

## STUDY FIELDS, SPECIALTIES AND THE LIST OF SUBJECTS,

in which the Admissions Department of the NUS accepts the certificates of the Ukrainian Centre of Education Quality Assessment (preliminary examinations)

No	Code of the study field	Study field	Specialty	Subject name	
				Core subject	subjects
1	6.051201	Shipbuilding and Ocean Technologies	Ships and Ocean Technologies	Mathematics	Ukrainian Language and Literature, Mathematics, Physics or History of Ukraine or Foreign Language or Biology or Chemistry or Geography (at an entrant's option)
			Ship Power Plants and Equipment		
2	6.050504	Welding	Technology and Equipment of Welding		
3	6.050403	Engineering Material Science	Composite Powder Materials and Coatings		
4	6.051101	Aviation and Cosmonautics	Design and Production of Composite Materials		
5	6.050701	Electrical Engineering and Electrical Technologies	High-Voltage Technology and Electrophysics		
6	6.051003	Devices	Precise Mechanical Devices		
7	6.050702	Electromechanics	Electrical Transport Systems and Complexes	Mathematics	Ukrainian Language and Literature, Mathematics, Physics or History of Ukraine or Foreign Language (at an entrant's option)
			Electro-Mechanical Systems of Automation and Electric Drive		
8	6.050802	Electronic Devices and Systems	Electronic Systems		
9	6.050201	System Engineering	Systems of Management and Automation		
10	6.050102	Computer Engineering	Specialized Computer Systems		
11	6.170102	Technical Information Security Systems	Information Security with Restricted Access and Automation of Information		
12	6.050103	Software Engineering	Software for Automation Systems		
13	6.050101	Computer Science	Information Management Systems and Technologies		
14	6.050601	Heat Power Engineering	Heat Power Engineering		
15	6.050604	Power Mechanical Engineering	Turbines		
			Refrigerating Machinery and Sets		
16	6.050502	Engineering Mechanics	Engineering Technology		
17	6.050503	Mechanical Engineering	Internal Combustion Engines		
18	6.040106	Ecology,	Ecology and	Mathematics	Ukrainian Language and

		Environmental Protection and Sustainable Nature Management.	Environmental Protection		Literature, Mathematics, Physics or History of Ukraine or Foreign Language or Biology or Chemistry (at the entrant's option)
19	6.030504	Enterprise Economics	Enterprise Economics	Mathematics	Ukrainian Language and Literature, Mathematics, Physics or History of Ukraine or Foreign Language or Geography (at an entrant's option)
20	6.030509	Audit and Accounting	Audit and Accounting		
21	6.030508	Finance and Credits	Finance		
22	6.030601	Management	Management of Enterprises		
23	6.030402	Law	Law	History of Ukraine	Ukrainian Language and Literature, Mathematics or Foreign Language (at an entrant's option)
24	6.020207	Design	Design	Creative Contest (Drawing)	Ukrainian Language and Literature, History of Ukraine, Creative Contest (Drawing), Creative Contest (Painting), Creative Contest (Composition), Creative Contest (Interior Design Basics)
25	6.020303	Philology	Applied Linguistics	The English Language	Ukrainian Language and Literature English Language Mathematics
26	6.010202	Physical Training and Sport	Olympic and Professional Sport	Creative Contest (sports specialization)	Ukrainian Language and Literature History of Ukraine Creative Contest (Sports Specialization) Creative Contest

## Short Guide of an entrant of the NUS

**Ships and Ocean Technologies.** The specialty is connected with shipbuilding, ships, ocean technologies. Computer engineering, state-of-the-art technologies, powerful ship training make competitive professionals for the world labour-market.

**Technology and Equipment of Welding.** The level of training in the process of welding, the technology and equipment at the NUS found acknowledgement almost in all the fields of production. Moreover, all the interested persons can obtain a certificate of the official international format.

**Composite Powder Materials and Coatings** are considered to be modern questions of material science, production of compound materials, metal science and coating. Only professional knowledge of materials and technologies open new opportunities for production.

**Design and Production of Composite Materials** give an opportunity for development, computer design, introduction of breakthrough production technologies of the objects out of the polymeric composite materials: medical, sports, military equipment, etc.

