation methods

The evaluation of vocational schools and enterprises should be combined, and third-party evaluation is desirable.

#### 12.1.2 Implementation of evaluation

12.1.2.1 Colleges shall evaluate the students' performance during their study period, implement continuous tracking evaluation of the students' learning process, and conduct post-graduation follow-up surveys to understand the graduates' career development.

12.1.2.2 Enterprises evaluate the performance of students during job rotation training.

12.1.2.3 The third-party evaluation organization shall be composed of upper-level education authorities, industry associations, etc., and shall have professional personnel familiar with the requirements for talent cultivation in the ASEAN logistics industry college, capable of conducting evaluations of talent cultivation work in ASEAN logistics industry college in a proficient manner.

12.1.2.4 Evaluation shall adhere to the principles of independence, fairness, and scientificity, and should be optimized and improved in conjunction with the implementation outcomes.

### 12.2 Improvement

Colleges shall organize relevant parties to conduct periodic continuous improvement activities such as discussions and evaluations. Improvement measures and solutions shall be proposed and implemented based on the evaluation results, and the talent cultivation plan for the ASEAN logistics industry college shall be continuously improved and perfected.

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