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DIPLOMA SUPPLEMENT

International University of Innovation Technologies

The purpose of the Diploma Supplement is to provide sufficient independent data to improve the international 'transparency' and fair academic and professional recognition of qualifications (diplomas, degrees, certificates etc.). It is designed to provide a description of the nature, level, context, content and status of the studies that were pursued and successfully completed by the individual named on the original qualification to which this supplement is appended. It is free from any value judgements, equivalence statements or suggestions about recognition. This Diploma Supplement model was developed by the European Commission, Council of Europe and UNESCO.

1. INFORMATION IDENTIFYING THE HOLDER OF THE QUALIFICATION

1.1. Last name(s)	1.2. First name(s)
1.3. Date of birth (dd/mm/yyyy)	1.4. Student identification number or code (if available)

2. INFORMATION IDENTIFYING THE QUALIFICATION

2.1. Name of qualification and (if applicable) title conferred (in original language)	2.2. Main field(s) of study for the qualification
Bachelor	**Software Engineering: Development of software and information systems**
2.3. Name and status of awarding institution (in original language)	
International University of Innovation Technologies	
2.4. Name and status of institution (if different from 2.3) administering studies (in original language)	2.5. Language(s) of instruction/examination
see the item 2.3.	**Russian, Kyrgyz**

3. INFORMATION ON THE LEVEL OF THE QUALIFICATION

3.1. Level of qualification	3.2. Official duration of programme in credits and/or years
Bachelor (NQF 6 / EQF 6)	**Four years or 240 credits of ECTS**
3.3. Access requirements(s)	
General Secondary Education. Vocation School	

4. INFORMATION ON THE PROGRAMME COMPLETED AND THE RESULTS OBTAINED

4.1. Mode of study	4.2. Programme learning outcomes
Intramural	**Bachelor should:** **- Participate in research software products, projects, processes, methods and tools of software engineering;** **- Engage in the construction of models of software projects and software products with the use of computer modeling tools;** **- Perform a description of the research, prepare data for the compilation of reviews and reports;** **- Collect and analyze customer requirements to the software product;** **- Help the customer in the evaluation and selection of software options;** **- Design of software components to the extent necessary for their construction within the framework of the assigned tasks;** **- Create software components;** **- Carry out measurements and refactoring code in accordance with the plan;** **- Develop a test environment and the creation of test scripts** **- Develop and execute the sketch, technical and working design documentation;** **- Develop and apply computer-aided design, development, testing and maintenance of software; methods and tools of management of engineering activities and processes the software life cycle;** **- Carry out monitoring, evaluation and quality assurance of software products;** **- Ensure compliance with the developed software and technical documentation standards, specifications, regulations;** **- Conduct training and certification of software systems users;** **- Participate in the development of methods of teaching technical staff and benefits for the use of software systems;** **- Plan and coordinate the setting up and maintenance of software;** **- Organize the work of small groups of program implementers;** **- Commissioning of the software to carry out maintenance of the software product during operation;** **- Train and advise the user to work with the software system.**
4.3. Programme details, individual credits gained and grades/marks obtained	
Please see overleaf	

