

Sociology of Science and Technology

The objective of the educational component is to study the problems and patterns of structure, functioning and development of science as a social phenomenon, conducting a sociological analysis of the modern "Domain of science". The discipline belongs to the cycle of professional training.

The task of the discipline is the formation of students' ability to conduct research activities, including analysis of problems, setting goals and objectives, choosing the approaches and methods of research, as well as assessing its quality; work with information: find, evaluate and use information from various sources, necessary for solving scientific and professional problems; to use in professional activity basic knowledge in the field of natural and social-behavioral sciences; to formulate goals, to set specific tasks of scientific research in various spheres of sociology with the use of advanced domestic and foreign experience in conducting fundamental and applied scientific research.

After mastering the educational component, students must demonstrate the following learning outcomes:

knowledge of logic and scope of key sociological concepts of science and technology; the institutional context of the creation and history of sociological concepts of science and technology; constructive and grid-actor vision of concepts of science and technology; methods of sociological research of science and technology.

ability to use modern methods of collecting and processing empirical sociological information; analyze social processes, study public opinion, critically evaluate information; analyze, develop and prepare joint group programs of sociological research of science and technology; work in a joint research project with a functional division of roles and responsibilities; analyze, develop and prepare individual group programs of sociological research of science and technology; sociologically explain and predict the vision of trends in science and technology.

In its main conceptual intentions, the course corresponds to the European educational standard ESRC Postgraduate Training Guidelines 2005 (Section F7. 3.1.3.)