Scientific and methodological principles' formation with a view to ensure the economic security of the industry is a complex and systemic issue. It requires consideration and elaboration of the industry economic security fundamental provisions as an integral subject of scientific research, while also inextricably linked with other categories of economic security: the state, enterprises of different levels of economic security.

Economic security of the industry is important as a complex systemic and structural entity, requiring the application and adaptation of a large number of scientific research methods.

The state and level of economic security of the state as a whole, regarding the main components of economic security and each individual enterprise, is influenced by factors both at the enterprise level and at the state level. Enterprises have significant impact on the state and level of economic security of the industry as a set of such enterprises, and the methodology of ensuring economic security is systematically and fully considered and researched by scientists in the direction of ensuring the economic security of enterprises, industrial enterprises, enterprises of mechanical engineering, and agrarian sector. In this area of research, a large number of different models for calculating the level of economic security of enterprises have been developed and proposed.

Adaptation and application of the scientific approaches and methods of theoretical and empirical research of the economic security of the industry as a subject of scientific knowledge enables to form a scientific and methodological basis for ensuring the economic security of the industry as a separate subject of scientific research and scientific category and on the basis of system, process and structural approaches as basic tools for studying the industry's economic security at its conceptual, scientific-methodological and empirical levels.