

# **KONSTANTIN PRES LAVSKY UNIVERSITY OF SHUMEN**

## **QUALIFICATION DESCRIPTION**

### **DOCTORAL PROGRAMME - ADMINISTRATIVE SECURITY**

#### **PROFESSIONAL FIELD: 9.1. NATIONAL SECURITY**

#### **SCIENTIFIC AREA: 9. SECURITY AND DEFENSE**

The doctoral programme "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 enhances the educational and research qualifications of the doctoral student. The training lasts up to 3 years in full time and independent form of education, and up to 4 years in part-time form and ends with the defence of a doctoral dissertation. Graduates receive an educational and scientific degree "Doctor of Administrative security".

The qualification description of graduates of "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 description is based on the principles, requirements and standards of the Resolutions of the Council of Europe on academic education.

### **OBJECTIVES OF THE DOCTORAL PROGRAMME**

The programme prepares specialists with educational and scientific degree "doctor" in scientific area 9. "Security and defense", adaptable in changing conditions, with theoretical knowledge, practical abilities and competencies for carrying out independent professional and scientific work.

1. To prepare highly qualified scientific, research and teaching staff personnel with experience in experimental activities in the field of technical sciences in scientific area 9. Security and defense, professional direction 9.1. National security specialized in Administrative security.
2. To deepen the 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. To provide 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. To build methodological experience in analyzing research results and in justifying the recommendations related to reporting the functioning of the system of the scientific area 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. To improve the 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. To improve language training in the chosen foreign language in connection with its use in the doctoral student's professional activities.

#### **TRAINING TASKS IN THE DOCTORAL STUDIES IN – Administrative security:**

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

- mastering and using scientific terminology relevant to 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 activities in the planning of experiments and data analysis in the field of national security;

- formation of professional skills for independent teaching activities;

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

- acquiring experience in planning and organizing the scientific research and when presenting its results at 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;

- creating 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 BA programmes 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;

- enhancing the training of doctoral students in the field of administrative security, in directions related to the identification of real or potential hazards, taking 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 writing dissertations, reports and scientific publications in the subject field of professional area 9.1. "National Security".

## **STRUCTURE AND ORGANIZATION OF THE LEARNING PROCESS**

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

### **QUALIFICATION STANDARD**

#### **1. Field and scope of knowledge of the PhD student**

- knowledge related to the methodology of scientific research in the field of management systems 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 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 administration (structure, processes and functions, indicators, regulators and resources); its dynamics and changes;
- specialized knowledge related to the study of various phenomena (events), processes and actions that adversely affect the work of administration. To be able to prepare proposals for prevention, reducing 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;
- knowledge of 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 of the PhD student**

- 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 consistently and logically information related to the scientific field of the doctoral programme 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 activities (with regard to time, object of research, clarity of goals and tasks, concreteness of constructed hypotheses, etc.).

#### **3. Field and scope of competences of the PhD student**

##### **Personal competences:**

- creates and interprets new knowledge and results of one's own research;
- has the ability to self-assess research achievements, independence and responsibility;

- applies 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 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 professional practice;
- fluently communicates in Bulgarian and one/some of the most common European languages.

### **3.2. Professional competences**

- identifies resources and opportunities for research and design activities; takes reasonable decisions and adapts the project design to unforeseen circumstances;
- ensures transfer of own results when solving other problems from the given scientific field;
- is ready for independent research, experimental and practical activities uncovers problems in one's field, identifies resources and opportunities, thoroughly understanding and applying 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;
- has the ability to continue research in the relevant scientific field at increasingly complex levels, contributing to the development of new ideas or approaches: ensures the transfer of one's results when solving others problems from the scientific field;
- drafts the concept and plans the implementation of security in various administrations and ensures the protection of specialized plans and programs;
- applies the basic procedures in conflict management in the administration works intensively in a changing environment with chaotic dynamics;
- carries out scientific research and analyzes the state and the development of the administration units and proposes solutions to ensure the security in complex conditions;
- clearly formulates new problems - theoretical and practical.

## **REQUIREMENTS FOR 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 activities at higher schools, research institutions, the private and public sector in the field of corporate security.

### **THE GRADUATE OF THE DOCTORAL PROGRAMME**

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

The qualification description was endorsed at a session of the Faculty Council of the Department of "Security of information and communication technologies" and was recorded in the minutes No. KD-02-14/12.07.2023.