



**SATBAYEV
UNIVERSITY**

**Satbayev Kazakh National Research Technical
University**

DIPLOMA SUPPLEMENT

This Diploma Supplement follows the model developed by the European Commission, the Council of Europe and UNESCO/CEPES. The purpose of this 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 should be free of any value - judgments, equivalence statements or suggestions about recognition. Information should be provided in all eight sections. Where information is not provided, a reason should be given.

1	INFORMATION IDENTIFYING THE HOLDER OF THE QUALIFICATION	
1.1	Last Name(s)	
1.2	First Name(s)	
1.3	Date of Birth (Day/Month/Year)	
1.4	Student Identification Number	
2	INFORMATION IDENTIFYING QUALIFICATION	
2.1	Name of Qualification and (if applicable) title conferred(in original language)	" Master of Technical Sciences"
2.2	Main field(s) of study for the qualification	7M07202 - "Petroleum Engineering"
2.3	Name and Status of Awarding University (in original language)	Қ.И.Сәтбаев атындағы Қазақ Ұлттық техникалық зерттеу университеті, Білім берудегі сапаны қамтамасыз ету жөніндегі Тәуелсіз агенттікпен (IQAA) аккредиттелген (https://iqaa.kz). 2020жылдың 28 желтоқсанынан бастап
2.4	Name and Status of Awarding University (in English)	Satbayev University of Research & Technology, accredited by Independent Agency for Quality Assurance in Education (IQAA), (https://iqaa.kz). From 28/12/2020.
2.5	Language(s) of Instruction/Examination	Kazakh, Russian
3	INFORMATION ON THE LEVEL OF THE QUALIFICATION	
3.1	Level of Qualification	Master's Degree (7th level of NQF / 7th level of EQF)
3.2	Official duration of Program in credits and/or years	120ECTS
3.3	Access Requirements	For master's degree – higher education (bachelor's degree)
4	INFORMATION ON THE CONTENTS AND RESULTS GAINED	
4.1	Mode of Study	Full-Time

4.2	Program learning outcomes/competencies	<p>A graduate who has completed the Master’s degree program "Petroleum Engineering" should be:</p> <ol style="list-style-type: none"> 1. apply knowledge of oil and gas engineering and skills of critical analysis, evaluation and synthesis of new ideas in professional activities 2. apply qualitative and quantitative methods of analysis, collect, integrate and interpret data according to the standards of the oil and gas industry 3. demonstrate a steady desire for continuous improvement of their professional knowledge and self-development 4. conduct independent research based on their own skills and abilities to obtain scientific results that contribute to the development of the oil and gas industry 5. have a developed ability to conduct professional written and oral communication with all stakeholders in the oil and gas industry 6. have the ability to demonstrate high professional qualities and ethics during the performance of production and/or scientific tasks of the oil and gas industry 7. able to design a system, component, or process to meet desired needs within realistic constraints of the oil and gas industry; 8. able to identify, formulate and solve scientific and technical problems; 9. know the methods and have the skills to conduct modern experimental research using information technology and mathematical modeling for petroleum engineering; 10. to understand the significance and impact of scientific and technical solutions in a global, economic, environmental and social context.
4.3	Program Details, individual credits gained and grades/marks obtained	<p>The goal (mission) of the MA of the 7M07202 - "Petroleum Engineering" educational program is to train highly qualified specialists in the oil and gas industry with modern scientific, pedagogical and entrepreneurial skills and competencies capable of professionally solving problems at all stages of project implementation in oil and gas organizations in accordance with the needs of developing manufacturing enterprises.</p> <p>A feature of this master's program is the training of graduates who are able to conduct the following types of professional activity: - pedagogical; - research; - organizational and managerial; - production and technology.</p> <p>The objects of graduate professional activity are: secondary special and higher educational institutions; engineering enterprises; design and research organizations; research institutes specializing in the designing of oil-gas fields; organizations and companies specializing in the production of oil-gas.</p> <p>The term of study in the magistracy is determined by the volume of mastered academic credits. When mastering a set amount of academic credits and achieving the expected learning outcomes for a master’s degree, the master’s</p>

