

### 07.03.01 ARCHITECTURE

The profession of an architect allows you to combine engineering and art. Therefore, in addition to the most obvious - designing buildings and structures - architects are engaged in interior design, creating parks and landscaping cities. The modern trend in the industry is the narrowing of architectural specializations: the more complex the objects become, the more difficult it is to understand all types of construction at once. On the other hand, there are more opportunities for creativity in the work: modern architects, as a rule, do not calculate loads and painstakingly glue together models. Projects are developed using computer-aided design systems, and models are made on 3D printers.

At the enterprise, specialists in this field are engaged in the design of individual buildings and architectural groups, cities and towns. Develops new and optimizes existing space-planning solutions. Depending on the specialization, the architect can be engaged in the reconstruction of architectural monuments, create landscape panoramas, engage in the planning of private construction projects, calculate the required number of infrastructure facilities, etc. In government agencies, he is engaged in the approval of urban development plans taking into account regulatory requirements.

Admission is carried out to places **under an agreement on the provision of paid educational services - 15 places for full-time and part-time education.**

#### **Where will they teach?**

"Architecture" is one of the areas of the USTU Faculty of Technology. Duration of study is 6 years. Exams: mathematics (profile), Russian language, additional entrance examination drawing.

#### **What will they teach?**

To put forward architectural ideas for the formation of the environment of cities and towns;

Create urban development projects: master plans for microdistricts, districts, villages, cities and individual objects;

Select and use materials, structures, engineering systems when developing architectural and urban planning solutions;

Conduct economic assessment and control the cost of design solutions;

Participate in the defense of the project with customers, in higher authorities, at public hearings and in expert bodies;

Carry out author's supervision during the implementation of the project;

Carry out restoration projects for cultural heritage sites;

Manage restoration work;

During restoration work, skillfully combine historical and modern materials;

Conduct research related to the search for improvement of compositional, artistic, ecological, technological and other qualities of the architectural environment.

#### **What job?**

- Architect

— Architect , general planner , designer, restorer

- Designer

— Landscape designer

— Design engineer, builder

— Landscape architect

- Builder