#### THE MINISTRY OF HIGHER AND SECONDARY-SPECIALIZED EDUCATION OF THE REPUBLIC OF UZBEKISTAN

# TASHKENT UNIVERSITY OF INFORMATION TECHNOLOGIES NAMED AFTER MUHAMMAD AL-KHWARIZMI

APPRO	OVED	CURRICULUM	Academic level - MASTER  Type of study – credit system						
Rector	_T.Teshabaev	Speciality: 5A350902 - Intelligent information - communication systems	Form of study – full time						
2019 year "	<b>"</b>								

2019-2020 s.y.

### I. STUDY PROCESS TABLE

		Study process (in weeks)  WEEKS  Study process (in weeks)  From this							
Vear	WEEKS	ALL	Theoretical and practical study	Attestations	Internship	Credit weeks	Self-Study (vocati	ALL	
	September         October         November         December         January         February         March         April         May         June         July         August           1   2   3   4   5   6   7   8   9   10   11   12   13   14   15   16   17   18   19   20   21   22   23   24   25   26   27   28   29   30   31   32   33   34   53   36   37   38   39   40   41   42   43   44   45   46   47   48   49   50   51   52		Theo	Αŭ	프	Cre	•2		
I		35	30	2		3	17	52	
I		38	24	5	8	1	10	48	
	ALL 73 54 7 8 4 27 10								
	Theoretical and scientific activities A Attestations И Internship Д State attestation T forming of individual plan	К	Cı	redit	wee	ks			

#### II. CURRICULUM

	Subjects, blocks and types of activities		Student's study hours									Yearly, semester, weekly hours				
			Auditoria works (in hours)									1st year 2nd year				
											We	eks i	n the	vear		
TA.T			Volume of overall hours and ECTS			Lecture	Practice	5.		ork )	ıdy	30 24			4	
No.								ato	naı	we	Stı	Semesters				
		a	na EC	15	Overall	sct	ac.	0.0	Seminar	Course work (project)	Self-Study	1	2	3	4	
						ó	5   그   호		Practice Laboratory	Se	no (b	Š	Weeks number in			
				hours 0/ ECTS						C		semester				
		hours	%	ECTS								15	15	15	9	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
1.00	General Methodological Subjects	300	21	10	150	150	0	0	0	0	150	4	4	2	0	
1.01	Research methodology	60		2	30	30					30	2				
1.02	Innovation and project management	60		2	30	30					30		2			
1.03	Search and extract of information	60		2	30	30					30	2				
1.04	Artificial Intelligence and Neural Networks	60		2	30	30					30			2		
1.05	Algorithm design and analysis	60		2	30	30					30		2			
2.00	Specialty subjects IICS	690	48	23	240	150	75	15	0	0	450	6	3	7	0	
2.01	Engineering Mathematics, Statistics and Data Analysis	120		4	45	30	15				75	3				
2.02	Flow control, modeling and simulation	120		4	45	30	15				75		3			
2.03	Intelligent information and communication systems	180		6	60	30	15	15			120			4		
2.04	Geoinformation Systems	120		4	45	30	15				75			3		
2.05	Structural and object-oriented programs using MATLAB and PYTHON	150		5	45	30	15				105	3			ı	
3.00	Specialty selective subjects of the IICS	450	31	15	150	90	45	15	0	0	300	0	7	3	0	
3.01	Specialty selective subjects	180		6	60	30	15	15			120		4			
3.02	Specialty selective subjects	150		5	45	30	15				105		3			
3.03	Specialty selective subjects	120		4	45	30	15				75			3		
	Overall	1440	100	48	540	390	120	30	0	0	900	10	14	12	0	
4.00	Science activities	2160		72								8	8	8	20	
4.01	Preparation and defending the master thesis	1560		52								7	7	6	10	
4.02	Scientific pedagogical work	240		8								1	1	2		
4.03	Internship	360		12											10	
	Overall	3600		120	540	390	120	30	0	0	900	18	22	20	20	

## Specialty selective subjects:

- 1. Machine learning, Big Data and Data Mining Fundamentals
- 2. Image Analysis, Computer Vision, and Video Surveillance Systems
- 3. Technologies of intellectual control of moving objects
- 4. Web technologies and mobile applications for managing moving objects
- 5. Communication and information systems in intellectual transport
- 6. Mobility Service Design-and-Management and Economics of Mobility