		<p>educational program is considered fully mastered. In the scientific and pedagogical magistracy at least 120 academic credits for the entire period of study, including all types of educational and scientific activities of the student.</p> <p>The content of the magistracy educational program consists of: 1) theoretical training, including the study of cycles of basic and major disciplines; 2) practical training of undergraduates: various types of practices, scientific or professional internships; 3) research work, including the implementation of a master's thesis. 4) final certification.</p> <p>A graduate who has mastered the master's degree program should have the following general professional competencies:</p> <ul style="list-style-type: none"> - the ability to apply knowledge of fundamental and applied science and technology, as well as identify, formulate and solve scientific and technical problems to improve technological processes; - effectively convey information and scientific thoughts to other people; - practice scientific, ethical, social, and environmental standards in their professions in a responsible manner; -demonstrate a high level of competence in experimental research; -work in diverse and multicultural teams; -to serve science, society, the oil and gas industry, the state through participation in professional communities and in public organizations; -be successful professionals and lead the team, the organization, the Republic of Kazakhstan and the world community to new achievements; <p>Individual credits gained and grades/marks obtained see the Appendix to the diploma (transcript).</p>																																																							
4.4	Grading Scheme	<table border="1" data-bbox="746 1368 1422 1921"> <thead> <tr> <th>Evaluation</th> <th>GPA</th> <th>Point %</th> <th>Appreciation</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>4</td> <td>95-100</td> <td>"Excellent"</td> </tr> <tr> <td>A-</td> <td>3,67</td> <td>90-94</td> <td>" Excellent "</td> </tr> <tr> <td>B+</td> <td>3,33</td> <td>85-89</td> <td>"Good"</td> </tr> <tr> <td>B</td> <td>3</td> <td>80-84</td> <td>"Good"</td> </tr> <tr> <td>B-</td> <td>2,67</td> <td>75-79</td> <td>"Good"</td> </tr> <tr> <td>C+</td> <td>2,33</td> <td>70-74</td> <td>"Good"</td> </tr> <tr> <td>C</td> <td>2</td> <td>65-69</td> <td>"Satisfactory"</td> </tr> <tr> <td>C-</td> <td>1,67</td> <td>60-64</td> <td>" Satisfactory "</td> </tr> <tr> <td>D+</td> <td>1,33</td> <td>55-59</td> <td>" Satisfactory "</td> </tr> <tr> <td>D-</td> <td>1</td> <td>50-54</td> <td>" Satisfactory "</td> </tr> <tr> <td>FX</td> <td>0,5</td> <td>25-49</td> <td>" Unsatisfactory "</td> </tr> <tr> <td>F</td> <td>0</td> <td>0-24</td> <td>" Unsatisfactory "</td> </tr> </tbody> </table>				Evaluation	GPA	Point %	Appreciation	A	4	95-100	"Excellent"	A-	3,67	90-94	" Excellent "	B+	3,33	85-89	"Good"	B	3	80-84	"Good"	B-	2,67	75-79	"Good"	C+	2,33	70-74	"Good"	C	2	65-69	"Satisfactory"	C-	1,67	60-64	" Satisfactory "	D+	1,33	55-59	" Satisfactory "	D-	1	50-54	" Satisfactory "	FX	0,5	25-49	" Unsatisfactory "	F	0	0-24	" Unsatisfactory "
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5	INFORMATION ON THE FUNCTION OF THE QUALIFICATION	
5.1	Access to Further Study	The graduate can continue education in a doctoral studies
5.2	Access to a regulated profession (if applicable)	Applicable
6	ADDITIONAL INFORMATION	
6.1	Additional information	The educational program is accredited by ASIIN. From 01/06/202016 to 30/09/2022
6.2	Further information sources	For more information, please refer to the website: https://satbayev.university
7	CERTIFICATION OF THE SUPPLEMENT	
7.1	Date	
7.2	Signature	Meiram Begentayev
7.3	Status	Rector
7.4	Official Stamp	
8	INFORMATION ON THE NATIONAL HIGHER EDUCATION SYSTEM	
<p>Higher education Citizens who have general secondary or technical and vocational, or post-secondary education acquire higher education. A citizen has the right to receive free higher education on a competitive basis. Training in degree programs of higher education is carried out in the form of full-time education and (or) external studies.</p> <p>The main types of organizations of higher and (or) postgraduate education are a national research university, a national organization of higher and (or) postgraduate education, a research university, a university, an academy, an institute and equivalent (conservatory, high school).</p> <p>A student who has passed the final certification for the development of the degree program of higher education (180-249 ECTS) is awarded the degree of 'bachelor' or is awarded the qualification of 'specialist'.</p> <p>Postgraduate education Citizens with higher education acquire postgraduate education.</p> <p>Postgraduate education is carried out in the master's degree programme, residency and doctoral degree of organizations of higher and (or) postgraduate education, scientific organizations on the main activity profile and areas of staff training, as well as by sending scholars of the Bolashak international scholarship to study at leading foreign organizations of higher and (or) postgraduate education in full-time education in accordance with the list of specialties annually approved in the manner prescribed by the legislation of the Republic Kazakhstan.</p> <p>Training in the master's degree program is carried out on the basis of degree programs of higher education in two areas:</p> <ul style="list-style-type: none"> - Scientific & Teacher training degree with a study period of at least two years (120 ECTS); - Professionally oriented degree with a study period of at least one year (60-90 ECTS). Training in doctoral degree is carried out on the basis of master's degree programs in two areas: - Scientific & Teacher training degree with a study period of at least three years (180 		

