

PHILOSOPHY

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Engineering and technical schools: academicians, uniformity and centralization of management (national models of the development of natural science and related models of engineering education: France, the emergence of structures and methods)

The formation of French models of engineering education, which served as a model for the whole of Europe is analyzed. Experience has shown the unsuitability of traditional university structures for the training of engineering personnel – the bearers of a certain amount of knowledge and skills and the ability to apply them. Since European culture is a university culture, training was to be based on written texts and textbooks that were to be created. It shows a variety of areas of activity requiring specialist training and the difference between the general and the specific in the transferred knowledge and skills. The intensive involvement of scientists of the Academy of Sciences and the tendency towards uniformity and centralization of the schools created is recorded.

Key words: midshipmen school, Royal school of military engineers, polytechnical school, school of bridges and roads.

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