Designing the competence model of graduate
in “Instrument-making” field

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Abstract

Competence approach in education is aimed at defining goals, choosing contents, organizing educational process, choosing education technologies and analyzing the results of education by representing the results of education as an actual combination of graduates’ competences and the levels of their formation respectively [1].

The term “competence model of graduate” means complex integrated image of the final result of higher education based on the idea of “competence”.

The competence model of graduate is created as joint social and pedagogical project with the participation of all interested parties: teaching and methodical union, university students and their parents, university graduates, union of regional (local) employers interested in high level skills of graduates, academic community, universities-partners, public and state organizations, controlling centers of higher education and professional education for graduates [2].

While developing the competence-oriented model, the most difficult tasks were:
- to select profiles in “Instrument-making” field of education which correspond the tendencies in the global system of higher education and the dynamics of Instrument-making development (selecting new fast-developing specializations and variable qualification skills, i.e. the types of jobs that the job market will offer in the future);
- to develop exact and structured idea of the differences between the basic educational programs of different levels (bachelor/master/specialist);
- to state spheres of professional activity of the graduates, objects of this activity, its types and tasks (in accordance with the level characteristics of education in engineering) in relation with increasing long-term graduates employment;
- to achieve the balance of fundamental and competence-oriented model of education by means of proper development and both scientific and practical background of basic educational programs structure, the conditions of their realization and the results of mastering them;
- to design educational goals (personality forming and teaching) compatible with higher education mission and taking into account the needs of all interested parties.

Keywords: Competence, competence model of graduate, profiles in “Instrument-making” field

References