



**QUALIFYING CHARACTERISTIC
FOR A DOCTORAL PROGRAM - ADMINISTRATIVE SECURITY
PROFESSIONAL DIRECTION: 9.1. NATIONAL SECURITY
SCIENTIFIC FIELD: 9. SECURITY AND DEFENSE**

The doctoral program "Administrative security" at the Department of "Security of information and communication technologies" of the Faculty of Technical Sciences provides the third degree of higher education and increases the educational and research qualifications of the doctoral student. The training lasts up to 3 years in regular and independent form of education, and up to 4 years in part-time form and ends with the defense of a doctoral dissertation. Graduates receive an educational and scientific degree "Doctor of Administrative security".

The qualification characteristics of graduates of the specialty "Administrative security" with an educational and scientific degree "doctor", presents the main goals and objectives of the training, the qualification standard and the opportunities for their professional realization.

The qualification characteristics are based on the principles, requirements and standards of the Resolutions of the Council of Europe on academic education.

OBJECTIVES OF THE DOCTORAL PROGRAM

The strategy of training is the preparation of specialists with educational and scientific degree "doctor" in field 9. "Security and defense", adaptable accordingly changing conditions, with theoretical knowledge, practical smarts and competencies for carrying out independent professional and scientific work.

1. Prepares highly qualified scientific, research and teaching staff personnel with experience in the experimental activity in the field of technical sciences in Nauchna area 9. Security and defense, professional direction 9.1. National security in the scientific specialty Administrative security.

2. Deepens fundamental and professional competence for research, practical and teaching activities in the field of national (Administrative) security in the conditions of intense internal and international exchange.

3. Forms modern scientific-theoretical and practical-applied knowledge, skills and competences for independent research and teaching activities, for teamwork, for applying information technologies in the field of national (Administrative) security.

4. Builds methodological experience in analyzing the results of scientific research and in justifying the recommendations related to reporting the functioning of the system of the scientific specialty and to navigate the activities of the institutions, which are relevant to the development of theory and practice in the field of national (Administrative) security.

5. Improves methods of monitoring, risk analysis, forecasting the development of possible dangers (crises) in administrations and stimulates the development of technologies (procedures) and tools for complex protection.

6. Improves language training in the chosen foreign language in connection with its use in the doctoral student's professional activity.

TRAINING TASKS IN THE DOCTORAL STUDIES IN – Administrative security:

- deepening the knowledge related to modern theoretical and methodological principles of research in the field of technical sciences;

- mastering and using scientific terminology characteristic of the scientific field;

- formation of skills for orientation and analysis of priorities theoretical and practical problems in the field of automated systems for information processing and management;

- acquisition of competencies and skills for determining the path and organization of scientific research and for independent experimental activity in the planning of experiments and data analysis in the field of national security;

- formation of professional skills for independent teaching activity;

- motivation and readiness to participate in national, international and regional events contests and projects;

- building experience in planning and organizing the scientific research and when presenting its results in scientific forums;

- training at a high professional level of personnel with higher education in the educational and scientific degree "doctor" for the needs of the faculty and the university, for the various administrations from the sectors of society and organizations;

- provision of qualified scientific guidance and training of students in the third degree of higher education when conducting research in the field of national (Administrative) security;

- providing conditions for conducting scientific and applied research with goal development of theory and practice in the direction of the national and Administrative security;

- creation of potential for critical analysis and synthesis of new ideas in the sphere of national (Administrative) security. Building opportunities for expansion and modification of existing knowledge in the scientific field, as well as of its interactions with frontier scientific fields;

- inclusion of doctoral students as teachers in the educational process of majors at Shumen University;

- creation of an educational environment, as well as for getting to know the professional realities and challenges in practice, as well as to master methods and self-improvement techniques, ensuring independence of the specialist;

- deepening the training of doctoral students in the field of administrative security, in directions related to the identification of real or potential hazards, making decisions about impacts in terms of uncertainty and technologies for their neutralization in the environment and in administrations.

- Stimulation of scientific and cognitive interests and ambitions of the trainees for development of dissertations, reports and scientific publications in the subject field of professional direction 9.1. "National Security".

STRUCTURE AND ORGANIZATION OF THE LEARNING PROCESS

The doctoral student is trained at the "Security Systems Management" Department of The Faculty of Technical Sciences according to an individual study plan in accordance with the Regulations for the development of the academic staff of SHU and with the standard for teaching doctoral students.

