

Business Continuity and Information Security Maintenance (Master)

Higher Education Institution	National Research Nuclear University MEPhI (Moscow Engineering Physics Institute)
Country	Russian Federation
City	Moscow
Web-site	mephi.ru
Name of the Programme	Business Continuity and Information Security Maintenance (BC&ISM) Training direction: 10.04.01 Information Security
Degree awarded	Master
Qualification Level (first/second cycle)	Second
Programme objectives; Profile	<p>The objectives of the BC&ISM Master's degree program are defined in the field of training and personality development.</p> <p>In the field of training, the goal is to obtain graduates' competencies necessary for the performance of job duties related to the design of a set of tools and activities that ensure the continuity of the business processes of a large enterprise (organization, institution) and its objects (primarily critical objects using automated information processing technologies), analysis and assessment of the level of information security of the assets of the organization and its objects.</p> <p>In the field of personality development, the goal is to develop students' personal qualities, as well as the formation of general cultural (universal, general scientific, social, personal, instrumental, etc.) and professional competencies in accordance with the requirements of the NRNU MEPhI's Educational Standard of Higher Education (HE ES) in the 10.04.01 Information Security training direction.</p>
Programme Duration	2 years
Total number of ECTS Credits awarded	120
Curriculum analysis (% and credits):	
– engineering fundamentals and advanced engineering subjects (including final thesis)	60.8 % (73 ECTS)
– mathematics / natural	20,0 % (24 ECTS)

sciences fundamentals - humanities and socioeconomics studies - other	10,0 % (12 ECTS) 9,2 % (11 ECTS)
Brief description of the programme	<p>As a result of mastering the BC&ISM Master's degree program, the graduate receives a set of system-analytical competencies (a combination of knowledge, skills and abilities), leadership and communication skills necessary to work in a creative team, as well as design skills for business continuity maintenance systems of the organization and its objects in the presence of threats in the information sphere and design skills of the relevant information security maintenance systems of the organization and its objects.</p> <p>The main educational program of the BC&ISM Master's degree program includes:</p> <p>1) The block of natural science disciplines and disciplines of the humanitarian and socio-economic block includes the following disciplines: "Organizations' Economics", "Management Basics", "Banking Basics", "Basics of Information Security of Critical Objects", "Prevention of Confidential Information Leakage".</p> <p>2) The professional unit is represented by the following disciplines: "Modern Information Technologies in Financial Organizations", "Computer Networks Security", "Secured Information Systems", "Objects' Information Security Maintenance Technologies", "Information Security Management", "Targeted Attacks on Computer Systems", "Basics of Risks Management", "Basics of Incidents Management", "Information Systems Disaster Recovery", "Business Continuity Maintenance Management", "Information Technologies Security Assessment", "Information Security of Organizations of Credit and Financial Sphere".</p>