Using an ontological model for transfer knowledge between universities(Conference Paper)

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The article deals with construction of the ontological model to provide knowledge transfer between universities. It discusses a need to consider requirements of the professional standard for a specialist and labor market demand in process of educational programs design. Ontological and modular-competence approaches were used to simulate the mapping of competences. An ontological model of the professional competence standard was developed. The information model distributed knowledge database in the university consists of the ontology educational programs, the ontology of professional competencies demanded in the regional labor market and the ontology of scientific knowledge in the university. Classes taxonomy of the developed ontological model of professional competences is presented. The method of analyzing hierarchies was used to assess the conformity of learning outcomes with the functional requirements of labor market. © Springer Nature Switzerland AG 2019.