

Approved by
Dean of the Faculty of "Land and Management,
Architecture and Design"

«20» 09 сәуірі 2022
Төлеубекова З.З.



CATALOG OF ELECTIVE DISCIPLINES

For students in the direction of preparation 6B021 Art
Brief description of the elective disciplines of the educational program

State educational program	educational program	Form of study	The name of discipline	Code of subject	Discipline cycle	Component	Number of credits	Level of training	Cafedra	Course	Academic period	Pre-requisites	Post-requisitions	Brief content of the discipline	Key learning outcomes	Name of the alternative discipline
B031-Fashion, interior design and industrial design	6B021 01-Design	Full-time (bachelor or 5 years) trimester	Tracery-II	RI 1237	BS	Elective subjects	3.0	Bachelor	Architecture and Design	1	2	Fundamentals of drawing and drafting	Design engineering	Distinguish between the technique of pencil graphics, grisaille, drawing with a spot and a line with ink. Create volume, light and shadow in the drawing, reflexes in different techniques of graphic presentation, sketches of objects from nature, draw by imagination.	Mastery of the rules and skills of constructing any form. Mastery of the techniques of sketching and demonstration of images of objects, objects and the environment, the ability to use traditional and combined image techniques in accordance with the creative idea	Color science
B031-Fashion, interior design and industrial design	6B021 01-Design	Full-time (bachelor or 5 years) trimester	Architectural graphics	AG 2221	BS	Elective subjects	5.0	Bachelor	Architecture and Design	2	1	Drawing, drafting	Design engineering	Application of general laws and methods of creating images and images in various forms. The use of practical skills of various types of architectural graphics. Architectural drawing as a means of expressing a design idea.	Possession of architectural drawing techniques, Possession of architectural sketch techniques, Possession of architectural drawing techniques	Architectural modeling
B031-Fashion, interior design and industrial design	6B021 01-Design	Full-time (bachelor or 5 years) trimester	English for special purposes	AYaDS C 2222	BS	Elective subjects	3.0	Bachelor	Architecture and Design	2	1	Foreign language	professional activity	The discipline is aimed at studying general scientific terminology and terminology for the language of the corresponding specialty in English, forms skills in four types of communicative activity: reading with a full understanding of authentic texts in the specialty, the ability to write an essay on a specialty problem, the ability to listen to authentic messages containing professional information, the ability to discuss specialty issues	Possess knowledge of socio-humanitarian and economic disciplines, willingness to demonstrate a well-formed ideological, civic and moral position of a highly educated person with a broad outlook and a culture of thinking. Has the skills of practical proficiency in the language of the specialty for the active use of Russian, state and foreign languages in professional communication. Knows professional terminology in English	Professionally-oriented foreign language
B031-Fashion, interior design and industrial design	6B021 01-Design	Full-time (bachelor or 5 years) trimester	Professional Foreign Language	POIYa 2223	BS	Elective subjects	3.0	Bachelor	Architecture and Design	2	2	Foreign language	professional activity	To form the professional foreign language speech of future specialists to increase the level of professional competence, proficiency in a professional foreign language for the implementation of written and oral information exchange, further development of speech activity (reading, writing, listening and speaking - monologue and dialogic speech). Rules of speech behavior in accordance with situations of professional communication, depending on the style and nature of communication in the social, household and academic spheres.	Use oral and written communication in the state, Russian and foreign languages to solve professional problems of interpersonal and intercultural interaction.	Additional foreign language

