BRIEF SYLLABUS OF THE MAJOR PROFESSIONAL EDUCATION PROGRAMME
FOR THE SUBJECT AREA

07.03.01 ARCHITECTURE

Course: Architectural design
Degree awarded: Bachelor
Tuition format: full-time (part-time)
Standard course duration: 5years (5 years 6 months)

1. Education Programme Objectives (Mission)

The major professional education programme aims to develop in undergraduate students personal qualities and universal, general professional competences in accordance with the requirements of the federal higher education standard for the subject area 07.03.01 Architecture, and professional competences allowing for the professional standard «Architect», employer needs and labour market requirements, for a successful professional career.

In the area of personal development, the goal of the education programme is to facilitate students' personality development based on the set of values inherent in the Russian society, fostering personal qualities contributing to their creative activity, general cultural growth and social mobility, sense of purpose, self-discipline, responsibility, self-sufficiency and civic-consciousness.

The education programme is delivered in the official language of the Russian Federation.

2. Characteristics of Graduates' Professional Activities

2.1. General description of graduates' professional activities:

The area of professional activity and sphere of professional activity within which graduates who have completed the bachelor degree programme can practice professionally:

– 10 Architecture, design, geodesy, topography, and decoration (in the sphere of architectural design).

Graduates can practice in other areas of professional activity and (or) spheres of professional activity on condition that their level of education and acquired competences meet relevant qualification requirements.

In studying within the framework of the bachelor degree programme, graduates prepare themselves for solving professional activity tasks of the following types:

architectural design – development of conceptual architectural project and architectural part of the design (detailed) documentation;

analytical (pre-design analysis) – pre-design research and preparation of data for the development of the architectural part of the design documentation.

The list of basic objects (or fields of knowledge) dealt with by graduates in professional activity:
- artificial physical spatial living environment for individuals and society with its components – settlements, urban environment, buildings, structures and complexes with life-support and safety systems and landscapes.

2.2. List of professional standards linked to the federal higher education standard (FGOS VO)

FGOS VO for the subject area 07.03.01 Architecture is linked to the professional standard 10 008 «Architect» approved by the order of the Ministry of Labour and Social Protection of the Russian Federation of 04 August 2017 № 616н (registered by the Ministry of Justice of the Russian Federation on 29 August 2017 under № 48000).

3. Expected outcomes of the education programme

Completion of the education programme provides the graduate with the following competences established by the federal higher education standard:

1) universal competences (UC):

Category (group) of universal competences	Code and description of universal competence
Systemic and critical thinking	UC-1. Ability to perform information search, critical analysis and synthesis, apply systems approach to achieve objectives
Development and realisation of projects	UC-2. Ability to identify objectives within the framework of the goal to be achieved and choose optimal methods to solve them proceeding from legal norms, available resources, and restrictions
Team work and leadership	UC-3. Ability to engage in social interaction and one's role in the team
Communications	UC-4. Ability to conduct business communication in oral and written forms in the official language of the Russian Federation and in foreign language(s)
Intercultural interaction	UC-5. Ability to perceive intercultural diversity of society in socio-historical, ethical and philosophical contexts
Self-discipline and self-development (including health)	UC-6. Ability to manage time, build and implement a personal development trajectory on the basis of continuing life-long education
	UC-7. Ability to keep fit for performing fully functional social and professional activity
Health and safety	UC-8. Ability to create and maintain safe conditions in everyday life and in professional activity for preserving the natural environment and ensuring sustainable development of society, including under threats of and occurrence of emergency situations and military conflicts
Economic culture, including financial literacy	UC-9. Ability to make reasoned economic decisions in various walks of life
Civic consciousness	UC-10. Ability to form intolerance to corruption

2) general professional competences (GPC):

Category (group) of general professional competences	Code and description of general professional competences
Art and graphics	GPC-1. Ability to present design decisions with the use of traditional and latest means of visualisation at a proper level of artistic culture and spatial thinking
Research and design	GPC-2. Ability to carry out comprehensive predesign analysis and search to find creative solutions
General engineering	GPC-3. Ability to participate in comprehensive design on the basis of the systems approach allowing for legal norms, financial resources and based on situation analysis in social, functional, ecological, technological, engineering, historical, economic and aesthetic aspects
	GPC-4. Ability to apply relevant techniques for identifying the technical parameters of objects being designed
Information and communication technologies for	GPC-5. Ability to understand principles underlying the operation of modern information technologies and use them for achieving objectives in professional activity

professional activity	

3) Completion of the education programme also ensures the development in graduates of **professional competences** established by the University independently on the basis of the professional standard (PS) "Architect":

Professional practice objective	*Object or field of knowledge*	*Code and description of professional competence*	*Reference (PS, analysis of experiences)*
Type of task in professional activity: *architectural design*			
Development of architectural design and architectural part of design (detailed) documentation	Objects of graduates' professional activity after completing the bachelor degree programme are the artificial physical spatial living environment for individuals and society with its components –settlements, city environment, buildings, structures and complexes with life-support and safety systems and landscapes	PC 1. Ability to participate in the development and preparation of the architectural part of design documentation	Professional standard 10.008 Architect
		PC 2. Ability to participate in the development and preparation of the architectural conceptual project	
Type of task in professional activity: *analytical (predesign research)*			
Predesign research and preparation of data for development of the architectural part of the design documentation	Objects of graduates' professional activity after completing the bachelor degree programme is the artificial physical spatial living environment for individuals and society with its components –settlements, city environment, buildings, structures and complexes with life-support and safety systems and landscapes	PC-3. Ability to participate in predesign research and preparation of data for development of the architectural part of the design documentation	Professional standard 10.008 Architect

4. Education programme delivery conditions
Physical resources

The University has:
- essential physical resources including specially equipped classrooms and lecture halls: computer classes, language laboratories, lecture halls equipped with teaching multimedia, etc.,
- a range of licensed software and freeware, including domestic products;
- electronic learning and information environment;
- online eLearning system https://Moodle.usaaa.ru/

The delivery of the education programme using exclusively online and distant learning technologies is not allowed.

Human resources

The educational program is taught by pedagogical staff who have an education background and/or academic degree corresponding to the subject area of the discipline taught and engage systematically in scientific research and (or) teaching methodology research activities. A considerable part of the teaching staff participating in the delivery of the education programme are members of creative associations such as Unions of Designers, Artists, or Architects.

Compliance with quality assurance requirements applicable to the education programme activities and teaching

The University's quality assurance system ensures a sufficient quality of education and training producing graduates equipped with required competences and meeting the requirements of educational authorities, employers, students, faculty, and international standards.

The quality of education and training delivered within the educational programme is verified by internal and external auditing of it. External auditing of education quality is performed within the framework of the state accreditation procedure for the purpose of verifying that the educational programme meets the requirements of the federal higher education standard with the participation of students and trainees in independent quality evaluation. When conducting an internal quality audit of the education programme, the University engages employers and (or) their associations, and other legal entities and (or) private individuals including out of the University's teaching staff.