

EDUCATIONAL PROGRAM

7M07242 Technology and design of light industry products

code and name of the educational program

Level: master's (scientific and pedagogical track)

Approved

By the Board of Directors of «KazUTB named after K. Kulazhanov» JSC

from " 15 " 03 2026. Protocol No. 4

Recommended

By the Academic Council of «KazUTB named after K. Kulazhanov» JSC

from " 27 " 02 2026. Protocol No. 7

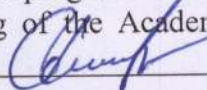
Astana, 2026

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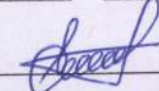
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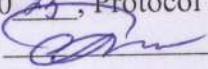
Preface

The educational program «7M07242 Technology and design of light industry products» is developed in accordance with the requirements of the State Mandatory Standard of Higher Education, approved by the Order of the Minister of Science and Higher Education of the Republic of Kazakhstan No. 2 dated July 20, 2022, as well as the Professional Standards «Modeling, Design and Technology of Garment Manufacturing» and «Professional Standard for Academic Staff of Higher and (or) Postgraduate Education Organizations».

The educational program «7M07242 Technology and Design of Light Industry Products» was approved at the meeting of the Academic Quality Council on «22» 01 2026, Protocol No. 3.
Chairperson:  Askarbekov E.B.

The educational program «7M07242 Technology and Design of Light Industry Products» was endorsed at the meeting of the Academic Quality Committee of the Technological Faculty on «19» 12 2025, Protocol No. 3.

Chairperson:  Safuani Zh.E.

The educational program «7M07242 Technology and Design of Light Industry Products» was developed and discussed at the meeting of the Department of «Technology of Light Industry and Design» on «17» 12 2025, Protocol No. 5.
Head of Department:  Baizhanova Zh.B.

Approval sheet

Educational program «7M07242 Technology and design of light industry products»

AGREED:

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Administrative Affairs



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1 Passport of the Educational Program

International Standard Classification of Education (ISCED) level	7
National Qualification Framework (NQF) level	7
Sectoral Qualifications Framework (SQF) level	7
Code and name of the field of education	7M07 Engineering, Manufacturing, and Construction Industries
Direction of training	7M072 Manufacturing and Processing Industries
Number and name of the group of educational programs	M114 Textile: Clothing, Footwear, and Leather Products
Code and name of the educational program (EP)	7M07242 Technology and design of light industry products
Educational program profile	Scientific and pedagogical
Goal of the Educational Program (EP)	Preparing master's students for research and teaching activities in the field of clothing technology and design.
Completion criterion of an educational program	Completion Criterion for the EP: At least 120 academic credits, including all types of academic activities of the student
Language of instruction of the educational program	russian, kazakh
Distinctive features of the educational program	Distinctive Features of the EP: Accreditation of the EP by an international accreditation agency for ensuring the quality of education
Partner University	-

2 Qualification Characteristics of the Graduate of the Educational Program

Degree Awarded	Master of Technical Sciences in the educational program "Technology and Design of Light Industry Products."
Field of professional activity	Professional Activity Field The field of professional activity involves design-engineering, production, and innovation activities aimed at creating competitive products in the light industry and the fashion industry, and ensuring the population of the Republic of Kazakhstan with competitive products.
Types of professional activities	Types of Professional Activity A graduate from the 7M07242 "Technology and Design of Light Industry Products" program is prepared to perform the following types of professional activities: Production-engineering Organizational and managerial Research Project (design) Scientific-pedagogical
Object of professional activity	Objects of Professional Activity Graduates will engage with the following objects in their professional activity: • Sewn products • Design and modeling processes for light industry products • Regulatory and technical documentation and standardization systems

