



The University Of Georgia

Program name:	Management of Information Technology (Eng)
Study Level:	Graduate
Program leader:	Sulkhan Sulkhanishvili Salome Khaindrava
Study language:	English
Qualification:	Master of Information Technology Management
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 program aims to prepare professionals with integrated theoretical knowledge and practical skills in the management of modern information technologies. It covers areas such as IT infrastructure design, systems analysis, data protection, blockchain-based solutions, and project management. Graduates will be equipped to implement technological innovations at the organizational level, analyze and solve complex problems, and make informed decisions within managerial, legal, and ethical contexts.
Methods for Attaining Learning Outcomes:	• Method of demonstration; • News review; • Practical work; • Presentations; • Team work; • Literature review; • Method of working on the book; • Problem Solving exercises • Finding relevant material in electronic format or library;
Learning outcomes:	Knowledge and understanding • Analyzes and evaluates in-depth the principles of blockchain technology and decentralized systems • Critically analyzes personal data protection standards and legislation. Systematically describes IT management strategies and governance frameworks (such as ITIL, COBIT, and others). • Analyzes and evaluates in-depth structural components of systems • Critically analyzes infrastructure design principles, including network architecture and server management • Analyzes project management tools in depth and evaluates Agile/Waterfall methodologies Skills • Independently conducts research and works on a master's thesis • Critically analyzes and evaluates technological solutions at the organizational level • Independently develops decentralized systems on blockchain platforms • Independently manages projects in a timely and efficient manner • Critically evaluates and develops IT infrastructure • Leads the process of collaboration between teams to effectively achieve common goals Responsibility and autonomy • Independently plans and executes projects, ensuring their effective management. • Follows ethical standards and ensures the management of data protection-related issues. • Independently makes decisions in dynamic and unstable environments.
Date of approval:	02-05-2025
Approval protocol number:	13PDC6064-01

Date of program update:

Update protocol number:

Program details:

Teaching Process Characteristics:

The program consists of 120 ECTS credits: 72 ECTS in core courses, 48 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 204 ECTS, from which the student selects 48 ECTS.

Program Core

Code	Subject	ECTS	Semester
BLCH5111E	Architecture and Infrastructure of Distributed Ledger Systems	6	1
INFO6212E	Personal data protection in the digital age	6	1
INFO6330E	IT Management	6	1
INFO6340E	Structural analysis of systems	6	1
INFO6350E	IT infrastructure design	6	1
INFO5224E	Data Structures and Algorithms in C and C++	6	2
INFO6260E	IT Project Management	6	2
INFO6241E	MA Thesis	30	4

Total ECTS to be taken: 72

Program Elective

Code	Subject	ECTS	
INFO5225E	Information Systems Audit	6	
INFO5229E	Digital Transformation in Organizations	6	

Total ECTS to be taken: 12

Program Elective - Blockchain

Code	Subject	ECTS	Semester
BLCH5141E	Blockchain-Based Business Models and Real-World Asset Tokenization	6	2
BLCH5231E	Business-Processes	6	2
MATH4119E	Cryptology	6	2
BLCH5117E	Legal regulations for crypto assets	6	3
BLCH5321E	Smart Contract Technologies	6	3
Total ECTS to be taken:		30	

Program Elective - Management

Code	Subject	ECTS	Semester
INFO6140E	ERP systems structure and Functionality	6	1
INFO5249E	Agile-Software Development Project Management	6	2
BUSN0521	Business Communications	6	2
MGMT4550E	Leadership	6	2
INFO5256E	Transition of IT Services	6	2

INFO5254E	IT Service Strategy and Design	6	3
INFO5246E	ITIL4 Create, Deliver and Support	6	3
MGMT0511	Operations Management	6	3
MGMT0611	Strategic Management	6	3
INFO5600E	Law of Virtual Assets	6	6

Total ECTS to be taken: 60

Program Elective - networks

Code	Subject	ECTS	Semester
INFO5111E	Planning network switches	6	1
INFO5211E	Providing Routing in Networks	6	2
INFO6222E	Wireless Networks and Fundamentals of Automation	6	3
Total ECTS to be taken:		18	

Program Elective - Databases and programming

Code	Subject	ECTS	Semester
INFO5226E	Flask	6	1
INFO3369E	React Native: Cross-Platform Mobile Development	6	1
INFO6130E	Android Development	6	2
INFO6271E	Database System	6	2
INFO6250E	Industrial Platform-Based Development	6	2
INFO5250E	Mathematics for Computer Graphics	6	2
INFO6280E	Microsoft Asp.Net Core MVC Platform Based multi layer Web Application Tools I	6	2
INFO6363E	Mobile Application Development on the iOS Platform	6	2
INFO6160E	Operations Research in Computer Science	6	2
INFO5112E	Programming instrument for databases	6	2
INFO6135E	Web Platform-Based Development	6	2
INFO6263E	Big Data Systems	6	3
INFO6290E	Microsoft Asp.Net Core MVC Multi-Layer Web Development Tools II	6	3
INFO6262E	Spring Framework	6	3

Total ECTS to be taken: 84

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

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