**High-Voltage Technology and Electrophysics** is one of the advanced technology specialties of the University. Pulsed processes, electronic and laser equipment, scientific technologies are the indicators of the developed state's level.

**Precise Mechanical Devices.** Training in usage and development of existing and new devices of control and diagnostics of technology processes and operating parameters in different fields of economy is performed at this specialty.

**Electrical Transport Systems and Complexes.** The specialty trains professional electricians for design, research and operation of modern computer-based systems, distribution and usage of electric power in sea, motor and railway transport.

**Electro-Mechanical Systems of Automation and Electric Drive.** The students obtain knowledge of the theory of automatic control, robotics, computerized automation systems and the systems of machine programming control.

**Electronic Systems.** The specialty trains professional electricians for different fields of industry. An engineer obtains the knowledge of development, production and repair of electronic devices and has many opportunities to work in different fields.

**Systems of Management and Automation.** The graduates of the specialty are systems engineers, specialists in design, development and debugging of computerized systems of technology processes control and microprocessor devices.

**Specialized Computer Systems.** The specialty offers knowledge of design, production, repair, operation of microprocessor hardware and software complexes of special purpose for medical, production, communication and television fields.

**Information Security with Restricted Access and Automation of Information.** The students are trained for development and operation of the means of complex information security. The information is of scientific, technical, industrial, financial and economic kind.

**Software for Automation Systems.** The complex training of the developers of modern program complexes for computation, control and management in all the fields of national economy is performed.

**Information Management Systems and Technologies.** The specialty trains experienced system engineers for the departments of information technologies of the enterprises, state authorities, banks, computer systems service.

**Ecology and Environmental Protection.** The specialty provides training of the professionals in environmental safety, nature management, environmental condition. They are considered to be very perspective for work at the enterprises, design organizations and ecology departments of the state authorities.

**Heat Power Engineering.** The specialty gives knowledge of development and operation of power system and equipment for the enterprises of municipal and national subordination, energy generating and energy distributive stations.

**Turbines.** The specialty offers the knowledge of design, production, operation of turbo motors and units for their usage in shipbuilding, gas-turbine stations of gas-main pipelines, energy generating stations.

**Refrigerating Machinery and Sets.** The professionals are trained for design, production, research activity in the field of development and operation of air conditioning systems, refrigerating and compressor machines and installations.

**Engineering Technology.** Qualified specialists who know modern production equipment and technologies for engineering, shipbuilding, ship-repairing enterprises, service stations for cars and electro transport are trained.

**Internal Combustion Engines.** Training of engineers in design, operation, repair and service of internal combustion engines is performed. The prevalence of internal combustion engines of different purposes gives the perspectives for the future job placement.

**Ship Power Plants and Equipment.** The specialist is trained for design, mounting of effective ship installations and their qualitative failure-proof operation. An additional specialization gives an opportunity to work at a ship after graduating from the University.

**Enterprise Economics.** The professionals in stock and goods markets, economic activity of an enterprise, financial activity and effective investment are trained. The graduates can work at the enterprises of different patterns of ownership.

**Audit and Accounting.** The qualification “accountant” is given with the knowledge of organization and holding of financial, administrative and tax accounting at the enterprises of all the patterns of ownership and kinds of activity.

**Finance.** A graduate of the specialty is a financier, a financial manager, a chief financial officer in the field of economics and finance, He/she can organize financial activity at an enterprise, estimate the financial condition and work out the plan of its development at the professional level.

**Management of Enterprises.** The professionals in administrative activity, tactics and strategy of marketing, planning of industrial and economic activity of an enterprise, the strategy of development of technique and technology are trained.

**Law.** The specialty trains a professional in economical and juridical activity, the transport law. The high level of legal education creates wide opportunities for juridical activity.

**Design.** Powerful design and artistic training, skills in computer design provide qualitative study of a specialist in surroundings, interior and transport design.

**Applied Linguistics.** A specialist obtains advanced training in two foreign languages and additionally in Latin, knowledge of the applied linguistics, the theory and practice of translation.

**Olympic and Professional Sport.** Training of a professional for organization, holding of qualitative training activity, providing of high level of achievements at all the levels of sports training is held at the specialization.