	• Methods and means of testing and quality control of materials and products in light industry
Functions of professional activity	Functions of Professional Activity (Labor Functions) Depending on their basic and specialized training, graduates can perform the following functions in the professional field: Production-Engineering: • Development of technical documentation for the designed product (sketches, drawings, models). • Preparation of detailed specifications for design projects and participation in their defense. • Consultation on designing competitive garments. • Introduction of new materials into production to create competitive products in line with market demands and fashion trends. • Investigation of production defects and proposals for their prevention and elimination. Organizational-Managerial Activity: • Organization of marketing and sales structures to improve business sustainability and competitiveness. • Management in conditions involving a broad range of opinions, determining work execution procedures. • Preparation of applications for inventions and industrial designs of products. • Employee qualification and training. • Development of innovation activity plans and programs within the enterprise. Research Activity: • Management of research activities and commercialization of intellectual property rights. • Preparation of research and technical development work plans. • Design project activity, preparing tasks for performers. • Collection, processing, analysis, and systematization of scientific and technical information. • Selection of methods and means for solving the research task. • Conducting patent analysis. Project (Design) Activity: • Preparation of tasks for project and design solutions. • Preparation of generalized solutions for emerging issues, analyzing and forecasting consequences, and finding compromises in multi-criteria conditions. • Selection of measures for the rational use of material resources and control over their consumption. • Studying and implementing domestic and international practices in the industry. Scientific-Pedagogical Activity: • Conducting teaching activities in vocational and higher educational institutions as a lecturer or assistant under the guidance of a lead instructor, professor, or associate professor. • Development of educational and methodological materials used by students in the learning process.

3 Requirements for the content of the educational program

Name of cycles and disciplines	Workload in academic credits
Cycle of Basic Disciplines (BD)	35
University Component	20
Elective Component	15
Cycle of Profile Disciplines (PD)	53
University Component	40
Elective Component	13
Master's Research Work, including Internship and Master's Thesis	24
Final Certification	8
Total	120

4 Competency map of the educational program «7M07242 Technology and Design of Light Industry Products»

Competence map of the educational program	Learning outcome code	Learning Outcome (according to Bloom's Taxonomy)
Behavioral skills and personality traits (Softskills)	LO1	Apply professional vocabulary and specialized language constructions for the analysis, interpretation and presentation of information in scientific and professional activities.
	LO2	Analyze scientific knowledge and philosophical concepts based on the study of the influence of historical and cultural factors on the formation of science.
	LO4	Implement managerial and scientific-pedagogical functions based on the synthesis of psychological methods and pedagogical principles.
Digital competencies (Digital skills)	LO3	Apply pedagogical approaches, teaching methods and educational technologies in the design and implementation of the educational process in higher education.
	LO10	Use AI to analyze data and create personalized 3D virtual clothing.
Professional skills (Hardskills)	LO5	Apply design principles and requirements to the development of folk craft products in modern production conditions.
	LO6	Use information technology and computer-aided design systems to develop clothes of various assortment from innovative materials.
	LO7	Integrate the knowledge gained in the framework of studying the disciplines of designing garments for solving analytical and managerial tasks in new changing conditions, in related industries.
	LO8	Use effective and environmentally friendly methods of textile processing with planning of technical and organizational measures for centralized collection, storage and sorting of waste from textile production and clothing.
	LO9	Apply professional approaches to evaluation of fit and formation of structures of system analysis of suit parameters.

5 Learning outcomes of the educational program and modules

Key Competencies	Learning Outcomes (LO) for the educational program	Name of module	Learning outcomes for the module	Name of disciplines that form learning outcomes
Behavioral skills and personality traits (Softskills)	PO1 Apply professional vocabulary and specialized language constructions for the analysis, interpretation and presentation of information in scientific and professional activities.	Basic module	Fluently conducts professional and academic communication in a foreign language, effectively applying terminology tools to analyze professional texts.	Foreign Language (Professional)
	PO2 Analyze scientific knowledge and philosophical concepts based on the study of the influence of historical and cultural factors on the formation of science.	Basic module	Critically evaluates philosophical concepts of scientific inquiry and methodological principles within the context of contemporary research.	History and Philosophy of Science
	PO4 Implement managerial and scientific-pedagogical functions based on the synthesis of psychological methods and pedagogical principles.	Basic module	Makes effective managerial decisions within professional teams by applying psychological methods and principles of pedagogical management.	Management Psychology
	PO3 Apply pedagogical approaches, teaching methods and educational technologies in the design and implementation of the educational process in higher education.	Basic module	Models and designs the higher education instructional process based on didactic principles and innovative educational technologies.	Pedagogy of Higher Education
Digital competencies (Digital skills)	PO10 Use AI to analyze data and create personalized 3D virtual clothing.	Engineering and technological module	Develops modern methodological systems for teaching technical and vocational disciplines and formulates course syllabi and lesson plans.	Methods of Teaching Special Disciplines
		Scientific design module	Implements AI algorithms and 3D virtual simulation digital tools for customized apparel design.	Designing Web Applications
Professional skills (Hardskills)	PO5 Apply design principles and requirements to the development of folk craft products in modern production conditions.	Innovative technological	- Designs competitive products by integrating elements of traditional ethnic culture with modern industrial design concepts.	Designing and Organizing the Production of Traditional Handicrafts in Modern Conditions Industrial Design of Products in the Ethnic Style and Organization of Technological Processes of Their Manufacture

