

MINISTRY OF EDUCATION AND SCIENCE OF UKRAINE
KYIV NATIONAL UNIVERSITY OF TECHNOLOGIES AND DESIGN

EDUCATIONAL-PROFESSIONAL PROGRAM

Vocational education (Technology of consumer goods manufacturing)

Level of higher education the first (bachelor's)

Degree of higher education bachelor

Field of knowledge 01 Education / Pedagogy

Speciality 015 Vocational education (by specializations)

Specialization 015.36 Vocational education (Technology of light industry products)

Qualification bachelor in vocational education (Technology of light industry products)

Kyiv 2021

LETTER OF APPROVAL
of Educational-professional program

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Vice-rector for scientific-pedagogical activity (educational activity)

20.04.2021 _____ Oksana MORGULETS

Approved by the Academic board of the Fashion Industry Faculty

Minutes No 12 of 19.04.2021

Dean of the Fashion Industry Faculty _____ Ludmyla ZUBKOVA

Discussed and recommended on the meeting of the department of vocational education in technologies and design

Minutes No 11 of 10.03.2021

Head of the department of vocational education in technologies and design

_____ Tetiana DERKACH

Guarantor of the educational program _____ Olga VNUKOVA

Entered into force by KNUTD order No 148 of 31.05.2021

PREFACE

DEVELOPED: Kyiv National University of Technologies and Design

DEVELOPERS:

Guarantor of the educational program **Vnukova Olha Mykolaivna**, candidate of pedagogical sciences, associate professor, associate professor of the department of vocational education in technologies and design of Kyiv national university of technologies and design;

Workgroup members:

Derkach Tetiana Mychailivna, doctor of pedagogical sciences, professor, head of the department of vocational education in technologies and design of Kyiv national university of technologies and design.

Vodzinska Oksana Ivanivna, candidate of technical sciences, associate professor, associate professor of the department of technologies and construction of garments of Kyiv national university of technologies and design.

Olefirenko Ludmyla Serhiivna, student of the fashion industry faculty of Kyiv national university of technologies and design.

EXTERNAL STAKEHOLDER RECENSIONS:

1. Vorobey K.V., methodologist of Kyiv higher vocational school of sewing and hairdressing art;
2. Pomazan A.O., master of industrial training of Kyiv higher vocational school of technologies and clothing design;
3. Ivanova L.V., director of LLC “Dana-fashion”.

1. Profile of the educational -professional program

Vocational education (Technology of light industry products)

1 – General information	
Full name of the higher education institution and structural unit	Kyiv national university of technologies and design Department of vocational education in technologies and design
Higher education degree and qualification in the original language	Level of higher education – the first (bachelor's) Degree of higher education – bachelor Field of knowledge – 01 Education / Pedagogy Speciality – 015 Vocational education (by specializations) Specialization – 015.36 Vocational education (Technology of consumer goods manufacturing)
Type of diploma and volume of the educational program	Bachelor's degree, unitary, 240 ECTS credits / 180 ECTS credits for a shortened period of study.
Availability of accreditation	Certificate of accreditation of the educational program UD № 11002992 of 11.07.2018
Cycle/level	The National Qualifications Framework of Ukraine - the sixth level
Prerequisites	Complete general secondary education, professional prehigher education or junior bachelor's degree (junior specialist). According to the Standard of Higher Education in the speciality is based on the degree of junior bachelor (EQL of the junior specialist). The University recognizes and recalculates ECTS credits received within the previous educational program of junior bachelor (junior specialist).
Language(s) of instruction	Ukrainian
Term of the educational program	Till 01.07.2023
Internet address of the permanent placement of the description of the educational program	http://knutd.edu.ua/ekts/
2 –The goal of the educational program	
<p>To train specialists in the field of vocational education and technology of light industry products with broad access to employment in the institutions of vocational (technical-vocational), out-of-school, professional prehigher education and light industry enterprises that are able to carry out educational activities for professional training of skilled workers for enterprises, institutions and organizations of light industry.</p> <p>The main goals of the program are development of the personality of the applicant of higher education, development of pedagogical and communicative abilities, formation of abilities to carry out effectively the educational activity in establishments of vocational education of a sewing profile.</p>	
3 – Characteristics of the educational program	
Subject area	<p>The program is focused on applicants' competencies forming for the acquisition of profound knowledge, skills and abilities in the speciality. The objects of study and activity are the structure and functional components of the vocational education system; theoretical foundations, technologies and equipment for special work related to the use of methods of relevant sciences in institutions and organizations in the field of light industry. The theoretical content of the subject area: basic concepts, concepts, principles and technologies of educational sciences, basic and applied sciences of light industry; theories and methods, specialized problems and solutions to practical problems in vocational education and production activities in the fashion industry.</p> <p>Compulsory training modules - 75%, of which: disciplines of general training - 23.5%, vocational training - 50.5% (components of light industry</p>

