Peculiarities of developing requirements to the results of mastering educational programs in “Instrument-making” field

Maria Y. Marusina

Saint-Petersburg State University of Information Technologies, Mechanics and Optics
49, Kronverksky pr., St.-Petersburg, 197101, Russia
Tel.: + 7 [812] 233-59-52 Fax: +7 [812] 232-23-07 E-mail: marusina_m@mail.ru

Abstract

It is impossible to develop requirements to the results of mastering the basic educational program (BEP) in the specific field and its educational modules without active employers’ participation. It should be stressed, however, that employers’ participation is the most essential in the process of selecting requirements to the results of education.

Federal state educational standards of higher professional education (FSES HPE) of the third generation are aimed at providing the graduates’ employment (need for graduates) [1]. According to FSES HPE of the third generation, educational process designing is based on the competence approach. The competence approach is the approach which emphasizes the result of education, the result being not the total amount of received information but the ability of a person to act in different situations. This approach is often associated with the pragmatic orientation of education.

Orientation to employment in higher education shouldn’t cause the decrease in quality of the basic educational component. The fundamental and professional components of HPE shouldn’t be considered contradicting each other.

The basic educational program should become an instrument to create the balance between the traditional (fundamental) and the competence (fundamental) approach in higher professional education [2].

Russian and international experience shows that the links between education program developers and employers can be established at different levels with the great variety of forms, ways and methods (by arranging conferences and seminars, establishing personal contacts, making mutual agreements, conducting polls and employment monitoring, contacting associations of graduates, etc.). Academic communities, state and public organizations, including teaching and methodical educational unions and unions of employers in corresponding areas of professional activity, should be involved in the process of developing requirements to the results of mastering the BEP.

Keywords: The basic educational program, Federal state educational standard (FSES HPE).

References