QUALIFICATION STANDARD

1. Field and scope of knowledge

- knowledge related to the methodology of scientific research in the field of management systems in the field of national and administrative security;

- specialized and systematized knowledge to carry out critical analysis and to synthesize new ideas in the field;

- in the process of scientific research, to present knowledge and understanding at the highest level not only in the specific field, but also in related scientific fields;

- knowledge of modern methods, methodologies and technologies and their application in the study of administrations (structure, processes and functions, indicators, regulators and resources); their dynamics and change; the determinants of security them;

- specialized knowledge related to the study of various phenomena (events), processes and actions that adversely affect the work of the administrations. To be able to prepare proposals for prevention, reduction the impact of threats or their neutralization;

- development of plans and programs of the administration related to sustainable functioning and innovative development. To be able to develop short- and long-term forecasts and security concepts;

- know the methods of monitoring, analysis and assessment of risk and forecasting the development of possible crises;

- knowledge related to the intended use of the normative documents regulating the construction and protection of the security of the various administrations.

2. Area and scope of skills

- selects, discovers and studies literary sources related to the research problem; quickly finds, extracts, synthesizes and evaluates the necessary information from various sources;

- collects, analyzes, classifies and systematizes information in a certain consistency and logic;

- reasoned and substantiated with evidence, analyzes and defends those, related to the scientific field of the doctoral program Administrative security;
- seeks innovative solutions by combining different strategies and technologies; improves standard models and approaches;
- analytically and critically evaluates own experimental results, related to establishing certain regularities in the study of systems for information processing and management;
- organizes and plans his own scientific activity (with regard to: time, accuracy of the object of research, clarity of goals and tasks, concreteness of constructed hypotheses, etc.).

3. Field and scope of competences

Personal competences:

- creates and interprets new knowledge, the result of own research or from other scientific activity;
- has the ability to self-assess research achievements work, independence and responsibility;
- when justifying the scientific truth, it is guided by the academic scientific ethics in interpreting both own and researched perspectives;
- uses scientific language and style characterized by scientific accuracy terminology, clarity and logical consistency in statement of facts and the results;
- systematic acquisition and understanding of a significant amount of knowledge from the latest scientific achievements or from the sphere of the national (Administrative) security and professional practice;
- mastery of the different approaches and tools for building culture and social climate contributing to ensuring corporate security;
- possessing a culture of communication in compliance with common human norms values and ethical norms.

3.1. Communicative and social competences

- has an established style of scientific communication (in conversations, during consultations and debates, to defend scientific positions, teamwork, etc.);
- shows capacity for systematic acquisition and understanding of significant volume of knowledge from the latest scientific achievements or from the field of and professional practice;
- fully communicates in Bulgarian and one/some of the most common European languages.

3.2. Professional competences

- identifies resources and opportunities for research and design activity; makes reasoned decisions and adapts the project design to the unforeseen arising circumstances;
- ensures transfer of own results when solving other problems from the given scientific field;
- readiness for independent research, experimental and practical-applied activity. To uncover applied problems in his field, yes identify resources and opportunities, thoroughly understand and apply techniques for research and complex academic studies;

- demonstrates general abilities to conceptualize, design and execute projects to generate new knowledge, apply or understand state-of-the-art achievements, as well as reasoned to make decisions and adapt project design to unforeseen circumstances;
- has the ability to continue research in the relevant scientific field at increasingly complex levels, contributing to the development of new ideas or approaches. To ensure the transfer of own results when solving others problems from the given scientific field;
- to draft a concept and plan the implementation of security in various administrations and to ensure the protection of specialized plans and programs;
- to apply the basic procedures in conflict management in the administration. To work intensively in a changing environment with chaotic dynamics;
- carrying out scientific research work and analyzes of the state and the development of the administration units and to propose solutions to ensure the its security in complex conditions;
- clearly formulates new problems - theoretical and practical.

REQUIREMENTS FOR ACQUISITION OF THE EDUCATIONAL AND SCIENTIFIC DEGREE "DOCTOR"

The educational and scientific degree "Doctor" is acquired after:

- successful completion of all stages of the doctoral student's individual plan;
- successful defense of the dissertation work.

POSSIBILITIES OF REALIZATION

- the doctoral student is prepared for independent research and for innovative scientific and teaching activity in higher schools, research institutions, the private and public sector in the field of corporate security.

THE GRADUATE OF THE DOCTORAL PROGRAM CAN

- to participate in various forms of continuing education (postdoctoral programs to increase professional qualifications and scientific experience specialty and in the professional field);
- to participate in habilitation and advancement procedures.

The qualification characteristic was adopted by the faculty council of the department "Security of information and communication technologies" with protocol No. KD-02-02-14/12.07.2023