B031- Fashion, interior design and industrial design	6B021 01- Design	Full-time (bachelor or 5 years) trimester	Economy in design and construction	EPS 2224	BS	Elective subjects	5.0	Bachelor	Architecture and Design	2	3	Political science and sociology, foundations of mathematics	Design engineering, professional activity	Features of economics and management in construction, basic concepts, categories and laws of economic development, specific methods of studying economic processes. The concept and types of a construction organization. Internal and external environment of the organization. Organizational management structures and their characteristics.	Knowledge of the economic fundamentals of volumetric and urban planning design, the ability to make a business plan, the ability to make estimates. Management in design	Economics in Design
B031- Fashion, interior design and industrial design	6B021 01- Design	Full-time (bachelor or 5 years) trimester	Three-dimensional modeling of designed objects	TMPO 3225	BS	Elective subjects	5.0	Bachelor	Architecture and Design	3	1	Informatics, computer graphics	Design engineering	Mastering vector and raster graphics. Introduction to the interface of the AutoCAD program. Basics of working with the AutoCAD graphic editor. Completing the task of constructing the "Conjugation" pattern curves. Mastering a computer program for 3D construction. Textures and textures of finishing materials. Render.	Construction of orthogonal, perspective and axonometric drawings in the AutoCAD system. Mastering Archicad programs. 3D MAX	Professional computer programs
B031- Fashion, interior design and industrial design	6B021 01- Design	Full-time (bachelor or 5 years) trimester	Design of the outdoor space of a house	POSZh D 3303	AS	Elective subjects	5.0	Bachelor	Architecture and Design	3	1	Drawing, graphics, composition, color science, design basics	Design engineering, professional activity	Organization of the residential building plot. Accomplishment. Design of small architectural forms and objects for the environment of populated areas. Planning, functional and compositional organization of recreation areas, entertainment areas, attractions and physical education, children's play areas and spaces.	Architectural and planning organization of the residential building site in accordance with modern requirements, Understanding of functional processes occurring in an open architectural environment and skills of its organization	Interior of an open environment of a residential building
B031- Fashion, interior design and industrial design	6B021 01- Design	Full-time (bachelor or 5 years) trimester	Engineering systems of buildings and structures	ISZS 3227	BS	Elective subjects	5.0	Bachelor	Architecture and Design	3	2	Construction of design objects, physics	Design engineering	Study of general information on water supply, sewerage, hydraulics of cities and towns. Study of general information on the water supply of buildings. Internal sewerage of buildings and structures. Sewerage and sanitary cleaning of cities. Features of sanitary maintenance of certain types of structures.	Knowledge of the principles of engineering training and landscaping. Knowledge and ability to apply the basic elements of the engineering infrastructure of buildings and structures, the ability to design architectural lighting, knowledge of its functions, types and qualitative characteristics	engineering infrastructure
B031- Fashion, interior design and industrial design	6B021 01- Design	Full-time (bachelor or 5 years) trimester	Advertisement and visual communication in the architectural environment	RVKA S 3226	BS	Elective subjects	5.0	Bachelor	Architecture and Design	3	2	Drawing, painting, composition, graphics	Design engineering, professional activity	Regularities of interaction of visual communication systems on spatial orientation of a person in the urban environment. Development of visual communications for the architectural environment; design of advertising and visual communications.	To know and understand the meaning of advertising and its impact on the consumer, the ability to develop visual communications for the architectural environment	Visual communications
B031- Fashion, interior design and industrial design	6B021 01- Design	Full-time (bachelor or 5 years) trimester	Design of the small-scale architectural forms	PMAF 3304	AS	Elective subjects	5.0	Bachelor	Architecture and Design	3	2	Drawing, graphics, composition, color science, design basics	Design engineering, professional activity	Mastering the principles of composition of small architectural forms including subject-spatial elements, inextricably linked with modern standards of landscaping and the creation of a highly comfortable, human social environment.	Creating a comfortable living environment based on theoretical and practical skills of designing an open architectural environment, small forms and spaces, Skills of shaping small architectural forms and spaces	Small architectural forms
B031- Fashion, interior design and industrial design	6B021 01- Design	Full-time (bachelor or 5 years) trimester	Design of the children's games space	PDIP 3305	AS	Elective subjects	5.0	Bachelor	Architecture and Design	3	2	Drawing, graphics, composition	Design engineering, professional activity	Functional organization of children's play area. Design of small architectural forms and objects for children's play environment. Planning, functional and compositional organization of children's area, entertainment areas, attractions and physical education.	The ability to draw up diagrams of functional processes and organization of internal space on the basis of connections. Skills of architectural and planning organization of open and internal spaces. Skills in the selection of equipment, furniture and small architectural forms for the implementation of processes.	Designing playgrounds

