

# Research on The Academic Predicament and Countermeasures of College Students Majoring in Navigation

Panlong Zhang<sup>1, a</sup>, Shankai Xu<sup>1, b</sup> and Tao Zhang<sup>1, c</sup>

<sup>1</sup> Merchant Marine College, Shanghai Maritime University, Shanghai 201306, China

<sup>a</sup> plzhang@shmtu.edu.cn, <sup>b</sup> skxu@shmtu.edu.cn, <sup>c</sup> tzhang@shmtu.edu.cn

## Abstract

Sea transport accounts for more than 90% of the world's trade traffic. High-quality college students majoring in navigation are an important source of talents for shipping units, and improving the comprehensive academic performance of college students majoring in navigation is one of the goals of navigation colleges. Combining the particularity and actual situation of the cultivation of students majoring in navigation, this paper deeply analyzes the difficulties faced by college students majoring in navigation in their studies, and proposes corresponding effective solutions.

## Keywords

Navigation major; Academic predicament; Countermeasures.

## 1. Introduction

Navigation professionals are an important cornerstone for the development of the national shipping industry. It is the responsibility and mission of maritime colleges to improve and cultivate the comprehensive ability of students majoring in navigation. In recent years, students majoring in sailing have been troubled in terms of learning goals, learning attitudes and learning motivations, such as weak academic foundation, lack of learning ambition, lack of learning self-control and unclear learning goals and other unfavorable factors, which usually make students face academic warnings or failures. Difficulties such as being unable to complete their studies normally will not only hinder students' academic development, but also adversely affect shipping[1]. Scholars at home and abroad have made active research on learning goals, learning motivation and improving academic performance based on the academic problems faced by students[2]-[4].

This paper mainly studies the predicament existing in the academic aspects of the students in the maritime colleges and the corresponding solutions.

## 2. Predicaments and Countermeasures

### 2.1. Academic Predicaments

#### 2.1.1. The Student Base Is Relatively Weak

Under the same conditions, compared with other non-navigation majors, the foundation of students majoring in navigation is relatively weak, mainly in the following aspects. Firstly, the entry threshold for students majoring in navigation is low, which is reflected in the admission score and the comprehensive performance requirements of students. Secondly, the students' comprehensive foreign language ability is low, reflected in the unsatisfactory English proficiency and application ability tests, and the pass rate of CET-6 is slightly lower. Thirdly, the learning ability of students with academic difficulties is not strong, and their understanding and application of professional courses are limited.

### **2.1.2. Lack of Motivation to Learn**

After the college entrance examination, students were not able to fully understand the characteristics of the major, future employment direction or development prospects when filling in the college voluntary application. After admission, students lack professional cognition, which leads to lack of interest in learning and lack of subjective initiative in learning. Current students obtain insufficient information about marine majors through channels such as seniors, marine alumni, online forums, etc., which makes students study in professional courses. It will have a negative impact on aspects, and then there will be bad phenomena such as misunderstandings in thinking, lack of self-confidence or dislike of learning.

### **2.1.3. Lack of Self-control in Learning**

After entering the university, facing the temptation of the developed Internet, college students majoring in navigation usually tend to ignore the importance of the basic courses of university majors, showing that they are addicted to playing games, reading novels and falling in love for a long time. Lack of systematic planning for learning objectives and curriculum learning, lack of action, execution and initiative are all factors that affect students' self-control in learning. Navigation majors receive paramilitary management education. Students have different personalities. The society and surrounding campus environment can easily affect students' learning status. Some students may reject learning and lack interest and self-control.

### **2.1.4. Academic Goals Are Unclear**

Navigation majors have doubts about their professional cognition and future employment direction after enrollment, and cannot plan their own career goals and academic directions well. They usually follow the trend of learning, poor learning results, and vague academic goals. If you do not make adequate career planning and establish clear academic goals, it is very likely that what you have learned will not be used.

## **2.2. Countermeasures**

### **2.2.1. Strengthen Enrollment Promotion**

Combined with the big data of annual enrollment and admission, analyze the comprehensive academic performance of the students who have been admitted to the national key demonstration high schools, adopt the principle of "selecting the best among the best", strengthen the close relationship with high-quality student-source high schools, and establish an excellent student-source base as much as possible. Purposeful recruit students from provincial and municipal key demonstration high schools during winter and summer vacations to serve as admissions preachers, comprehensively train volunteers, encourage returning hometowns to publicize and implement admissions policies, expand the impact of admissions, complement the strength of the admissions team, strengthen admissions publicity, and gradually improve the quality of admissions students.

### **2.2.2. Optimize Study Style Incentives**

The construction of study style is a process of participation of all staff, giving full play to the advantages and pivotal role of student cadres in the support process, and deploying appropriate study style incentives, such as the establishment of special scholarships for academic assistance, and special honor selection activities for academic assistance[5]. Let the students who really participate in the construction of the study style gain a corresponding sense of pride and honor, publicize and commend students who have participated in the pairing assistance activities and have reached a certain period of time, expand their influence, transmit positive energy, and encourage the majority of outstanding students to actively participate in their studies. In pairing assistance, the study atmosphere is continuously improved.

### 2.2.3. Organizing the "Two Rules" Event

"Two Rules" refers to a specified time and a specified place. Combined with the relevant work plans for the school's study style construction month, set up a study style construction team based on grades, and organize activities including but not limited to "Two Rules" sprint month activities for students before the exam. Mechanism, adopting the method of answering questions at regular and fixed points, helps students to complete their self-study and review before examinations, guide students to clarify learning goals, and improve learning effectiveness.

### 2.2.4. Multi-measures to Promote Study Style

Promoting the development of students' study style requires the coordination and joint efforts of all parties[6]. Strengthen the connection between home and school, do a good job in psychological counseling of students, and improve their interest in learning. Relying on resource platforms such as full-time teachers, full-time and part-time counselors, class committees, and outstanding student teams, optimize the tracking records of students for academic early warning, so as to implement precise policies and be practical and meticulous under "One student, one strategy" management system. In the process of academic assistance, supervision should be in place to ensure that there are methods for academic problems, students' needs can be solved, and strategies for sprinting before the final exam.

## 3. Conclusion

The academic problems of students majoring in navigation not only affect the employment of students, but also play a key role in cultivating students' professional interests. This paper analyzes the current difficulties encountered by students in their studies, and proposes rational solutions based on the characteristics of the training of students majoring in navigation. In the future work of students, we must proceed from the big ideological and political system, adhere to the students as the main body, focus on ideological and political education and academic ability improvement, integrate ideological and political education into the whole process of students' growth and talent, and gradually build and improve academic early warning Management mechanism, improve the comprehensive academic ability of students majoring in navigation, and contribute to the cultivation of high-quality marine professionals.

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