4.3. Programme details, individual credits gained and grades/marks obtained

	Subjects	Academic hours	Credits	Mark	Literal equivalent of the mark
1	Kyrgyz language and literature	240	8		
2	Russian language	120	4		
3	Foreign language	120	4		
4	Domestic history	120	4		
5	Manas studies	60	2		
6	Philosophy	120	4		
7	Geography of Kyrgyzstan	60	2		
8	Jurisprudence	60	2		
9	Mathematics	300	10		
10	Informatics	240	8		
11	Physics	240	8		
12	Ecology	60	2		
13	Mathematical logic	120	4		
14	Discrete Math	120	4		
15	MySQL	120	4		
16	Structured programming	180	6		
17	Algorithm and data structures	120	4		
18	Economics (in software engineering)	90	3		
19	Computing systems architecture	90	3		
20	Computing systems architecture	90	3		
21	Operating systems	120	4		
22	The database	180	6		
23	Software design	180	6		
24	System Programming	120	4		
25	Design and architecture of software systems	90	3		
26	Computer graphics	210	7		
27	Safety of life activity	90	3		
28	Object-oriented programming	210	7		
29	Algorithmic language	150	5		
30	Algorithmic language	90	3		
31	Algorithmic language	120	4		
32	Methods and means of information protection	90	3		
33	WEB-programming	240	8		
34	Intelligent systems and technologies	150	5		
35	Network technologies	120	4		
36	Software testing	120	4		
37	Network administration	180	6		
38	Modern programming languages	270	9		
39	Software Project Management	120	4		
40	Coding theory	120	4		
41	Programming languages	120	4		
42	Multimedia technologies	180	6		
43	Programming in graphical environments	180	6		
44	Programming in a high level language	150	5		
45	Queuing theory	120	4		
46	Physical culture	400			
TERM PAPERS					
47	The database				
48	System Programming				
49	WEB-programming				
50	Object-oriented programming				
PRACTICES					
51	Introductory training practice	60	2		
52	Apprenticeships practice	180	6		
53	Pre-qualification practice	210	7		
STATE ATTESTATION EXAMINATIONS					
54	State interdisciplinary exam in the disciplines «Kyrgyz language and literature», «History of Kyrgyzstan» and «Geography of Kyrgyzstan»	60	2		
55	State examination in the specialty	300	10		
GRADUATE QUALIFICATION THESIS					
	Development of an information system for the College of Innovative Technologies and Economics "itec.kg"				

GRADE POINT AVERAGE (GPA) - Averaged score of all figure equivalent of the marks without taking into account the number of hours in subjects and excluding passed records: 4,91

4.4. Grading system and, if available, grade distribution table	4.5. Overall classification of the qualification (in original language)
The university rating system for the evaluation of knowledge of students is based on 100 grades rating scale, literal equivalent of the mark and figure equivalent of the mark. For each course taken, the student is given one of the following grades. If this grade exceeds or equals 61, the student will succeed that course.	**Diploma with Honours**

Rating grades	Literal equivalent of the mark	Figure equivalent of the mark	Mark
87-100	A	5,0	EXCELLENT
74-87	B	4,0	GOOD
61-74	D	3,0	SATISFACTORY
1-61	FX	2,0	UNSATISFACTORY
61-100	S	-	PASSED

5. INFORMATION ON THE FUNCTION OF THE QUALIFICATION

5.1. Access to further study	5.2. Access to a regulated profession (if applicable)
Studies For Magistr's Qualification (Master's degree)	**Not applicable. Access to academic professions according to the professional regulations.**

6. ADDITIONAL INFORMATION

6.1. Additional information	6.2. Further information sources
Perpetual license of the Ministry of Education and Science of the Kyrgyz Republic №LS190002702 from 26.06.2019. **Accreditation of the «Agency for accreditation educational organizations and programs «SAPATTUU BILIM» institution. Certificate of accreditation №VU240000361 (04.06.2024-04.06.2029).**	**Kyrgyz Republic, 720048, Bishkek, Ankara st. 1/17, International University of Innovation Technologies** **Phone: +996 (312) 44 99 03** **E-mail: intuit@intuit.kg** **Web: www.intuit.kg**