B031-Fashion, interior design and industrial design	6B021-01-Design	Full-time (bachelor or 5 years) trimester	Typology of the architectural environment	TAS 3228	BS	Elective subjects	4.0	Bachelor	Architecture and Design	3	Architectural graphics, History of material culture and design	Design engineering, professional activity	Mastering the social foundations and modern tasks of environmental objects. Criteria for classification of environmental objects and systems. Principles of organization of volume-spatial structures. Classification of open spaces objects and systems of the urban environment. Traditional and promising, searchable types and forms of the environment.	To know and understand the typological foundations of the formation of an architectural environment for various purposes. The ability to use the acquired knowledge of typology in architectural design. Knowledge of the methodology and classification of objects of the architectural environment	Organization of the architectural environment
B031-Fashion, interior design and industrial design	6B021-01-Design	Full-time (bachelor or 5 years) trimester	Low-storey house design	PMZhD 3306	AS	Elective subjects	6.0	Bachelor	Architecture and Design	3	Drawing, graphics, composition, color science, design basics	Design engineering, professional activity	The definition of consumer. Identification of functional processes, formation of schemes and blocks of premises. Determination of connections and architectural and planning organization of the space of a residential building. Connection of internal and external space. Development of drawings. Construction of interior space.	Understanding the influence of life processes on the formation of the volume of a residential building. Understanding the relationship of processes, the spatial organization of a residential building and a set of equipment for ongoing processes	Low-rise residential buildings
B031-Fashion, interior design and industrial design	6B021-01-Design	Full-time (bachelor or 5 years) trimester	Interior design of a house	PIZhD 3307	AS	Elective subjects	6.0	Bachelor	Architecture and Design	3	Drawing, graphics, composition, color science, design basics	Design engineering, professional activity	Determination of social and age composition of the family. Determination of connections and architectural and planning organization of the space of a residential building. Definition of style of living space. The integrity and unity of the composition of the environment of the house. Development of drawings. Building perspective.	Understanding the influence of life processes on the formation of the volume of a residential building. Understanding the relationship of processes, the spatial organization of a residential building and a set of equipment for ongoing processes	The interior of a residential building
B031-Fashion, interior design and industrial design	6B021-01-Design	Full-time (bachelor or 5 years) trimester	Landscape design	LP 4230	BS	Elective subjects	5.0	Bachelor	Architecture and Design	4	Drawing, painting, composition, architectural graphics,	professional activity	Formation of urban architecture in regional conditions, its planning organization, protection of natural resources in the design. The study of the urban landscape as an object of the urban environment, the elimination of negative factors, such as pollution of the urban environment.	Possession of theoretical knowledge and practical skills of landscape design, Techniques and methods of creating modern artificial landscapes, Possession of experience in landscape shaping	Landscape design
B031-Fashion, interior design and industrial design	6B021-01-Design	Full-time (bachelor or 5 years) trimester	Engineering improvement of territories	IBT 4231	BS	Elective subjects	5.0	Bachelor	Architecture and Design	4	Construction of design objects, physics	Design engineering	Influence of local conditions on the choice of the territory of populated areas. Accounting for the main natural factors: climate, topography, geology, hydrogeology, geomorphology. Characteristics of soils and vegetation. Assessment of the suitability of the territory for their use in urban planning. Forecast and change in existing conditions as a result of human economic activity in the developed territory. Features of engineering preparation of the territory during the reconstruction of cities. Design documentation for engineering preparation of populated areas.	Knowledge of the principles of engineering training and landscaping. Knowledge and ability to apply the basic elements of the engineering infrastructure of buildings and structures, the ability to design architectural lighting, knowledge of its functions, types and qualitative characteristics	Lighting and acoustics
B031-Fashion, interior design and industrial design	6B021-01-Design	Full-time (bachelor or 5 years) trimester	Holiday design of an open architectural space	PPOA S 4308	AS	Elective subjects	5.0	Bachelor	Architecture and Design	4	Drawing, graphics, composition, color science, design basics	Design engineering, professional activity	Determination of the theme of the festive environment, the portrait of the consumer, the development of the concept. Search options. Development of drawings of festive decoration of open and closed urban environment.	Understanding the processes of transformation of the environment, if necessary, for the holiday period. Understanding the influence of life processes on the formation of the object and their organization within the projected object.	Design of an open architectural environment
B031-Fashion, interior design and industrial design	6B021-01-Design	Full-time (bachelor or 5 years) trimester	Lighting engineering and acoustics	SA 4229	BS	Elective subjects	5.0	Bachelor	Architecture and Design	4	Construction of design objects, physics	Design engineering	Lighting systems and equipment. Materials for the main systems. Thermotechnical calculation. Acoustic calculation	The ability to design architectural lighting, knowledge of its functions, types and quality characteristics. The ability to organize technological processes and create comfortable conditions in the environment of staying people	Architectural physics
B031-Fashion, interior design and industrial design	6B021-01-Design	Full-time (bachelor or 5 years) trimester	Town planning bases	OG 4232	BS	Elective subjects	5.0	Bachelor	Architecture and Design	4	Drawing, design basics, typology of the architectural environment	Design engineering, professional activity	The main directions in the development of cities and settlements of the Republic of Kazakhstan at the present stage. To apply the regional peculiarities of Kazakhstan and their influence on the formation of urban planning structure on the architecture of urban objects and complexes.	Knowledge of the features of urban planning design of populated areas of Kazakhstan. Understanding of functional features and the ability to apply them in practice of urban planning design	Architectural environment of urban areas

