

# Research on the Implementation Path of Specialty Group Construction with Provincial Characteristic Specialty as the Core

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## Abstract

Drawing on the experience of vocational education at home and abroad in specialty construction, after research and practice, the establishment method of specialty group with provincial characteristic specialty as the core, the construction method of curriculum system, the construction method of teaching staff, the construction method of practice and training conditions, and the method of industry university research cooperation are formed. This paper explores the implementation path of specialty group construction with provincial characteristic specialty as the core, and received the actual effect.

## Keywords

Specialty with provincial characteristics, specialty group construction, implementation path.

## 1. Introduction

At present, most of the research on specialty construction in China is based on the actual situation of specialty construction in their respective colleges and universities, the focus is on the professional setting. But specialty construction is not just about specialty setting. In the study of specialty construction, most of them are the research on the separation between specialties, the specialty construction is not based on the specialty group. The contents of specialty construction include curriculum construction, teaching staff, practice training, etc, finally, the content of specialty construction is formulated in the form of professional talent training program. The specialty construction of higher vocational education should keep pace with the current economic development needs. This requires flexibility in specialty setting and adjustment, core technology in curriculum and curriculum system, and high performance of teachers and practical training conditions. Therefore, the research on the specialty construction of the specialty group with the provincial characteristic specialty as the core will make the specialty construction more scientific and reasonable.

## 2. Implementation Path of Specialty Group Construction with Provincial Characteristic Specialty as the Core

### 2.1. Research Significance

The basis of specialty setting is industrial demand. An industrial chain may involve several specialties, meanwhile, a major may also be in multiple different industrial chains at the same time. Therefore, the construction of specialties should not be separated in isolation. Instead, they should be combined organically and built in clusters. In this way, it can better meet the needs of society. The specialty with provincial characteristics shows that the specialty in Colleges and universities has its own characteristics in the province, it has advantages in the province. So if we take the provincial specialty as the core, to serve other specialties in the same

industry chain and establish professional groups, then the provincial specialty can promote the development of the corresponding professional chain of the industrial chain.

The curriculum system of the specialty group, some resources can be shared and some resources can be referred to each other. With provincial specialty as the core, select the specialties that belong to the same major category as the provincial specialty to form a specialty group. So such a professional group has a common basic course, it can share curriculum resources, experimental training resources, etc. Some resources can be used as references, the cost of running a school can be saved to the maximum extent. But also can concentrate the advantageous strength, better development new profession.

The professional teaching staff in the specialty group, some resources can be shared, some resources can be referred to each other. It is able to more scientific and reasonable construction and utilization of teachers. The teaching staff of specialty with provincial characteristics has advantages in the province, the excellent teachers are distributed in the field of professional courses and public courses. Then, vertically, the teaching staff of the specialty group with provincial characteristics as the core will form a team under their guidance. On the horizontal level, the advantage of teaching staff can also be shared between professional groups and professional groups.

The practical training conditions of the major in the specialty group, some resources can be shared, some resources can be referred to each other, it can be more efficient construction and use of practical training conditions. The practice and training resources of provincial characteristic specialty have been built well, which is in the leading position in the province, these resources can be shared by specialty groups with provincial characteristics as the core. Those resources that have to be rebuilt can also be used as a reference, avoiding detours.

Giving full play to the important role of specialty with provincial characteristics, we should make use of the advantages to promote the development of professional groups. It can better reflect the importance of provincial characteristic specialty. The completion of provincial specialty is a great achievement, this achievement is in many aspects, including the above points. It also has a good reputation and influence, these advantages can bring a lot of energy and help to the professional group, and promote the development of professional groups.

## 2.2. Implementation Path

Drawing on the experience of vocational education at home and abroad in specialty construction, there are several ways to establish the specialty group with provincial characteristic specialty as the core. First, the provincial specialty is the core. Selecting the major group that belongs to the same major category as it, the professional group has similar or the same professional basic courses, we can share course resources and training resources. Second, take the provincial specialty as the core. Selecting other specialties corresponding to the posts (groups) it serves to form a group, So that the professional groups and post groups are corresponding, we can share course resources and training resources. Third, take the provincial specialty as the core, selecting other specialties in the industry chain it serves to form a group, so that professional groups and industrial chains are corresponding. It can share course resources and training resources.

The construction of specialty group with provincial characteristic specialty as the core can maximize the role of provincial characteristic specialty in specialty group construction. The specialty with provincial characteristics has already represented the advantageous specialty and industry of the whole province. Its dominant position, advanced resources and strength can be integrated into and lead the development of professional groups. With its influence, it can also bring more attention and resources to the professional group, there are more opportunities for better development.

Taking the provincial characteristic specialty as the core, we should construct the curriculum system of specialty group. Public courses can share resources. Professional basic courses can share resources. With the core courses of provincial specialty as the core, not all of them can be shared, but they can be shared by modules. The part of professional development courses can rely on each other or provide pre and subsequent courses. In this way, the curriculum system of specialty group realizes the maximum resource sharing.

With the provincial characteristic specialty as the core, we will build a professional group of teachers. The teaching staff of public courses can be shared. The teaching staff of specialized courses is set up with the backbone teachers of provincial characteristic specialties as the core, the backbone teachers can lead the healthy development of professional group teachers. Horizontally, professional groups and professional groups can share the teaching staff of public courses, some professional course modules can also share professional teaching staff. Schools can set up an array of teachers, and give full play to advantages.

Taking the provincial characteristic specialty as the core, we should construct the practice and training conditions for the specialty group. The practice and training conditions of provincial characteristic specialty are already leading in the province, the internship and training conditions of public courses can be shared. Professional practice and training resources within the specialty group can share some resources of the same professional courses, some of the same post groups can share resources, and some of the same industrial chain can share resources. The lack of practice and training conditions of professional group can comprehensively consider the construction of new needs of professional group.

The construction of specialty group with provincial characteristic specialty as the core can promote the cooperation of industry, University and research. What an enterprise generally needs is not a single professional, what is needed is talents from a certain post group or an industry chain. Professional groups can more reasonably and scientifically carry out industry university research cooperation with various enterprises, we will deepen the reform of personnel training.

### 3. Conclusion

With provincial characteristic specialties as the core, we will build specialty groups. It can be implemented in the construction period of provincial characteristic specialty. In the process of implementation, it can dynamically adjust the talent training mode and the construction of various resources. It can also be implemented in provincial specialties. With the existing advantages of resources to drive professional mass station. Taking Hubei Vocational College of science and technology as an example, with the provincial characteristic professional industrial robot technology as the core, with mechanical design and manufacturing, mold design and manufacturing, mechanical and electrical integration technology and numerical control technology, intelligent manufacturing professional group is established. It has promoted the sound development of these specialties, and a lot of important teaching results have been achieved. With provincial characteristic professional software technology as the core, with computer application technology, Internet of things application technology, cloud computing technology and application, big data technology and application, artificial intelligence technology and service, the artificial intelligence professional group is established. It has promoted the sound development of these specialties, and a lot of important teaching results have been achieved. In practice, it is not only feasible to build specialty groups with provincial characteristics as the core, and it works.

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