	technologies - 60%, psychological and pedagogical - 40%), practical training - 13% , learning a foreign language - 13%. Disciplines of free choice of students - 25% are selected from the university catalogue following with the approved procedure at the university.
Orientation of the program	Educational- professional for bachelor's training.
The main focus of the program	Emphasis is placed on the formation and development of professional competencies in the fields of vocational education and light industry; study of structural and functional components of the system of vocational education, theoretical and methodological provisions, organizational and practical tools of the vocational education teacher, as well as theoretical foundations, equipment and practical skills in the technology of light industry products.
Peculiarities of the program	The program is based on modern research in the field of vocational education, orients higher education seekers to active research and participation in projects, provides internships in the natural environment of future work in the profession (in educational institutions).
4 – Suitability of graduates for employment and further study	
Suitability for employment	The graduate is suitable for employment in enterprises, organizations and institutions operating in the fields of vocational education and light industry. The graduate can work in the following positions: master of industrial training, teacher of vocational training in institutions of specialized secondary, professional (technical-vocational), out-of-school, professional prehigher education of sewing profile, head of creative groups in out-of-school education institutions; administrative positions of the lower level of industrial garment enterprises (master, designer, technologist, head of the department, craft, department at enterprises, institutions and organizations of the garment industry, in fashion houses and other objects of the service sector); constructor and technologist at the enterprises of service individual production of clothes.
Further training	Opportunity to continue education according to the educational-scientific / educational-professional program of the second (master's) level of higher education. Acquisition of additional qualifications in the system of postgraduate education.
5 –Teaching and evaluation	
Teaching and learning	The student-centred approach and problem-oriented learning, learning through practice and self-study are used. Personal and activity approaches, which provide the development of students and their self-realization, are also used. Competency approach that allows the development of competencies necessary for future professionals for their successful professional activity, individual-differential approach, which provides identification and development of professionally significant qualities are used. Methods, techniques and technologies are used: methods of organization, implementation, stimulation, motivation and control over the effectiveness and correction of educational and cognitive activities; binary, integrated (universal) teaching methods; professionally-oriented methods of professional training; educational, upbringing, developmental educational technologies. The system of teaching methods is based on the principles of purposefulness, activity of students. Forms of organization of the educational process: lecture, seminar, practical, laboratory classes, practical training, self-study, consultation, development of professional projects and term papers.
Evaluation	Examinations, graded tests, tests, essays, project work, presentations, reports, portfolio, practice reports, defense of term papers (projects).

6 –Program competencies		
Integral competence (IC)		Ability to solve complex specialized problems and practical problems in vocational education, which involves the application of certain theories and methods of pedagogical science and sciences of light industry products and is characterized by complexity and uncertainty of conditions.
General competencies (GC)	GC 1	The ability to realize their rights and responsibilities as a member of society, to realize the values of civil (free democratic) society and the need for its sustainable development, the rule of law, human and civil rights and freedoms in Ukraine.
	GC 2	Ability to preserve and multiply moral, cultural, scientific values and achievements of society based on understanding the history and patterns of development of the subject area, its place in the general system of knowledge about nature and society and in the development of society, techniques and technologies, active recreation and a healthy lifestyle.
	GC 3	Ability to communicate in the state language both orally and in writing
	GC 4	Ability to communicate in a foreign language.
	GC 5	Ability to make grounded decisions.
	GC 6	Skills in the use of information and communication technologies.
	GC 7	Ability to learn and master modern knowledge.
	GC 8	Ability to work in a team.
	GC 9	Appreciation and respect for diversity and multiculturalism.
	GC 10	Ability to show initiative and entrepreneurship.
	GC 11	Awareness of equal opportunities and gender issues.
Professional competencies (PC)	PC 1	Ability to apply educational theories and methodologies in teaching.
	PC 2	Ability to ensure the formation of values of citizenship and democracy in students.
	PC 3	Ability to manage educational / development projects.
	PC 4	Ability to direct students to progress and achievement.
	PC 5	Ability to use modern information technologies and specialized software and integrate them into the educational environment.
	PC 6	Ability to implement learning strategies based on specific criteria for assessing academic achievement.
	PC 7	Ability to analyze the effectiveness of design solutions related to the selection, operation, improvement, modernization of technological equipment and machinery of the industry / field in accordance with the specialization.
	PC 8	Ability to use software to solve professional problems according to specialization.
	PC 9	Ability to carry out professional activities in compliance with the requirements of legislation, educational standards and internal regulations of the educational institution.
	PC 10	Ability to implement effective methods of labor organization in accordance with the requirements of environmental safety, life safety and occupational safety and hygiene.
	PC 11	Ability to use in professional activities the basic principles, methods, principles of fundamental and applied sciences.
	PC 12	Ability to perform calculations of technological processes in the industry.
	PC 13	Ability to manage complex actions and projects, be responsible for decision-making in unpredictable conditions and professional development of students and subordinates.

