

Important Factors of Preparing Students for Professional Activity on the Basis of Integration of Graphic Sciences

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Abstract: The article analyzes the important factors of preparing students for professional activity on the basis of the integration of graphic sciences and the results of research work carried out by several scientists in this field. On the basis of these analyzes, the integration of graphic disciplines was developed and a questionnaire on professional activities was conducted among students, and their results are also covered in the article. The teaching of graphic sciences, which is a key factor in the development of students in the field of graphic design, design and their integration, is based on clear evidence and conclusions and recommendations that in the future these personnel will play a key role in mastering the field and their professional activities.

Keywords: integration of graphic sciences, differentiation, specialist, pedagogical and psychological factors, questionnaire.

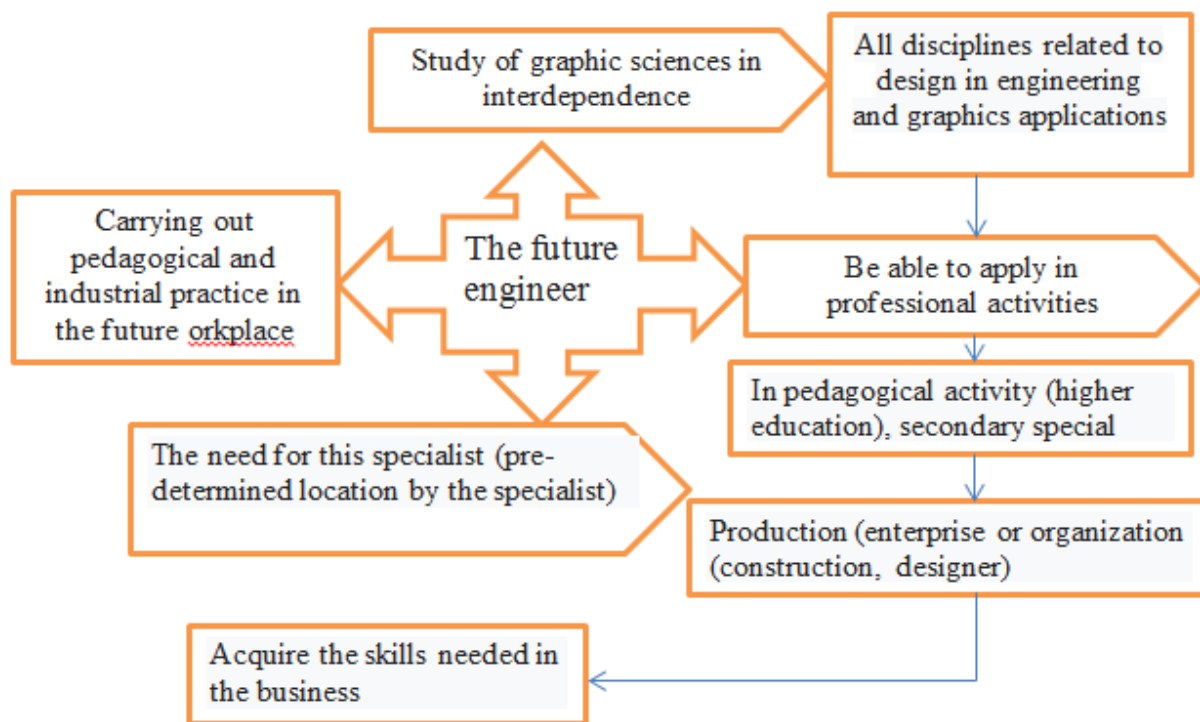
Shaping students' preparation for future careers is continuous and complex. Therefore, in its organization, special attention is paid to the study and consideration of factors influencing this process. A factor (Latin "factor" - to do, produce) means everything that affects this or that process. The influence of N.E.Kasatkina, A.N.Koksheneva considered the factors influencing the development of the student's personality and self-determination of young people.

Hence, R.A. Parfirieva states that it is carried out in the process of development of the student's personality and is influenced by the following factors: macro factors (society and the state); mesofactors (ethno-cultural conditions in which a person lives and develops); micro factors (family, child care and other socialization institutions).

