Research on the Training Mode of Compound talents of Logistics Management Specialty Group under the "1+X" Certificate System

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Abstract. Combined with the characteristics of logistics management specialty group in higher vocational education, this paper summarizes the significance of implementing the reform of personnel training under the “1+X” certificate system, briefly analyzes the implementation status, and points out that higher vocational colleges should improve the understanding and orderly promote the “1+X” certificate system in higher vocational education, which should be connected with the national vocational certificate system, deepen the new cooperation of production and learning, and optimize the curriculum on the basis of the modern apprenticeship system pilot System: open all kinds of professional courses and training courses in an all-round way, open training venues and projects, implement menu management, give students more flexible time and independent choice; use information technology to promote the implementation of the 1+X certificate system, etc.

The Significance of Implementation

The Implementation plan of national vocational education reform proposes to launch the pilot work of “1+X” certificate system, which aims to promote employment and entrepreneurship, and changes from training high skilled talents to training compound high skilled talents. The “1+X” certificate system reflects the important characteristics of vocational education as a kind of education, which is the basic task of implementing morality and cultivating people, improving the training system of vocational education, and deepening the important system design of school-enterprise cooperation. Under the “1+X” certificate system, it is significant to carry out the training reform of compound talents in logistics management specialty group in the following three aspects.

Conducive to the Quality Improvement Project of Talent Training

Based on the “1+X” certificate system, the reform practice of talent training of logistics management specialty group will promote the orderly development of quality improvement project. The training of logistics management talents has the characteristics of interdisciplinary, interdisciplinary and comprehensive. Ningbo port and shipping logistics industry has obvious advantages. The Internet industry has developed rapidly, and the solid industry foundation has been consolidated. It urgently needs high-quality logistics management talents in many aspects, including warehousing and distribution management, transportation planning and implementation, procurement and supply, and e-commerce logistics. As a typical type of school students' classified training, the use of mechanism innovation and reform to drive the interaction and cooperation among the majors within the logistics management specialty group will greatly improve the quality of logistics management talents training, extension of logistics management specialty group of students employment channels and entrepreneurial drive, to achieve “1+X” certificate of logistics management professional group of complement, strengthen and develop the professional education.

Conducive to the "Three Education" Reform of Logistics Management Specialty

Promoting the practice of “1+X” certificate system in logistics management professional group is conducive to the reform of "three education" of teachers, teaching materials and teaching methods.
Under the background of the government's "deregulation service," the government introduces a third-party organization and evaluation organization with market-oriented characteristics. Relying on the organization's strong research and cooperation ability of logistics related enterprises, the logistics management specialty group can dynamically adjust and optimize the primary, intermediate and senior professional skill level standards of logistics specialty, and force the talents training program of the logistics management specialty group Reform and adjustment, truly realize the integration of professional training and skills improvement, and drive the construction of a "new" team of school enterprise cooperation, full-time combination, the construction of a "new" teaching material docking with vocational skill level standards, and explore the modular "new" teaching method of team cooperation.

Conducive to the Transformation and Reform of Production Training Base

The transformation and reform of the production education integration production training base. The implementation of the “1+X” certificate system in the logistics management specialty group will greatly improve the requirements of the professional productive practice teaching base, and put forward higher requirements for the practice teaching of the 3-5 professional core courses involved in the “1+X” certificate, which is bound to make the traditional software teaching, simulation teaching, video teaching and other practice teaching bases to project-based, practical, paid, social The integration of production and education into productive transformation makes it an important carrier and channel for talent training and social skills training of logistics management professional group.

The Present Condition

National Level

Logistics management “1+X” certificate system is a major innovation in the design of national vocational education system. It is a system design that integrates vocational skill level certificate and academic certificate, promotes the reform of talent training mode and assessment mode. For the requirements of the new era, deepen the reform of composite technical talent training mode and assessment mode, and improve the quality of talent training. In the implementation of the “1+X” certificate system, higher vocational colleges closely combine the standards of vocational skills and teaching standards, which promotes the organic connection between “1” and “X,” thus enhancing the employment skills, enhancing the adaptability and consistency of talents trained in Vocational Education in enterprises, improving the quality of vocational education, and will pilot and promote them nationwide on a large scale.

