

The entrance exam for the **BA in Computer Science** includes:

operations on real numbers, absolute value, short multiplication formulas, actions on algebraic expressions, solving equations and inequalities, solving systems of equations, applications of systems of equations to solve text tasks, properties of functions, properties of elementary functions, graph and transformations of the graph of functions, arithmetic and geometric sequences - formulas for the general term and sums of n initial terms, recursive sequences, trigonometry: definitions of trigonometric functions of angles in right triangles, simple trigonometric identities and their applications in geometry, planimetry: properties of triangles, quadrangles, polygons, theorems: Pythagoras, Thales, cosines, perimeters and areas of plane figures, circle and disc, tangents and secants, analytic geometry on the Cartesian plane: distance of points, parallel lines, perpendicular lines, equation of a circle, stereometry: prisms, pyramids, cylinders, cones, spheres, areas and volumes, angles between lines and planes, combinatorics: counting objects in simple problems, classical probability, random events, distribution of numbers, mean, median, dominant, text tasks requiring maximization or minimization of the value of an expression (e.g. area, volume, cost).

The entrance exam for the **BA in Economics** includes 3 modules - geography, history and mathematics.

Scope of topics in geography:

- The economy and its spatial differentiation: factors of location of economic activity and their evolution, basic indicators of economic development and their spatial distribution, globalisation and its effects.
- Population: global population distribution, Demographic Transition Theory, factors of urban and regional development, their categories and evolution, the HDI index, its construction and spatial distribution.

Scope of topics in history:

- The world of the ancient East, Greece, and Rome;
- The economic and social realities of medieval Europe;
- Geographical discoveries and European colonialism in the modern era;
- Europe in the 16th and 17th centuries;
- Europe in the Age of Enlightenment;
- Europe and the world in the 19th and early 20th centuries;
- Europe and the world during World War I and the interwar period;
- World War II and its political, social, and economic consequences;
- The world during the Cold War;
- The world at the turn of the millennium.

Scope of topics in mathematics:

- Operations on real numbers (including logarithmization), percentages;
- Solving equations and inequalities;
- Linear, quadratic, exponential and logarithmic functions and their properties;



- Numerical sequences;
- Trigonometric functions;
- Classical probability,
- Elements of statistics.

The entrance examination for the **BA in Global Law and Governance** program assesses candidates' general understanding of the modern world, society, and key historical developments. The test focuses on essential concepts rather than detailed facts. Applicants should be familiar with basic ideas such as the state, law, civil rights, democracy, and authoritarianism. They are also expected to have a broad understanding of major historical events, especially those related to ancient civilizations (like Greece and Rome), development of Europe and the two World Wars. In addition, candidates should be aware of global challenges and trends, including migration, urbanization, rural development, globalization and environmental issues.

The entrance exam for the **BA in International and Political Studies** will cover topics taught as part of broadly understood *civic education*: knowledge of contemporary international relations and current political events, as well as broadly understood issues related to the role of politics in the modern World. Knowledge of contemporary World history [after 1945] and understanding of English will also be tested.

The subject of the entrance exam for **BA in International Marketing** program candidates will be basic issues concerning: economics, marketing and the determinants of consumer behavior in domestic and international markets, in particular the relationship of supply and demand, the role of price, consumer trends as well as the determinants of consumer choices or brand perceptions.

The entrance exam for the **BA in Business Management, BA in Digital Communication and Social Media In Management, BA in Management and Finance** assesses knowledge in Geography (environmental phenomena, population, global economy, spatial data), Mathematics (ranging from numbers and algebra, through functions and geometry, to probability and differential calculus), and Computer Science (algorithmic problem-solving, programming, IT operations, cybersecurity). Candidates are expected to demonstrate interdisciplinary competence and analytical thinking.