N.E.Kasatkina, TM Churekova distinguish all the factors in the process of self-determination of young people: General (socio-economic living conditions of people, spiritual culture of society, regional (specific features of economic and demographic development of the region, career choice of young people and influencing career choice); Psychological factors are divided into three groups:

- mass media, etc.)
- Factors arising from the age characteristics of young people;
- Factors influencing the formation of value orientations;
- Factors of personal nature (tendencies, abilities, interests, psychophysiological qualities, general level of education).

Teaching graphic sciences in an interrelated way not only increases the effectiveness of the lesson, but also increases the interest of students in science, understanding the purpose and essence of science in a short time, mastering it and creative work in a specific field.



1-picture. The form of the necessary steps in the preparation of the future specialist for professional activity

1-picture above shows the necessary steps in the preparation of a future engineer for professional activity. This will allow students to master engineering in the first place and apply it in the next stage in the specialty. For example, students majoring in "Use of hydraulic structures and pumping stations" in the first and second years study the subjects "Engineering and Computer Graphics", "Computer Graphics". In subsequent years, ie in the third and fourth years, students will be able to apply their knowledge of drawing and engineering in the study of special disciplines, such as "Introduction to the science of hydraulic structures", "Theoretical Mechanics" and other disciplines.

However, there are problems with the training of competitive personnel. If we take the data for the Fergana region, the need for water management specialists is 202 people, for electricians - 148 jobs. that is. workers in these occupations in the labor market are not redundant.

This, we can conclude that there is a need for workers in these occupations. This is confirmed by the survey

- "How do you assess your prospects in the labor market"
- I am optimistic about the future - 34%
- I'm not sure about the next job - 11%
- I'm sure about the next job - 44%- I will continue to study - 15%.
- difficult financial situation - 19%

"Why did you enter the Tashkent Institute of Irrigation and Agricultural Mechanization Engineers?" to the question. The answers were as follows: I want to have a higher education (diploma required) - 10% I like the specialty obtained at this institute - 54%, etc. 36%. According to the results of the survey, it can be concluded that 54% of students were initially

motivated to pursue their chosen profession. To further increase this result, it is necessary to conduct research in this area.

Psychological factors: The idea as a factor determining the psychological readiness of the profession for professional activity begins only after the start of production training, where students learn the basics of the chosen profession. The results of the survey show this. If 28 of the 52 first-year students surveyed had an idea of their chosen profession, 44% of second-year students were confident about their future chosen profession. This means that more research needs to be done to prepare students for professional activities.

Classes for the formation of skills and important professional qualities are conducted using active forms and methods of teaching: games, quizzes, lessons-excursions, lessons-competitions, professional skills competitions, etc. encourage students to be creative.

In order to develop students' social activism, interpersonal social interaction and creative self-awareness, volunteer actions, talent contests, competitions, etc. are held. All this contributes to the social adaptation of the individual in his future professional activity. One of the main factors influencing the formation of students' readiness for future professional activities is the satisfaction from the educational institution and the student-teacher relationship.

We conducted a survey "How satisfied are you with the organization of the educational process?" The results are as follows: Practical lessons - 84%

In general, the quality of training at the institute - 83%

Organization of research work of students in the branch - 81%

Organization and conduct of extracurricular activities - 81%

Use of modern teaching methods in the classroom - 74%

Training material base - 69% The next part of the survey is "How satisfied are you with the relationship at the institute?" was the question. Student group curator -78% Master of Industrial Education Student - 87% Student - Teacher - 80% Student - Student - 80%.

This, according to the results of the study, we received the following conclusions to shape the readiness of students for future careers at the Institute;

- the institute has created favorable conditions for students to study and learn new technologies;
- interaction between students and teachers;
- the period of study is inextricably linked with the future activities of students
- integration of science and industry is established;
- favorable conditions are created for students to engage in research work.
- graphic disciplines are carried out in depth at the institute, and most importantly, on the basis of their mutual integration, the acquisition of the necessary knowledge in the professional activity of the student is established.

In addition, more positive results can be achieved if the results of today's activities at the institute are focused on the further development of research results and their application in practice.

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