7. CERTIFICATION OF THE SUPPLEMENT

7.1. Date			7.2. Signature

7.3. Capacity	7.4. Official stamp or seal
Rector Ulugbek Turdalievich Begaliev	

8. INFORMATION ON THE NATIONAL HIGHER EDUCATION SYSTEM

Description of the National system of Higher Education of the Kyrgyz Republic

The Kyrgyz Higher Education system consists of the following High Institutions:
1. The Universities, which:
• implement programs of higher education, undergraduate and postgraduate, in different fields;
• carry out fundamental and applied research on a wide range of issues;
• prepare, train, retrain and ensure professional development, and also prepare scientists and scientific-researchers (Candidates and Doctors of Sciences);
• constitute a scientific and methodological center in different fields.
2. The Academies, which:
• implement programs of higher education, under-graduate and postgraduate in its field of scientific activity;
• carry out fundamental and applied research on a wide range of issues;
• prepare, train, retrain and ensure professional development, and also prepare scientists and scientific-researchers (Candidates and Doctors of Sciences);
3.The Institutes are the structural subdivisions of the University or Academy, which:
• implement programs of higher education and educational programs for undergraduates;
• prepare, train, retrain, and ensure professional development of workers with higher education;
• prepare scientific and scientific-research pedagogical personnel for certain sphere of professional activity;
• carry out some fundamental and applied researches of fundamental and applied character, according to the specialists' prepared profile.
4. The Specialized Institutes (conservatories, specific purpose institutes), which:
• implement programs of higher and postgraduate education;
• prepare, train, retrain, ensure professional development, and also prepare scientific and scientific-research pedagogical personnel for certain sphere of professional activity;
• carry out applied scientific researches.

Educational and professional programs and awarded qualifications

Higher Education institutes of the Kyrgyz Republic conduct education according to the following educational professional programs:
• Bachelor's degree. Apprenticeship: 4-5 years. To get a Bachelor's degree one needs to pass the final state examination and defend a Bachelor's thesis.
• Master's degree. Apprenticeship: 2-3 years. To get a Master's degree one needs to pass the final state examination and defend a Master's thesis.
• Specialist's qualification. Apprenticeship: 5-6 years. To get a Specialist's qualification one needs to pass the final state examination and defend a thesis paper.
• Postgraduate degree. Master and Specialist has the right to enter postgraduate courses. Apprenticeship: 3-4 years. The education ends with the defending of Scientific thesis conferring to Ph.D. or Candidate's degree.
• Doctor's degree. Apprenticeship: 3 years. Ph.D. holders with practical work experience have the right to enter Doctor's degree courses. The education for Doctor's degree ends with the defending of a Doctoral thesis conferring to Doctor's degree.

License of the educational professional programs

Institutes of higher education should have a license of Ministry of Education and Science of the Kyrgyz Republic to implement the educational activity in order to realize educational professional programs of different levels.

Accreditation of educational organizations

Accreditation of educational organizations is carried on a voluntary basis.
Educational organizations are obtain to institutional and program accreditation in accreditation bodies recognized by the Ministry of Education and Science of Kyrgyz Republic. The Ministry of Education and Science of Kyrgyz Republic maintains a Register of recognized accreditation bodies.
Educational organizations that have passed accreditation have the right to issue state-issued documents or documents of their own sample to graduates by the decision of educational organizations themselves.

The National Qualifications Framework (NQF) of the Kyrgyz Republic

NQF contains 9 qualification levels, which corresponds to the European Qualifications Framework (EQF) and educational levels according the table:

European Qualifications Framework (EQF)	Educational levels	National Qualifications Framework (NQF) of the Kyrgyz Republic	Qualifications Framework in the European Hugher Education Area (QF-EHEA)
EQF 8	8. Doctoral Degree	NQF 8-9	Third Cycle
EQF 7	7. Master's Degree	NQF 7-8	Second Cycle
EQF 6	6. Higher Education, Bachelor's Degree	NQF 6-7	First Cycle
EQF 5	5. Post-Secondary Education	NQF 5-6	Short Cycle
EQF 4	4. Technical and Vocational Education	NQF 4-5	
EQF 3	3. General Secondary Education	NQF 3	
EQF 2	2. Basic Secondary Education	NQF 2-3	
EQF 1	1. Primary Education	NQF 1	
	0. Pre-School Education and Training		