



The University Of Georgia

Program name:	Computer Science (Eng)
Study Level:	Graduate
Program leader:	Sulkhan Sulkhanishvili Nikoloz Katsitadze
Study language:	English
Qualification:	Master of Computer Science
Program capacity:	120
Program permission:	Admission to the second cycle of academic higher education (Master's programs) is carried out cumulatively based on the following: • Based on the Unified Master's Examinations or in accordance with the Order of the Minister of Education and Science of Georgia No. 224/N (December 29, 2011); • Confirmation of English language proficiency at the B2 level (confirmed through one of the following international certificates: TOEFL iBT – minimum score 80; IELTS – minimum score 6.5; PTE General – minimum level B2; FCE – minimum level B; CPE – passing is sufficient; CAE – passing is sufficient. Applicants without an international certificate may take the university's internal English language test at the B2 level, where a minimum score of 70% is considered sufficient); • Successful completion of an oral examination in the specialty; • Completion of administrative registration and issuance of a presidential decree by the university.
Program goals:	The aim of the programme is to develop a high level of theoretical and practical competencies in the field of computer science, encompassing data science, algorithmic analysis, software systems architecture, and cybersecurity. The programme is based on the integration of research and innovative practice and aims to enhance graduates' professional and academic readiness to independently solve complex problems, while also contributing to the strengthening of Georgia's digital economy, technological development, and societal progress.
Methods for Attaining Learning Outcomes:	• Demonstration method; • Breaking news; • Practical work; • Presentations; • Teamwork; • Literature Review; • The method of working on the book; • Problem-solving oriented exercises Finding relevant materials in electronic format or library;
Learning outcomes:	Outcomes • Analyzes core theoretical principles of computer science. • Evaluates complex computing problems and designs appropriate algorithmic or system-based solutions. • Synthesizes and presents a technological project. • Assesses legal and ethical considerations in professional computing decisions. • Integrates and applies contemporary technologies in professional contexts
Date of approval:	02-15-2025
Approval protocol number:	13PDC6063-01
Date of program update:	
Update protocol number:	
Program details:	
Teaching Process Characteristics:	The program consists of 120 ECTS credits: 96 ECTS in core courses, 24 ECTS in elective courses; within the core part of the program, the student is required to complete a master's thesis (30 ECTS). The total amount of elective courses is 162 ECTS, from which the student selects 24 ECTS.

Program Core

Code	Subject	ECTS	Semester
INFO3369E	React Native: Cross-Platform Mobile Development	6	1
INFO5111E	Planning network switches	6	1

INFO5112E	Programming instrument for databases	6	1
INFO6250E	Industrial Platform-Based Development	6	1
INFO6340E	Structural analysis of systems	6	1
CYBR5016E	Cybersecurity in Computing	6	2
INFO5250E	Mathematics for Computer Graphics	6	2
INFO6263E	Big Data Systems	6	2
INFO1131E	Data Science: Machine Learning and Deep Learning	6	3
INFO1134E	Theory of Computation, Numerical Analysis and Algorithms	6	3
INFO6260E	IT Project Management	6	3
INFO6240E	MA Thesis in Informatics	30	4

Total ECTS to be taken: 96

Program Elective

Code	Subject	ECTS	
BLCH5111E	Architecture and Infrastructure of Distributed Ledger Systems	6	
BLCH5117E	Legal regulations for crypto assets	6	
BLCH5141E	Blockchain-Based Business Models and Real-World Asset Tokenization	6	
BLCH5231E	Business-Processes	6	
BLCH5321E	Smart Contract Technologies	6	
INFO5211E	Providing Routing in Networks	6	
INFO5226E	Flask	6	
INFO5229E	Digital Transformation in Organizations	6	
INFO5246E	ITIL4 Create, Deliver and Support	6	
INFO5249E	Agile-Software Development Project Management	6	
INFO5254E	IT Service Strategy and Design	6	
INFO5256E	Transition of IT Services	6	
INFO5600E	Law of Virtual Assets	6	
INFO6130E	Android Development	6	
INFO6135E	Web Platform-Based Development	6	
INFO6140E	ERP systems structure and Functionality	6	
INFO6160E	Operations Research in Computer Science	6	
INFO6170E	Modeling of buildings	6	
INFO6222E	Wireless Networks and Fundamentals of Automation	6	
INFO6262E	Spring Framework	6	
INFO6271E	Database System	6	
INFO6280E	Microsoft Asp.Net Core MVC Platform Based multi layer Web Application Tools I	6	
INFO6290E	Microsoft Asp.Net Core MVC Multi-Layer Web Development Tools II	6	
INFO6330E	IT Management	6	
INFO6363E	Mobile Application Development on the iOS Platform	6	
INFO6899E	Mathematical Methods of Machine Learning	6	
MATH4119E	Cryptology	6	
Total ECTS to be taken:		24	

[Matrix Of Privequisites](#)

Point	GPA	The university assessment	The general assessment in Georgia	
97-100	4,00	A+	A	Excellent
94-96	3,75	A		
91-93	3,50	A-		
87-90	3,25	B+	B	Very good
84-86	3,00	B		
81-83	2,75	B-		
77-80	2,50	C+	C	good
74-76	2,25	C		
71-73	2,00	C-		
67-70	1,75	D+	D	Satisfactory
64-66	1,50	D		
61-63	1,25	D-		
51-60	1,00	E	E	Sufficient
Not passed				
41-50		FX	FX	Insufficient
<40		F	F	Failed