	Engineering and technological	and Executes structural and technological production preparation for light industry products using Computer-Aided Design (CAD) tools.	Modern Design of Light Industry Products Based on a Rational System of Typical Figures
PO6 Use information technology and computer-aided design systems to develop clothes of various assortment from innovative materials.	Engineering technological	and Establishes manufacturing product-mix policy based on market demand and conducts technical engineering of multi-category garment collections using novel materials.	Assortment Policy of the Enterprise for Designing Multiasortment Collections
PO7 Integrate the knowledge gained in the framework of studying the disciplines of designing garments for solving analytical and managerial tasks in new changing conditions, in related industries.	Innovative technological	-Анализирует свойства инновационных нанотехнологических материалов в индустрии моды и обосновывает их применение при создании новых продуктов.	Ткани будущего и нанотехнология инновации в материалах индустрии моды
	Module compulsory disciplines	of Integrates scientific research methods and mathematical organization and planning models into the design of special-purpose apparel.	Methods of Designing Special Methods of Clothing Organization, Planning and Methodology of Scientific Research
	Scientific module	design Comprehensively develops innovative technological solutions during the digitalization of garment manufacturing enterprises and ergonomic apparel design.	Innovative Technologies in the Production of Light Industry Products Ergonomic Design of Clothing Designing Digital Sewing Enterprises
PO8 Use effective and environmentally friendly methods of textile processing with planning of technical and organizational measures for centralized collection, storage and sorting of waste from textile production and clothing.	Scientific module	design Substantiates and designs eco-friendly and resource-saving processing flowcharts for light industry waste recycling.	Technologies for Processing Waste from Textile Production
PO9 Apply professional approaches to evaluation of fit and formation of structures of system analysis of suit parameters.	Engineering and technological	and Systematizes the theoretical and methodological frameworks for evaluating garment fit on the human body and analyzes pattern-making defects.	Dimensional Typology as the Basis for the Industrial Production of Clothing
	Innovative technological	-Synthesizes the design structure of complex-shaped products utilizing engineering concepts of systems costume design.	Engineering Concepts in a Suit The Method of System Design of the Suit

6 Взаимосвязь достижимости формируемых результатов обучения по образовательной программе и учебных дисциплин

№	Name disciplines	Brief description of the discipline	Number of credits	Formed Learning Outcomes (Codes)									
				LO 1	LO 2	LO 3	LO 4	LO 5	LO 6	LO 7	LO 8	LO 9	LO 10
Cycle of basic disciplines													
University Component/ Elective Component													
1	Management Psychology	The discipline is focused on mastering the teaching methodologies of psycho-managerial courses and educational technologies. As a result of the training, the master's student designs the educational process and applies psychological mechanisms of influence to develop managerial and communicative competencies.	4					+					
2	History and Philosophy of Science	The discipline aims to cultivate a culture of scientific thinking and develop methodological analysis skills. The learning process focuses on a profound understanding of the specifics of cognition, ensuring the high-quality completion of the master's thesis and the achievement of a high level of academic integrity in preparing scientific publications. Throughout the course, the master's student analyzes the theoretical problems of modern science and substantiates the methodological framework of their own scientific research.	4	+									
3	Higher School Pedagogy	The discipline is aimed at developing the pedagogical competence of master's students, mastering teaching methods and techniques, and implementing modern educational technologies. The program prepares students for professional and research activities in an academic environment. During the course, master's students master modern pedagogical concepts, design lessons based on effective methodologies, integrate digital and innovative learning technologies into the educational process, solve professional tasks, and formulate well-founded conclusions.	4			+							
4	Foreign Language (Professional)	The discipline is aimed at developing academic interaction and scientific writing skills. While studying the subject, the	4	+									