B031- Fashion, interior design and industry I design	6B021 01- Design	Full-time (bachelor or 5 years) trimester	Interior design of a catering space	PIOP 4309	AS	Elective subjects	5.0	Bachelor	Architect and Design	4	2	composition, color science, design basics, computer graphics	Design engineering, professional activity	The definition of the portrait of the consumer, development of schemes of services, the formation of schemes of functional zoning and internal connections. Definition of blocks of premises and development of architectural and planning solutions or its adjustment using a previously developed plan of the building. Sketches. Development of drawings of the interior of public and fast food enterprises.	Understanding the influence of life processes on the formation of an object and their organization for the interiors of catering establishments, the ability to create a comfortable living environment for catering establishments, based on theoretical knowledge and practical skills	Interior of a fast food company
B031- Fashion, interior design and industry I design	6B021 01- Design	Full-time (bachelor or 5 years) trimester	Interior design of a public building	PIOZ 4310	AS	Elective subjects	5.0	Bachelor	Architect and Design	4	2	color science, design basics, professional computer programs	Design engineering, professional activity	The definition of the portrait of the consumer, development of schemes of services, the formation of schemes of functional zoning and internal connections. Definition of blocks of premises and development of architectural and planning solutions or its adjustment using a previously developed plan of the building. Sketches. Development of drawings of the interior of a public building.	Understanding of all life processes taking place in public buildings and structures and their impact on the architectural and planning organization, Skills in selecting equipment and furniture to meet all processes taking place in the internal space of public buildings	Interior of a public building
B031- Fashion, interior design and industry I design	6B021 01- Design	Full-time (bachelor or 5 years) trimester	Detail planning project	PDP 4312	AS	Elective subjects	5.0	Bachelor	Architect and Design	4	3	typology of the architectural environment, professional computer programs	Design engineering, professional activity	Analysis and study of the main directions in the development of the territory planning of architectural objects at the present stage. Regional peculiarities of the Republic of Kazakhstan and their influence on the formation of the architectural and planning structure, as well as on the architecture of both individual objects and entire complexes.	The ability to draw up diagrams of functional processes and organization of internal space on the basis of connections. Skills of architectural and planning organization of open and internal spaces. The ability to create a favorable atmosphere of the environment based on coloristics, modern building materials, landscaping and the use of necessary equipment.	Detailed layout
B031- Fashion, interior design and industry I design	6B021 01- Design	Full-time (bachelor or 5 years) trimester	Interior design of the buildings for the children	IDU 4311	AS	Elective subjects	5.0	Bachelor	Architect and Design	4	3	composition, color science, design basics, computer graphics	Design engineering, professional activity	Schemes of functional zoning and internal relations of children's institutions. Definition of blocks of premises and development of architectural and planning solutions or its adjustment using a previously developed plan of the building. The specificity of children's perception of color in the interior. Sketches. Development of drawings of the interior of the children's institution.	Skills in selecting equipment and furniture to meet all processes taking place in the interior of public buildings, Skills in creating a comfortable interior environment of public buildings based on theoretical knowledge and practical skills	Design of children's institutions
B031- Fashion, interior design and industry I design	6B021 01- Design	Full-time (bachelor or 5 years) trimester	Regional features of architectural design	ROAP 5233	BS	Elective subjects	5.0	Bachelor	Architect and Design	5	1	Fundamentals of design, Typology of the architectural environment	Design engineering, professional activity	The study of the regional conditions of various districts of the Republic of Kazakhstan, their features, the application of field research data in modern urban planning. Study of the influence of landscape, climate, vegetation, relief on the location and architectural appearance of public and residential facilities, industrial facilities.	Knowledge of functional and planning features of modern urban planning in regional conditions, Knowledge and understanding of regional design features	Architectural design in regional conditions
B031- Fashion, interior design and industry I design	6B021 01- Design	Full-time (bachelor or 5 years) trimester	Methodology of academic research	MNI 5234	BS	Elective subjects	5.0	Bachelor	Architect and Design	5	1	Fundamentals of design, design engineering	Design engineering, professional activity	The study of various techniques and methods of scientific research: analysis, synthesis and design in General. Determination of the purpose, objectives and factors affecting the design. Ability to apply research results in design. Work with sources. Analysis of analogues. Preparation of the concept.	Knowledge of scientific research methods, the ability to systematize and survey the results of research,	Scientific research in design
B031- Fashion, interior design and industry I design	6B021 01- Design	Full-time (bachelor or 5 years) trimester	Interior design of an office	IO 5311	AS	Elective subjects	5.0	Bachelor	Architect and Design	5	1	color science, design basics, professional computer programs	Design engineering, professional activity	Development of service schemes, formation of functional zoning schemes and internal connections of office space. Open office spaces, modular planning system. Definition of blocks of premises and development of architectural and planning solutions or its adjustment using a previously developed plan of the building. Sketches. Development of drawings of the office interior.	Knowledge and consideration of all existing factors affecting the formation of the architectural environment of public buildings and offices, Understanding of all life processes taking place in public buildings and structures and their impact on the architectural and planning organization of the first	Interior of public buildings

