

Speciality code and name	<i>122 Computer Sciences</i>
Specialization	<i>Computer Technologies</i>
Qualification level	First (bachelor)
Professional competencies and skills	<p>Bachelor of Computer Science is able to create mathematical and intellectual and information systems software, as well as administrate databases and systems, carry out all the processes of software creation for the customer (design software applications, provide their testing, installation, support and maintenance).</p> <p>Employment Opportunities:</p> <p>The Bachelor of Computer Science could work as: the developer of intellectual and information systems, WEB developer, WEB designer, IT project manager, system architect, system administrator, database developer and administrator, computer network administrator, programmer (database), applied and system programmer, computer systems analyst, software testing engineer, IT engineer for information security.</p>
Mode of studies	Full-time (admission requirements)
Duration of studies	3 years and 10 months
Educational background requirements	General Certificate of Senior Secondary Education, Subject Standardized Test Certificates from the Ukrainian Center for Educational Quality Assessment in contest subjects are required according to the Admission Regulations of the National University of "Ostroh Academy".
Scope and structure of the degree program	<p>240 credits, including:</p> <p>compulsory subjects: 173 credits;</p> <ul style="list-style-type: none"> - cycle of general training – 26 credits; - cycle of professional training – 129 credits; - cycle of practical training – 18 credits; <p>selective subjects: 67 credits;</p> <ul style="list-style-type: none"> - cycle of general training – 19 credits; - cycle of professional training – 48 credits
List and content of compulsory academic disciplines:	
<p>cycle of general training: English language, History of Ukraine, Philosophy, Ukrainian language (on a professional basis), National Security of Ukraine,</p>	

Foundations of Pedagogy and Psychology, History of Ukrainian Culture and Ostroh Academy;

cycle of professional training: Business English, Web Services Creation with WCF, Mathematical Analysis, Discrete Mathematics, Physics, Linear Algebra and Analytical Geometry, Web Server-side, Fundamentals of Programming, C # Programming, Database and Knowledge Organization, Computer Graphics Fundamentals, Mathematical Methods of Optimization and Research of Operations, Web-Side of the Client, Computer Networks, Software Testing, Intelligent Information Systems, Algorithms and Data Structures, Information Security Technologies in Computer Systems, Operats Computer Systems and Computer Architecture, Designing Of Information Systems, Collective Project Management Technologies, Information Management Technologies, Project Management in it Business, Programming of Mobile Devices, Object-Oriented Programming, Game Development, Course Paper.

List and content of selective academic disciplines:

cycle of general training: Management of IT projects, Management, History of Musical and Fine Arts, Basics of Business Etiquette; Technologies of complemented reality;

cycle of professional training: Design Paternity, Numerical Methods, Probability Theory, Probabilistic Processes and Mathematical Statistics, Programming and Scientific Computing in Python, Software Creation Technologies, Website Development by ASP.net, Fundamentals of Business, Digital Marketing, Fundamentals of Cloud Technologies, Intelligent Analysis Data, Methods and Artificial Intelligence Systems, Modern Script Frameworks, Algorithms for Working with Large Data Sets.

Educational practice, Industrial practice.

Qualifying Complex Exam