

Professional Commitment as the Foundation for Forming Professional Competence of Specialists for High-Tech Industries

© T. Yu. Dorokhova✉

¹ *Tambov State Technical University, Tambov, Russian Federation*

✉tandor81@mail.ru

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Abstract: The rationale for selecting professional commitment as an invariant characteristic of the quality of target professional training, underlying the formation of professional competence for specialists in high-tech industries during training at a technical university, is proposed. A competency model for specialists in high-tech industries at a technical university has been developed. For the first time, criteria components of professional commitment (motivational-value, emotional-evaluative, informational-communicative, functional-creative) are used to assess the quality of target training for specialists in high-tech industries at a technical university; their indicators have been developed, enabling diagnosis of competence formation levels necessary for effective professional activity in modern high-tech production conditions.