	PC14	Ability to collect, analyze and interpret information according to the specialization.
	PC15	Ability to ensure the quality of education and management of the educational institution, according to specialization.
	PC16	Ability to develop and analyze technological processes of manufacturing garments, to assess the level of product quality at the stages of the life cycle of a garment.
	PC17	Ability to build basic constructions, perform modelling of different types and develop technology for the manufacture of garments for various purposes from different materials; to qualitatively make all range of garments of various complexity; to develop and draw up in compliance with the existing regulatory requirements design and technological documentation for the manufacture of garments in industrial production.

7 – Program learning outcomes

Knowledge and understanding:

PLO 1	To have information on current regulations, legislation, industry standards of professional activity in institutions, industries, organizations of the industry/field (according to specialization).
PLO 2	To know the basics of psychology, pedagogy, and fundamental and applied sciences (according to specialization) at the level necessary to achieve other learning outcomes provided by the educational program.
PLO 3	To know the basics and understand the principles of operation of technological equipment and machinery of the industry (according to specialization).
PLO 4	To know and understand the peculiarities of the construction of drawings of parts of the basic structures of clothing of different assortment, the peculiarities of the technology of manufacturing garments for different purposes.

Application of knowledge and understanding (skills):

PLO 5	To master the fundamentals of personnel and resources management, the skills of planning, monitoring, reporting on production in institutions, organizations of industry/field.
PLO 6	To be able to use the tools of a democratic state governed by the rule of law in professional and public activities, to make decisions based on relevant data and established values.
PLO 7	To plan independently and organize their own professional activities and the activities of students and subordinates.
PLO 8	To search, process, analyze and evaluate information related to professional activities, use specialized software and modern means of storing and processing information.
PLO 9	To possess psychological and pedagogical tools for organizing the educational process.
PLO 10	To be able to design and realize educational / development projects.
PLO 11	To apply in professional activities modern didactic and methodological principles of teaching disciplines and choose appropriate technologies and methods in the educational process.
PLO 12	To have the skills to stimulate cognitive interest, motivation to learn, professional self-determination and self-development of students.
PLO 13	To diagnose, predict, ensure the effectiveness and correction of the educational process to achieve program learning outcomes and assist students in the implementation of individual educational trajectories.
PLO 14	To perform calculations related to the field of professional activity.
PLO 15	Solve typical specialized tasks related to the choice of materials, performing the necessary calculations, construction, design of technical objects in the subject area (according to specialization).
PLO 16	Be able to select and apply the necessary equipment, tools and methods to solve typical complex problems in the industry (according to specialization).

