

Vocational training - bachelor's degree (undergraduate) in Computer Science and Computer Engineering.

Entering exams (Russian State Exam): computer science, Russian language, mathematics.

The description of professional responsibilities of the bachelor in vocational training

The sphere of professional pedagogical activity of the bachelor includes: preparing students to working at educational institutions for primary vocational, secondary vocational and supplementary vocational education; at the centers for professional training and retraining of specialists; and at the placement services.

The objects of the professional pedagogical activity of the bachelor are the participants and means of realization of the integral educational process at the educational institutions for primary vocational, secondary vocational and supplementary vocational education; at the centers for professional training and retraining of specialists; and at the placement services.

The bachelor in vocational training is trained for the following kinds of professional activity:

- educational
- scientific and research
- projecting
- organizational and technological
- training for the working job

The bachelor in vocational training should be ready to solve the following professional tasks according to the types of professional activity:

educational:

defining the approaches to the process of training specialists for different economy sectors;

development of professionally important personal characteristics of a modern specialist

planning social prevention activities at the educational institutions for primary vocational, secondary vocational and supplementary vocational education;

organizing and providing educational activity according to the requirements of professional and federal state educational standards at the educational institutions for primary vocational, secondary vocational and supplementary vocational education;

diagnosis and prediction of personal development of future specialists;

organizing professional educational activity based on laws and standards;

analyzing professional pedagogical situations;

educating future specialists based on the individual approach, forming their moral and ethic values and patriotic beliefs;

scientific and research:

taking part in the research on the issues of future specialists training;

organizing research work of students;

creating, distribution, implementation of innovations and creativity in the educational process for solving professional pedagogical issues, using techniques of forming creative abilities in training of specialists;

projecting:

projecting the complex of professional targets and goals;

predicting the results of professional pedagogic activity;

designing the content of educational material for general professional and special training of specialists;

projecting and equipping educational environment for theoretical and applied training of specialists;

developing, analyzing and correcting educational documents for training specialists;

projecting, adapting and implementing individualized, activity and personality oriented technologies and methods of professional training of specialists;

projecting, adapting and implementing the complex of didactic devices for training of specialists;

projecting and organizing communication interactions and managing communication;

projecting forms, methods and tools of controlling the results of training of specialists;

organizational and technological:

organizing educational process through the labor activities of students;

analyzing and organizing economic activity in the workshops and enterprises;

organizing educational process using effective technologies of training of specialists;

operating and technical maintenance of educational equipment;

using educational technological environment in the process of practical training of specialists

organizing educational process in the instructional workshops, organizations and enterprises;

training on working profession:

defining the ways of increasing productivity, labor safety, product quality and resources saving;

using modern industrial technologies in the process of working profession training;

forming professional competence of a specialist of a relevant qualifying level;

organizing students' productive labor.