

The educational program in the field of “Architecture of residential and public buildings” is the main direction of training a specialist architect

Studying at the Faculty of Architecture educational program (the direction "Architecture of residential and public buildings") you will begin to realize the main goal of the profession "architect": the ability to change the space around us and people's attitude towards. Buildings from the very beginning of the existence of mankind make people's lives more comfortable and safer. Now architecture is no longer just buildings and the space of streets and squares, but rather a solution to the socio-economic problems of cities. An architect is not only the creator of architectural drawings, but also an independent specialist who knows how to organize his own business and clearly understands the needs of consumers and customers.

What will you learn?

The main subject in the educational program in the direction of AR&PB is an architectural project. On the one hand, it is from the architectural part of the project, which is always created by architects, that every building starts. On the other hand, many other engineers and specialists, who, together with the architect, work in a single well-coordinated team, take part in the project process of creating project documentation.

First of all, educational architectural projects are starting with basic: a playground, a small residential house or pavilion. In the next few courses, students can already complete the project of a bank, museum, holiday hotel and other more complex projects of residential or public buildings. In the process of educational design, students learn to defend their ideas, seek compromises and take into account the interests of all participants in the production process.

In accordance with the requirements of the Professional Standards of Qazaqstan, the architect not only creates the concept of the building. He is also responsible for the detailed elaboration of the project and an understanding of the load distribution on the supporting structures, and what construction technologies can be used, what will be the useful area and how long the building will serve.

To become a successful specialist in the field of architecture will require considerable effort to master all the intricacies of the profession. An architect must be both an artist who is able to come up with and realize the original concept and image of a building, and an engineer who can provide security to a building, and a sociologist who creates a comfortable environment for city residents, and even a research historian, because the architectural image of the building must be reflected the spirit of the times and the regional features of the place.

What will you study?

To become a professional, you need to fully complete the educational program in the direction of AR&PB. In the first courses, a lot of time is devoted to general subjects, hand-made architectural graphics and modeling, which is very important for developing the ability to sketch and follow the design stages. The training program includes classes in computer graphics and 3d-modeling. All this knowledge and skills help express your ideas and future building concepts. Despite the fact that most of the work is done by architects using computer programs, students still study academic drawing, painting, and sculpture.

To understand engineering issues, a lot of time is devoted to the engineering foundations of descriptive geometry, geodesy, architectural physics, theoretical mechanics, and engineering solutions of building structures. Learn the professional criteria for creating beautiful and comfortable buildings helps the history of art and architecture, the foundations of economics, life safety. Students of architectural specialties hone their practical skills during professional and industrial practice in leading design companies and architectural and construction enterprises.

What are your career goals?

Already in the 2-3-year students-architects already have enough skills to start working. Graduate architects work in design and research institutes, in architectural management agencies, and in architectural and construction manufacturing companies. Young graduates in the area of AR&PB

find application of the acquired skills and competencies in small architectural and design workshops and bureaus, and have the opportunity to create their own creative studio.

What do you expect in this profession?

Nowadays, in an Era of rapid technological change, an architect has always been and remains one of the most interesting and, at the same time, complex creative professions. You find yourself in another world - the world of architecture, the world of creating architectural projects and technologies for the implementation of your conception. An architect must be able to work in complex computer programs, literally see what will become of the results of his work in the future. Studying the rules of architecture will allow you to look differently at the space of the city. But not like an ordinary person used to seeing the environment. Walking through the streets of cities, you will realize the time, style, what exactly happened with this street. You will begin to understand art, become interested in painting, and other areas of knowledge that accompany the profession of an architect.

After studying the educational program of AR&PB, you will be able to work in any applied specialty related to drawing and sketching: architect-designer, engineer, engineer-constructor. Along the way, you can also become a freelance artist, for example, make scenery in the theater, on television or in the cinema. You can devote yourself to teaching architectural and design specialties, research in the Master's degree and PhD. An architect, no matter where he or she works, in design offices or in own workshop, begins to literally live in architecture. Because people of this specialty never stop, and architecture becomes a way of life style.

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