PLO 17	To interact empathetically, be responsible for decision-making within one's competence, adhere to the standards of professional ethics.
PLO 18	To use software for e-learning and distance learning and provide its educational and methodological support.
PLO 19	To understand the socio-economic processes taking place in Ukraine and the world, have the skills of efficient management.
PLO 20	To analyze the technological processes of various purposes garments manufacturing with the design of technological sequences; develop esquisses of models and their technical drawings, using modern graphic computer programs.
PLO 21	To have skills of construction of drawings of basic constructions details and modelling of clothes of various assortment, to improve designs of garments on new technologies.
Formation of judgments:	
PLO 22	Analyze socially and personally significant problems, realize the value of protecting the independence, territorial integrity and democratic system of Ukraine.
PLO 23	Understand the features of communication, interaction and cooperation in international cultural and professional contexts.
PLO 24	Have a culture of speech, choose the optimal communication strategy in communication with groups and individuals.
PLO 25	Delate clearly and unambiguously professional knowledge, justifications and conclusions to specialists and the general public in state and foreign languages.
PLO 26	Analyze and assess risks, problems in professional activity and choose effective ways to solve them.
PLO 27	Apply international and national standards and practices in professional activity.
PLO 28	Ensure equal opportunities and adhere to the principles of gender parity in professional activity.
PLO 29	To choose the appropriate forms and methods of presentation of results of innovative activity and methodical developments.
8 – Resource support for the program implementation	
Staff	All scientific and pedagogical workers who provide educational- professional program, by qualification correspond to the profile and direction of the disciplines taught, have the necessary experience of pedagogical work and experience of practical work. In the process of training organization, professionals with experience in research, management, innovation, creative work and work in the speciality are involved.
The material and technical provision	Material and technical provision allows to fully ensure the educational process throughout the training cycle of the educational program. The condition of the classrooms is certified by sanitary-technical passports that comply with current regulations. Tools and equipment: specialized software; modern technological sewing equipment.
Information and educational-methodical provision	The program is fully provided with educational and methodological complexes of all educational components, the availability of which is presented in the modular environment of the educational process of the university.
9 –Academic mobility	
National credit mobility	Provides for the possibility of academic mobility in some educational modules that provide the acquisition of general competencies.
International credit mobility	The program develops prospects for participation and internships in research projects and academic mobility programs abroad.
Training of foreign applicants for higher education	Training of foreign applicants for higher education is carried out according to accredited educational programs.

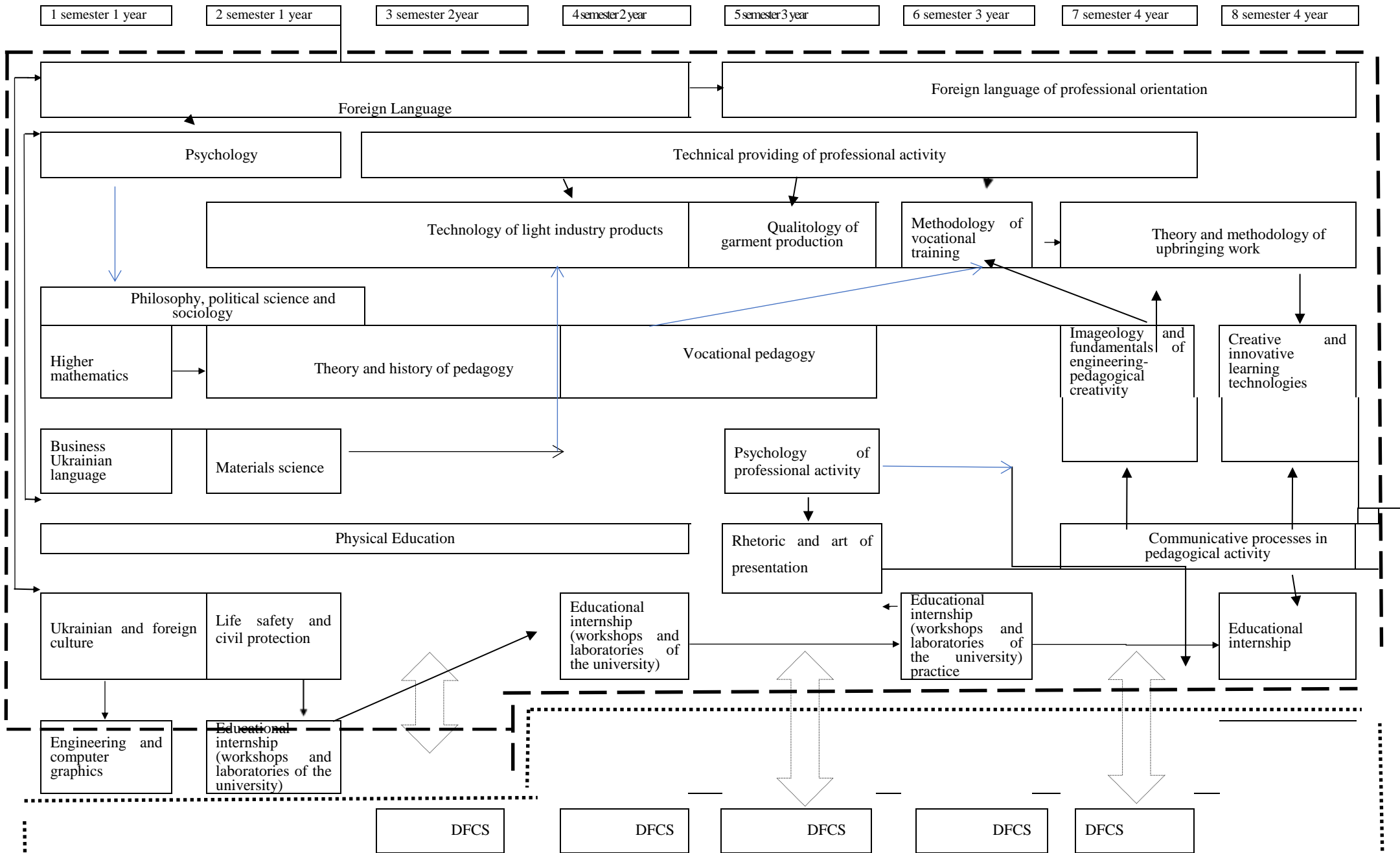
2. The list of components of the educational-professional program and their logical sequence