School Level

“Classified training, layered teaching and diversified talents” is the overall talent training mode of the school, and compound talents training is an important training type of school students. At present, there is a lack of effective methods and reform ways to cultivate compound talents in the school, and the number of students trained by classification is very small, accounting for a low proportion, and the “one specialty, multiple abilities” compound talents cross professional learning and employment The channel of “1+X” has not been fully formed, the interaction and cooperation between professional groups are lacking, and the top-level system design of interdisciplinary talents training has not been established. It is urgent to promote and enrich the mode and structure of classified training through the systematic “1+X” certificate system of logistics management.

Professional Group Level

According to the professional skill level standard of “1+X” certificate of logistics management in Zhejiang Province, the school plans to take logistics management, customs declaration, international economy and trade as the main object of “1+X” certificate compound training. At the same time, the school's existing professional groups set up the modern enterprise apprenticeship system and the module direction of in-depth cooperation between production and learning in terms of talent training
setting, which has the important foundation and conditions to implement the “1+X” certificate system of logistics management and carry out the training of composite talents of logistics management.

Professional Level

The main professional sources of the school's logistics management personnel training are logistics management, international economy and trade, customs declaration and other majors, involving general high school, vocational high school, five-year consistent system and social expansion of multiple student sources. In the existing talent training programs, the teaching contents of storage and distribution management are involved, and the certificate level involves different levels of professional skills. It is convenient for different majors in the logistics management professional group to select the appropriate skill level according to the actual situation of the major, build the talent training program with the integration of documents and evidence and develop the classification and stratification training mechanism of compound talents.

Under the strategic environment of implementing the vocational education reform implementation plan, the state will increase the promotion from the national, school, professional group and specialty, and improve the support around the integration of documentary evidence, course certificate, quality engineering, production and education, etc. the interaction of professional group and the cultivation of interdisciplinary compound talents will be the characteristics of professional development.

“1+X” Certificate is fully Integrated into the Implementation Plan of Compound Talents Training of Logistics Management Professional Group

Implementation Target

Guided by the national vocational education reform implementation plan (20 vocational education items), based on the logistics management “1+X” certificate system and its intermediate vocational skill standards, the logistics management professional groups such as school logistics management, customs declaration, international economy and trade are selected as the research objects, and the implementation of the logistics management “1+X” certificate system is the main entry point and source power to effectively drive the logistics management The "three education" reform of the relevant teachers, teaching materials and teaching methods of the professional group, the establishment and improvement of the logistics management professional group compound talents training production teaching integration base mechanism, the opening of effective channels for the logistics management compound talents training and employment, the realization of the logistics management professional group compound talents key core ability evaluation and feedback mechanism, and the full play of the logistics management “1+X.” The “X” in the system complements, perfects and expands the function of “1” of professional education, truly realizes the documentary evidence fusion of talent training and the employment transmission mechanism of high quality and wide caliber, initially forms the linkage mechanism between the first and second classroom of logistics management compound talent training, and comprehensively expands the comprehensive competitive power of logistics management professional group compound classified training channel and talent training.

Key Implementation Points

We will promote the reform of “three education” in the course of mass book and certificate integration for logistics management majors. We will strengthen the development of core courses for the training programs of professionals in the professional groups covered by the “1+X” certificate of logistics management, set up the standards for different professional skill levels corresponding to different majors in the group, reasonably optimize the teaching standards for core courses, improve the construction and reform of courses such as procurement management practice, warehousing and distribution management, and transportation practice, and strengthen the training of corresponding
professional and part-time teachers. The development and construction of school enterprise cooperative teaching materials and the reform of practical teaching methods.

Establish the credit exchange system for the course of group book and certificate integration for logistics management majors. In order to stimulate the enthusiasm of the students of logistics management major group to obtain the “1+X” certificate of logistics management, improve the training of logistics management compound and entrepreneurial talents within the professional group, establish an effective credit exchange system from the professional group level, and realize the compound course learning and credit substitution between the students.

We will build a comprehensive talent training base for logistics management majors. According to the “1+X” certificate professional skill level standard of logistics management, improve the operation mechanism of integration of production and education, face the professional group of logistics management, increase the introduction and Incubation Mechanism Construction of school enterprise cooperation project, attract more product library, project library and teacher library resources, and realize the effective cultivation and accurate output of more interdisciplinary compound talents.

**Specific Implementation Contents**

In depth investigation and study of the logistics management “1+X” certificate system and the training mechanism of compound talents. Focusing on the reform of the overall talent training mode of the school's classified training, carrying out theoretical literature research, selecting students to participate in the training of logistics management “1+X” certificate, the training of logistics management compound talents, the construction of the training base for the integration of production and education, carrying out the research work of students, enterprises and brother colleges inside and outside the school, and in-depth analyzing the training mechanism of logistics management compound talents, “1+X” Integration of documentary evidence, course certificate and construction of productive training base.