B031- Fashion, interior design and industrial design	6B021 01- Design	Full- time (bachelor or 5 years) trimester	Design of a recreation and landscape complex	PRLK 5313	AS	Elective subjects	5.0	Bachelor	Architect ure and Design	5	1	color science, design basics, professional computer programs	Design engineering, professional activity	Study of the design site. Creating schemes for planting objects. Portrait of the consumer. Service schemes. Schemes" functional zoning and connections between zones of the projected territory. Creation of the concept taking into account all factors. Variant of solution. Development of drawings and landscaping of the landscape complex, shopping and pedestrian streets.	Ability to work with natural elements, creation of artificial elements of the environment, Understanding of functional processes and the ability to organize them in an open recreational urban environment, Skills to create a comfortable recreational environment based on theoretical knowledge and practical skills	The project of improvement of a shopping and pedestrian street
B031- Fashion, interior design and industrial design	6B021 01- Design	Full- time (bachelor or 5 years) trimester	Preliminary degree designing	PP 5314	AS	Elective subjects	10.0	Bachelor	Architect ure and Design	5	2	typology of the architectural environment, professional computer programs	Design engineering, professional activity	Development of a project on the chosen topic. Study of the necessary regulatory documentation, all functional and technological processes. Analysis of the site of possible placement of the object. Development of the general plan of the building, taking into account the functional purpose, as well as all the required norms and rules.	Understanding of life processes in design objects in accordance with their function. Skills in the selection of equipment, furniture and small architectural forms for the implementation of processes. Skills of architectural and planning organization of open and internal spaces.	Design engineering
B031- Fashion, interior design and industrial	6B021 01- Design	Full- time (bachelor or 5 years) trimester	Preproject Analysis	PA 5235	BS	Elective subjects	5.0	Bachelor	Architect ure and Design	5	2	Fundamentals of design, design engineering	professional activity	Mastering the basic principles of selection and analysis of information for design. A system of multidimensional data analysis. Data analysis system based on field research methods. A data analysis system based on urban planning and compositional solutions.	Know theoretical research methods, the ability to perform pre-project analysis of existing and specified conditions, the ability to perform analysis at any stage of the project	Fundamentals of scientific research

Head of department "Architecture and design"

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