[illegible]

[illegible]

[illegible]

	implementation of the educational process in higher education.	assessment)	Methodological workshops
LO4	Implement managerial and scientific-pedagogical functions based on the synthesis of psychological methods and pedagogical principles.	Defense of case study solutions Assessment of business game results Self-assessment and peer-assessment sheets	Case study method Role-playing and business games Coaching and mentoring technologies
LO5	Apply design principles and requirements to the development of folk craft products in modern production conditions.	Ethnic design project (sketch collection) Exhibition-presentation Expert evaluation of creative work	Research methods Practical workshops Visual and modeling method
LO6	Use information technology and computer-aided design systems to develop clothes of various assortment from innovative materials.	Production patterns developed in CAD Technical documentation package Defense of laboratory works	Computer-aided modeling and design Practical demonstration method Independent industrial tasks
LO7	Integrate the knowledge gained in the framework of studying the disciplines of designing garments for solving analytical and managerial tasks in new changing conditions, in related industries.	Interdisciplinary comprehensive project Performance level in situational problem solving	Problem-oriented learning Group brainstorming Strategic sessions
LO8	Use effective and environmentally friendly methods of textile processing with planning of technical and organizational measures for centralized collection, storage and sorting of waste from textile production and clothing.	Assessment method Eco-startup project or business plan Development of checklists and technical regulations	Sustainable development methodology Industrial site visits (or virtual tours) Production logistics simulation
LO9	Apply professional approaches to evaluation of fit and formation of structures of system analysis of suit parameters.	Garment fit testing report Preparation of expert opinion	Practical laboratory analysis Comparative analysis method Client relations training
LO10	Use AI to analyze data and create personalized 3D virtual clothing.	Finished digital model of 3D virtual clothing Report on AI prompts and neural network results	Working with AI tools Digital laboratory method Inquiry-based learning

8 Correlation of learning outcomes of the educational program with the labor functions of professional standards

Name of the professional standards used	Professions at level 7 of the SQF	Labor functions / Professional duties	Tasks	Learning outcomes for the educational program
Professional Standard: In the Field of Light Industry	Conformity Assessment Expert in Light Industry	Labor function 1: Carrying out work to confirm the conformity of sewing products	Task 1: Analysis and evaluation of materials (raw data) and products for conformity assessment Задача 2: Conducting inspection control	LO6, LO7, LO8, LO9, LO10
Professional Standard: Educator of Higher and (or) Post-Graduate Education Organizations (Academic Staff)	Lecturer, Assistant in Education	Labor function 1: Teaching Labor function 2: Conducting scientific research Labor function 3: Implementation of scientific and methodological work Labor function 4: Socialization of learning youth	Task 1: Ensuring the required level of academic competence of students Task 2: Ensuring the integration of science, higher education and the labor market Task 3: Scientific and methodological support for Higher Education Institution macro-processes Task 4: Promotion of social values among students	LO3, LO1, LO2, LO5, LO4

9 Graduate model

GRADUATE MODEL			
Professional Standards: «Modeling, Design and Technology of Garment Manufacturing» and «Professional Standard for Academic Staff of Higher and (or) Postgraduate Education Organizations»	Competencies (soft skills, digital skills)		
	Attributes of a graduate	knowledge	Skills
	Ability to plan, Ensuring that the work is completed on time; Efficiency. rational use of resources; Perseverance, attentiveness, patience, ability to remain calm, accuracy; perseverance; Digital competence. The formation of the personality of a specialist, expressed in the unity of knowledge, skills and personal qualities for the performance of all types of professional and social activities in changing conditions	On the properties, classification and purpose of materials used in light industry; Anthropometric and ergonomic norms for designing clothing structures; Technological processes for the manufacture of garments, including the sequence of operations, processing modes and quality control; Modern approaches to product quality management and implementation of innovative technologies.	It is aimed at the formation of the personality of a specialist, expressed in the unity of knowledge, skills and personal qualities for the performance of all types of professional and social activities in changing conditions. The student owns the research methodology and is able to explore the features of culture, social life, well-being, behavior in the social sphere of various national-ethnic and gender-age, as well as socially class groups.
	Professional skills (hard skills)		
	Take and process anthropometric measurements to design clothing in accordance with established codes and standards; Develop and execute design and process documentation (drawings, process flow charts, layout diagrams); Control the quality of finished products at all stages of the production process, checking compliance with standards and specifications; Organize and monitor the work of small production teams or individual projects.		

