

## Bachelor's English-Language Program Computer Science and Artificial Intelligence

### Project

**Program Specifics:** The program aims to prepare competitive specialists with contemporary knowledge in computer science and artificial intelligence for the employment and education markets. Graduates will possess skills in analyzing complex algorithms, selecting appropriate programming languages for problem-solving, performing computations using various numerical methods, participating in the development of new products in artificial intelligence, transforming technological ideas into commercial products based on knowledge of entrepreneurship and innovation management, communicating with stakeholders, conducting and developing their activities while adhering to ethical principles, and maintaining growth-oriented operations. Program graduates will understand, for example, key aspects of computer science and the purpose and role of artificial intelligence, fundamental issues, methods, approaches, and theories regarding algorithms, applied programs, intelligent systems, computer programming, computer hardware and devices, human-computer interfaces, networks and communications, information management, information technology resource planning, and information systems. Graduates will be able to, for example, make justified decisions according to assigned tasks while considering ethical principles, analyze client requirements and assigned tasks and develop solution pathways, participate in solving, implementing, and evaluating various tasks in the field of artificial intelligence, and more.

**Program Key Characteristics:** Higher education level: I (Bachelor's); Qualification to be conferred: Bachelor of Computer Science (qualification code: 0613 (0613.1.2)). Language of instruction: English; Program volume: 240 credits (1 credit = 25 hours); Program structure: Free component (including compulsory and elective parts) and core study field component (including compulsory and elective parts). Program duration: 4 academic years (8 semesters).

**Graduate Employment Opportunities:** Graduates may be employed in both public and private structures that utilize information and communication technologies. Specifically, in fields such as healthcare, economics, finance, banking, legal, educational, arts, defense/security, scientific research, industry, and/or others. Graduates may be employed wherever machine learning, data science, robotics, and artificial intelligence methods are required, along with the development of corresponding software.

**Graduate Study Continuation Opportunities:** Program graduates may continue their studies at the next level of higher education (master's programs) at higher education institutions in Georgia and abroad, on educational programs that do not require, as a prerequisite, a qualification different from the one held by program graduates.

**Program Admission Prerequisites:** The program admits individuals with complete general education or its equivalent, in accordance with current Georgian legislation. Enrollment is based on Unified National Examination results (ranking document) (with the requirement of passing English as a mandatory subject), except for cases determined by Georgian law on higher education (enrollment without Unified National Examinations occurs in cases defined by legislation according to established procedures) - in both mentioned cases, the essential requirement for studying in the program is English language proficiency at a minimum B1 level. Continuing studies in the program through mobility is possible for students of BTU and other HEI's educational programs at the same level of higher education (an additional requirement is English language proficiency at a minimum B1 level); compatibility of learning outcomes already achieved by students with this program will be determined in accordance with current Georgian legislation and BTU regulations related to recognition of education (credits). The full version of the program will be published on BTU's website - prospective students may contact the program head, clarify information about the program and its components, and receive consultation about program specifics and learning characteristics.

**Expected Program Implementation Date:** 2026 -2027 academic year.