2.1 The list of components of educational program Vocational education (Technology of consumer goods manufacturing)

Code a/d	Components of the educational program (academic disciplines, term papers, practices, qualification work)	Number of credits	Form of final control
1	2	3	4
Obligatory components of EP			
The cycle of general training			
EC 1	Ukrainian and Foreign culture	3	graded test
EC 2	Business Ukrainian language	3	graded test
EC 3	Philosophy, political science and sociology	6	examination
EC 4	Foreign Language (English , German , French)	12	examination
EC 5	Physical Education	3/9*	graded test
EC 6	Higher mathematics	6	examination
EC 7	The foreign language of professional orientation	12	examination
EC 8	Life safety and civil protection	3	examination
EC 9	Engineering and computer graphics	6	examination
Total of the cycle		54	
The cycle of professional training			
EC 10	Theory and history of pedagogy	12	examination
EC 11	Psychology	6	examination
EC 12	Vocational pedagogy	6	examination
EC 13	Methodology of vocational training	6	examination
EC 14	The technology of light industry products	12	examination
EC 15	Technical providing of professional activity	15	examination
EC 16	Materials science	3	graded test
EC 17	Qualitology of garment production	3	graded test
EC 18	Computer design of products	6	graded test
EC 19	Theory and methods of upbringing work	9	examination
EC 20	Communicative processes in pedagogical activity	9	examination
EC 21	Creative and innovative learning technologies	6	examination
EC 22	Rhetoric and the art of presentation	3	examination
EC 23	Psychology of professional activity	3	examination
EC 24	Imageology and fundamentals of engineering-pedagogical creativity	3	examination
EC 25	Educational internship (workshops and laboratories of the University)	18	graded test
EC 26	Educational internship	6	graded test
Total of the cycle		126	
The total volume of obligatory components		180	
SFCS	Disciplines of free choice of the student	60	graded test
The total volume of selective components		60	
THE TOTAL VOLUME OF EDUCATIONAL PROGRAM		240	

* Discipline is non-credit in 2-nd, 3-rd, 4-th semesters.

2.2 Structural-logical scheme of bachelors' training of educational- professional program **Vocational education (Technology of light industry products)** on specialization 015.36 Vocational education (Technology of light industry products)



5. Matrix of providing of program learning outcomes with relevant components of the educational program

	PLO 1	PLO 2	PLO 3	PLO 4	PLO 5	PLO 6	PLO 7	PLO 8	PLO 9	PLO 10	PLO 11	PLO 12	PLO 13	PLO 14	PLO 15	PLO 16	PLO 17	PLO 18	PLO 19	PLO 20	PLO 21	PLO 22	PLO 23	PLO 24	PLO 25	PLO 26	PLO 27	PLO 28	PLO 29	
EC 1						+													+			+	+	+				+	+	
EC 2																							+		+	+			+	+
EC 3						+												+		+			+	+					+	
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EC 9														+																
EC 10																									+	+		+	+	+
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EC 12		+					+		+	+		+	+				+											+		+
EC 13	+	+					+	+	+	+	+	+	+														+			+
EC 14	+	+	+	+				+						+		+					+							+		
EC 15	+	+		+				+						+	+	+						+						+		
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EC 25	+		+	+										+	+	+					+	+	+					+		
EC 26		+					+		+	+	+	+	+									+	+	+			+		+	+