14	Тағалымданған оту: мен магистратік диссертацияны орындауды магистраттық ғылыми-зерттеу жұмысы Научно-исследовательская работа магистранта, включая прохождение стажировки и выполнение магистерской диссертации The Scientific Research Work of a Master's Student, Including the Completion of an Internship and the Preparation of a Master's Thesis	ҒЖЖ (ЖЖЖ) 101P (10P) RW (1C)	NBM 6404-26 NBM 6404-26 NBM 6404-26	4	9	270	0	2190	315	158	165	0	69	576	Барлаушы сертификат All charts	9 апта / неделі / weeks	Ғылыми-зерттеу жұмысы Исследовательская работа Research work	Басқа Дерек More
Барлаушы модуль бақылауы / Итого по модулю / Total for module																		
Модуль / Module № 2	1	Болашақ металл және нанотехнология Ткани будущего и нанотехнология Future Fabrics and Nanotechnology	101 (ТК) 521 (ЖК) 801 (ЖК)	TIN 5201-26 TIN 5201-26 TIN 5201-26	1	5	150	45	15	30	0	15	90	Жеңіл өнеркәсіп технологиясы және Design Technology of a light industry and Design	1 + 2 + 0	Енгізілім Экзамен Examination	Басқа Дерек More	
	2	Сән индустриясының материалдарындағы инновациялар Инновации в материалах индустрии моды Innovations in the Materials of the Fashion Industry	101 (ТК) 521 (ЖК) 801 (ЖК)	IMI 5201-26 IMI 5201-26 IMI 5201-26														
Барлаушы модуль бақылауы / Итого по модулю / Total for module																		
Модуль / Module № 3	1	АЖЖ жолдану арқылы жеңіл өнеркәсіп бұйымдарын даярдау жобалау Современное проектирование изделий легкой промышленности с применением САПР Modern Design of Light Industry Products Based on a Rational System of Typical Figures	101 (ТК) 521 (ЖК) 801 (ЖК)	SPLIP 5201-26 SPLIP 5201-26 SPLIP 5201-26	2	5	150	45	15	30	0	15	90	Жеңіл өнеркәсіп технологиясы және Design Technology of a light industry and Design	1 + 2 + 0	Енгізілім Экзамен Examination	Басқа Дерек More	
	2	Өлшем сыйымдылығы: тіпті жобалаудың теориялық және эстетикалық нетелері Геометрические и методические основы проектирования созерцательной одежды Dimensional Typology as the Basis for the Industrial Production of Clothing	101 (ТК) 521 (ЖК) 801 (ЖК)	TMOFPO 5201-26 TMOFPO 5201-26 TMOFPO 5201-26														
Барлаушы модуль бақылауы / Итого по модулю / Total for module																		
Модуль / Module № 4	1	Этнокультурдік бұйымдарды өндірістік жобалау және технологиялық проектирiну ұйымдастыру Производство проектирование изделий в этностиле и организация технологических процессов их изготовления Industrial Design of Products in the Ethnic Style and Organization of Technological Processes of Their Manufacture	101 (ТК) 521 (ЖК) 801 (ЖК)	PHEDOTI 5201-26 PHEDOTI 5201-26 PHEDOTI 5201-26	2	5	0	0						Жеңіл өнеркәсіп технологиясы және Design Technology of a light industry and Design	0 + 0 + 0	Енгізілім Экзамен Examination	Басқа Дерек More	
	2	Дәстүр және бұйымдарды даярдау және өндірістік жобалау және ұйымдастыру Проектирование и организация производства традиционных изделий народного ремесла в современных условиях Designing and Organizing the Production of Traditional Handicrafts in Modern Conditions	101 (ТК) 521 (ЖК) 801 (ЖК)	PORTNRSCTI 5201-26 PORTNRSCTI 5201-26 PORTNRSCTI 5201-26														
Барлаушы модуль бақылауы / Итого по модулю / Total for module																		
Модуль / Module № 5																		
1	Қостандық инженерлік концепциялар Концепции инженерии в костюме Engineering Concepts in a Suit	101 (ТК) 521 (ЖК) 801 (ЖК)	KIK 5301-26 KIK 5301-26 KIK 5301-26	1	5	140	45	15	30	0	15	0		Жеңіл өнеркәсіп технологиясы және Design Technology of a light industry and Design	1 + 2 + 0	Енгізілім Экзамен Examination	Басқа Дерек More	