Establish a working group for training and reform of compound talents of logistics management specialty group. The working group focuses on the top-level design of personnel training, project reform, system and mechanism construction, and solves the problem of documentary integration of “1+X” certificates of logistics management professional group. Combined with the “1+X” certificate professional skill level standard of logistics management, promote the optimization of relevant professional personnel training program, key curriculum development and construction, and build a green channel for the cultivation of composite logistics management personnel.

Carry out the “1+X” course certificate integration construction of logistics professional group. Around the professional skill standard of logistics management “1+X” certificate, adjust and optimize the talent training program of professional group, focusing on the reform of relevant curriculum materials, curriculum team teachers and teaching and training methods. It is planned to select 3-5 courses of certificate integration to carry out key construction, and explore and practice the project-based teaching methods for the construction of new forms of teaching materials for related courses, the cultivation of double teachers and double abilities of course leaders and their teaching teams, and the experimental and practical training of production teaching integration.

Continue to deepen the construction and operation of the integration of production and education of logistics management professional groups. Based on the modern apprenticeship pilot project of the Ministry of education undertaken by the school, we will continue to deepen the cooperation and introduction of logistics management projects, the training of full-time and part-time teachers, project operation management, students’ entry and exit, training and credit replacement, etc., with the characteristics of production, and continue to strengthen the cooperation of production and education integration.

Do a solid job in logistics management “1+X” certificate examination and social training. Focusing on the optimization of professional talent training program of logistics management professional group, we should do a good job in the formulation of courses and training standards for the integration of courses and certificates, the management of students' propaganda and examination and the setting of examination points, integrate the resources of enterprises and secondary vocational colleges to
carry out online shop operation and promote social training and examination, and improve the influence of logistics management compound talent training, production and education integration base.

The reform of “1+X” certificate in logistics management and the cultivation of compound talents in logistics management are studied and summarized. Practice the training mode and path experience of compound talents in logistics management, write related teaching and research papers, apply for teaching achievement award at university level and above, and conduct publicity and promotion.

Released by the China federation of logistics and purchasing logistics management professional skill level standard authentication is post competency standards, and the use of information technology as a teaching method, through the association of logistics industry, logistics companies and university teachers' teaching and provide a platform for the exchange, to complete the apprenticeship training in enterprises and institutions and the China federation of logistics and purchasing docking, from corresponding content in al evaluate students training quality level certificate, at the same time it with the national vocational education credits bank account of individual learning system connection, record credits, and to provide public online query and other social services. Provide continuous service for the lifelong learning and career development of the apprentice by combining the growth path of the apprentice.

Countermeasures and Suggestions for the Integration of “1+X” Certificate into Talent Training

Further Combing the Logistics Management Professional Group “1+X” Certificate Integration Problem

Around the overall deployment and top-level design of the regional industrial group and school professional group, combined with the vocational skill level standard of logistics management “1+X” certificate to promote the optimization of relevant professional talent training program, the development and construction of key courses and other work content, build the first classroom channel for the cultivation of composite logistics management talents.

Innovation Drives the Construction of Practical Training Base for the Integration of Industry and Education with School Enterprise Cooperation

To solve the system and mechanism problem of logistics management professional group industry education integration school enterprise cooperation training base operation. Centering on the professional skill level standard of logistics management and the school enterprise cooperation project of integration of production and education, integrating the enterprise's teachers, projects and product resource base, forming a corporate operation project with multiple forms of school enterprise cooperation and teacher-student cooperation, actively carrying out the formation of a truly meaningful combination of work and learning, and building a second classroom stage for the cultivation of composite logistics management talents.

Organic Fusion “1+X” Certificate System and Modern Apprenticeship System Training

To solve the logistics management professional group compound personnel training of the first and second classroom linkage mechanism. Based on the actual situation of the school, the curriculum certificate of the first class integrates the core courses of the major and the five compound courses of logistics management for other professional colleges. Through the pilot project of modern apprenticeship for logistics management of the ministry of education, the guarantee mechanism of teaching materials, teaching methods and teachers' three education reforms is completed. At the same time, practical training, credit substitution, school-enterprise cooperation and student management of the modern apprenticeship system run normally, providing materials, cases and enterprise resources for the first class achievement accumulation, teacher training, practical teaching methods and school-enterprise joint textbook curriculum development.
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References


