MODELING KNOWLEDGE WORKERS COMPETENCES

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Abstract
In a knowledge-based economy, economic development does not depend on several economic sectors but on all sectors that must intensively use knowledge in processes of production and rendering of services. The purpose of this work is to analyze the competences of a knowledge worker and to show methods for modeling these competences. Special attention has been given to the competences of an engineer, due to the fact that the development of technology has caused S&E graduates to become, in large measure, knowledge workers. On the basis of literature studies and analysis of the Podlasie Graduate and Human Capital Balance studies conducted in Poland, the author proposes a model of 10 general (universal) competences of S&E graduates indispensable for knowledge workers sought for by modern companies and methods for verification of these competences. Modeling of detailed competences must take place at the company employing the worker. Further education and self-improvement is necessary, and that is why such habits must be developed among young students as well as workers.

Key words
knowledge worker, competences

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