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САРАПТАМАЛЫҚ ҚОРЫТЫНДЫ

7M07242 Жеңіл өнеркәсіп өнімдерінің технологиясы және құрастыруы
білім беру бағдарламасына

7M072 Өндірістік және өндеу салалары даярлау бағыты бойынша

«7M07242 Жеңіл өнеркәсіп өнімдерінің технологиясы және құрастыруы» білім беру бағдарламасы Қазақстан Республикасы жоғары білім берудің мемлекеттік жалпыға міндетті стандартының талаптарына, Ұлттық біліктілік шеңберіне, салалық біліктілік талаптарына және жеңіл өнеркәсіп пен сән индустриясының дамуындағы заманауи үрдістерге сәйкес әзірленген. Бағдарламаның мазмұнын талдау оның жоғары өзектілігін, ғылыми-практикалық маңыздылығын және экономиканың өндірістік әрі креативті секторлары үшін кадрлар даярлаудың стратегиялық міндеттеріне сәйкестігін көрсетеді.

БББ мақсаты тігін бұйымдарын жобалау, модельдеу және дайындау технологиясы саласында кәсіби білім мен тәжірибелік дағдыларды меңгерген ғылыми-педагогикалық бағыттағы жоғары білікті магистрлерді даярлауға бағытталған. Жаңартылған оқу жоспарының ерекшелігі – инженерлік-конструкторлық дайындықтың, педагогикалық қызметтің және заманауи IT-технологиялардың, соның ішінде автоматтандырылған жобалау жүйелерінің (САПР), болашақтың маталарының, нанотехнологиялардың және AR-дағы (толықтырылған шынайылық) виртуалды киімдерді үш өлшемді модельдеуге арналған жасанды интеллект (ЖИ) элементтерінің терең интеграциялануы болып табылады.

Бағдарламаның құрылымы қисынды және жүйелі. БББ құрамына ғылыми-зерттеу құзыреттіліктерін, жоғары мектепте оқыту әдістемесін дамытуға, өлшемдес және арнайы киімдерді жобалауға, сондай-ақ қалдықтарды қайта өндеудің экологиялық технологияларына бағытталған базалық және бейіндік пәндер кіреді. Бағдарламаның этномәдени құрамдас бөлігі дәстүрлі халықтық қолөнер мен этностильдегі бұйымдарды заманауи өндірістік жағдайларға бейімдеуді қамтамасыз етеді.

БББ айқын тәжірибеге бағытталған сипатқа ие. Оқу жоспары жобалық жұмыстарды орындау, өндірістік тәжірибелерден өту және жұмыс берушілермен өзара іс-қимыл жасау арқылы кәсіби құзыреттіліктерді меңгеруді көздейді. Бағдарламаның айтарлықтай артықшылығы оның кәсіби (Hard Skills), сондай-ақ цифрлық (Digital Skills) және әмбебап құзыреттіліктерді (Soft Skills) қалыптастыруға бағытталуында.

БББ жұмыс берушілердің сұраныстарына, білім алушылардың қажеттіліктеріне және еңбек нарығының заманауи талаптарына сәйкес келеді, бұл жеңіл өнеркәсіп кәсіпорындары, сән индустриясы, жобалау ұйымдары және инновациялық өндірістік компаниялар үшін бәсекеге қабілетті мамандар даярлауды қамтамасыз етеді.

Білім беру бағдарламасының құрылымы қисынды түрде дәйекті және мәлімделген оқу нәтижелеріне қол жеткізуді қамтамасыз етеді. Бағдарлама

құрамына жалпы білім беру, базалық және бейіндік пәндер, кәсіби тәжірибелер мен қорытынды аттестаттау кіреді. Оқу пәндері сабақтастық пен оқыту мазмұнының біртіндеп күрделенуі принциптеріне сәйкес бөлінген.