ECTS);

- Professionally oriented degree with a study period of at least three years (180 ECTS).

Persons who have received a master's degree or have mastered degree programs of postgraduate education in military specialties, to obtain the degree of Doctor of Philosophy (Ph.D.), doctor in the professionally oriented program are trained in the doctoral studies of military, special educational institutions for at least three years.

Postgraduate medical and pharmaceutical education includes residency, master's & doctoral degree.

The residency provides in-depth training in clinical specialties with a duration of training from two to four years, depending on the specialization. The authorized body in the field of health care approves the rules for training medical staff in residency.

The list of degree programs of higher and postgraduate education is contained in the register of degree programs. Accreditation of educational organizations.

Accreditation of educational organizations is carried on a voluntary basis.

Educational organizations are obtain to institutional and degree program accreditation in accreditation bodies recognized by the Ministry of Education and Science of the Republic of Kazakhstan.

The Ministry of Education and Science of the Republic of Kazakhstan maintains a Register of recognized accreditation bodies, accredited educational organizations and degree programs.

The National Qualifications Framework of Kazakhstan contains 8 qualification levels, which corresponds to the European Qualifications Framework (EQF) and educational levels. The eight recommended levels are described in the form of learning outcomes.

European Qualifications Framework (EQF)	Levels	Kazakhstan's National Qualifications Framework (NQF)	Qualifications Frameworks in the European Higher Education Area (QF-EHEA)
EQF 8	8. Doctoral Degree	NQF 8	Third Cycle
EQF 7	7. Master's Degree	NQF 7	Second Cycle
EQF 6	6. Higher Education. Bachelor's Degree	NQF 6	First Cycle
EQF 5	5. Post-Secondary Education	NQF 5	Short Cycle
EQF 4	4. Technical & Vocational Education	NQF 4	
EQF 3	3. General Secondary Education	NQF 3	
EQF 2	2. Basic Secondary Education	NQF 2	
EQF 1	1. Primary Education	NQF 1	
	0. Pre-School Education & Training		