Материалтану, киімді құрастыру, цифрлық модельдеу, бұйымдарды САПР-да жобалау, өнім сапасын басқару және технологиялық процестерді ұйымдастыру саласындағы құзыреттіліктерді дамытуға бағытталған пәндер ерекше маңызға ие. Бағдарламаның елеулі артықшылығы виртуалды ортада киімді адрестік жобалау және «ақылды» материалдардың нанотехнологияларын әзірлеу үшін интеллектуалды технологияларды пайдалану пәндерін қамтитын жасанды интеллект бойынша білім беру трегінің енгізілуі болып табылады. Сонымен қатар, оқу жоспары этностильдегі бұйымдарды өндірістік жобалау бойынша этномәдени компонентті костюм инжинирингінің инновациялық тұжырымдамаларымен, тоқыма қалдықтарын экологиялық қайта өңдеумен және тігін кәсіпорындарын цифрландырумен тиімді ұштастырады, бұл кешенді түрде жаңа буын магистрлерінің терең ғылыми-зерттеу және педагогикалық дайындығын қамтамасыз етеді.

Кәсіби тәжірибелер түлектердің кәсіби қызмет түрлеріне сәйкес келеді және нақты өндірістік жағдайларда теориялық білімдерді бекітуді қамтамасыз етеді.

Жүргізілген сараптама нәтижелері бойынша «7M07242 Жеңіл өнеркәсіп өнімдерінің технологиясы және құрастыруы» білім беру бағдарламасы ғылымның, техниканың, технологиялардың және өндірістің қазіргі даму деңгейіне сәйкес келеді. Бағдарламаның мазмұны жұмыс берушілердің талаптарына, ұлттық еңбек нарығының сұраныстарына және саланың халықаралық даму үрдістеріне жауап береді.

Бағдарлама әрі қарай іске асыруға ұсынылады және қазіргі сән индустриясы мен жеңіл өнеркәсіп үшін бәсекеге қабілетті мамандар даярлауды қамтамасыз ететін сапалы, өзекті және сұранысқа ие білім беру бағдарламасы ретінде танылуы мүмкін.

Халықаралық ынтымақтастықты одан әрі дамыту, білім алушылар мен оқытушылардың академиялық ұтқырлығын кеңейту, студенттердің ғылыми-зерттеу қызметін күшейту.

Техника ғылымдарының кандидаты, қауым.проф.,
«Дизайн» кафедрасы,
Алматы гуманитарлы-экономикалық университетінің
«Сымбат» дизайн және технология Институты



**International Academic Advisor Confirmation/ Шетелдік кеңесшінің қатысуы/
Участие зарубежного консультанта**

Educational Program/ Білім беру бағдарламасы/ Образовательная программа	7M07242 Technology and design of light industry products
Level/ Дәрежесі/ Уровень	Master's degree
International Academic Advisor/ Шетелдік академиялық кеңесші/ Зарубежный консультант	Menekse Suzan Teker
Academic degree/ Ғылыми дәреже/ Ученая степень	Dr.
Position/ Лауазымы/ Должность	Associate Professor
University/ Университет/ Университет	Akdeniz University Faculty of Fine Arts Department of Textile and Fashion Design
Country/ Ел/ Страна	Turkey

Approved/ Келісілді/ Согласовано

The educational program has been reviewed and approved. The updated content of the educational program, the sequence of courses, and the revised learning outcomes (LO) have been developed in accordance with modern academic approaches.

Білім беру бағдарламасы қарастырылып, келісілді. Білім беру бағдарламасының жаңартылған мазмұны, пәндерді оқу реттілігі және жаңартылған оқу нәтижелері (ОН) заманауи академиялық тәсілдерге сәйкес әзірленді.

Образовательная программа рассмотрена и согласована. Актуализированное содержание образовательной программы, последовательность изучения дисциплин и обновленные результаты обучения (РО) сформированы с учетом современных академических подходов.

International Academic Advisor/ Шетелдік академиялық кеңесші/ Зарубежный консультант	Menekse Suzan Teker
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Seal/ MO/ МП



23.06.2026

(Date/
Күні/
Дата)