In 1930 the Kyiv Civil Engineering Institute was founded on the basis of factory and communal construction branch of the Kyiv Polytechnic and the Architectural faculty of the Kyiv Art Institute.

In the years of its existence the Institute trained over 60 thousand engineers and architects, including about 3 thousand specialists for 75 countries of the world. Academic staff and scientists have made a considerable contribution to national and world science in the branches of construction and architecture.

On August 13, 1993 a new stage in the history of the Kyiv Civil Engineering Institute began. By the Decree of the Cabinet of Ministers the Kyiv State Technical University of Construction and Architecture was created on the basis of the Kyiv Civil Engineering Institute.

On February 26, 1999 by the Decree of the President of Ukraine (N2 217/99) the University was given a status of National University with the title of Kyiv National University of Construction and Architecture.

Three research institutes, two research complexes as well as a center for economic research and forecasting function under the auspices of the University. Nine specialized academic councils confer scientific degrees of doctors in 25 specialities.

About 9 thousand students including those of preparatory faculties study at the University of Construction and Architecture at day-time and extramural departments. Day-time departments embrace 6,5 thousand, including 200 foreign citizens. The teaching staff of the University numbers about 700 highly qualified lecturers, among them about 100 doctors of science, professors and about 370 candidates of science, associate professors.

A multi-stage training of specialists in construction is carried out at 6 main departments according to the curricula ensuring the fundamental education. This theoretical and practical background gives the students possibility to acquire the educational qualification level of Bachelor, Specialist and Master of Science in 22 specialities.
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<th>SPECIALITIES</th>
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<td>Technology of Building Structures, Products and Materials</td>
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<td>Structures, Water-Supply and Water-Way Equipment</td>
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<td>Geodesy</td>
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<td>Land Management and Cadastre</td>
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<td>Geographic information Systems &amp; Technologies</td>
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<td>Art</td>
<td>Art</td>
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<td>Management</td>
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<tr>
<td>Economics, Commerce and Entrepreneurship</td>
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<td>Specific Categories</td>
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<td>Project Management</td>
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</tbody>
</table>
DEPARTMENTS

CONSTRUCTION DEPARTMENT

trains Bachelors of Construction and Management; Specialists and Masters in the following specialities: industrial and civil construction; organization management.

CITY DEVELOPMENT DEPARTMENT

trains Bachelors of Construction, Geodesy, Cartography and Land Management; Specialists and Masters in the following specialities: city development and public services; geodesy; cadastre and land management; Geographic information Systems and Technologies.

CONSTRUCTION TECHNOLOGICAL DEPARTMENT

trains Bachelors of Construction; Specialists and Masters in the following specialities: technology of building structures, products and materials; trains Bachelors of Trade
DEPARTMENTS

ARCHITECTURAL DEPARTMENT

trains Bachelors of Architecture, Fine Art, Specialists and Masters in specialities: architecture of buildings and structures; town planning; design of architectural environment; fine art, decorative and applied art.

SANITARY ENGINEERING DEPARTMENT

trains Bachelors of Construction, Water Resources; Ecology; Specialists and Masters in specialities: ecology and protection of environment; heat and gas supply and ventilation; water supply and sewerage structures and equipment; water supply and sewerage.

AUTOMATION and INFORMATION TECHNOLOGIES DEPARTMENT

trains Bachelors of Engineering Mechanics, Automation and Computer-Integrated Technologies, Computer Science; Pedagogical Education; Specialists and Masters in specialities: hoisting, building, road and reclamation machines and equipment; automatic control of technological processes; computer controlled systems and technologies; information technologies in designing; project management; computer technologies in management and teaching.
<table>
<thead>
<tr>
<th>Department</th>
<th>Description</th>
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<tbody>
<tr>
<td><strong>PREPARATORY COURSES</strong></td>
<td>make selection, give professional orientation and training of young people for entering the University.</td>
</tr>
<tr>
<td><strong>PREPARATORY DEPARTMENT FOR FOREIGN CITIZENS</strong></td>
<td>trains foreign citizens who have full secondary education for entering higher educational establishments and vocational schools of Ukraine to get training in engineering, architecture, economy and medicine and it also teaches them Ukrainian and Russian languages in the volume necessary for studying at higher educational establishments, for post-graduate, doctorate studies and professional activities.</td>
</tr>
<tr>
<td><strong>TEACHERS’ REFRESHMENT AND STUDIES DEPARTMENT</strong></td>
<td>provides brushing up qualifications of higher school teachers of II-IV levels of accreditation in 12 specialities and 13 disciplines.</td>
</tr>
<tr>
<td><strong>REFRESHMENT AND RE-TRAINING DEPARTMENT</strong></td>
<td>provides the post-diploma training, re-training and raising the qualification level of specialists aimed at acquiring higher educational and qualification level, new qualification and new speciality on the basis of the earlier received ones.</td>
</tr>
<tr>
<td><strong>DEPARTMENT FOR RE-TRAINING SPECIALISTS IN NEW DIRECTIONS OF SCIENCE, TECHNIQUE AND MANAGEMENT</strong></td>
<td>provides training, re-training and raising qualification for specialists whose professions are urgently required in construction industry.</td>
</tr>
</tbody>
</table>
THE STUDY PROCESS IS PROVIDED BY:

- Ukrainian Studies
- Foreign Languages
- Political Sciences
- Higher Mathematics
- Applied Mathematics
- Physics
- Strength of Materials
- Descriptive Geometry, Engineering and Machine Graphics
- Architectural Structures
- Structural Mechanics
- Reinforced Concrete and Brickwork Structures
- Metal and Wood Structures
- Bases and Foundations
- Technology of Building Construction
- Planning and Construction Management
- Construction Economics
- City Development
- Engineering Geodesy
- Automation of Geodetic Measurements
- Architectural Design of Buildings and Structures
- Principles of Architecture and Architectural Design
- Theory of Economics
- Philosophy
- Physical Training and Sports
- Chemistry
- Theoretical Mechanics
- Basis of Information
- Building Materials
- Electrical Engineering and Conduction
- Protection of Labour and Environment
- Design of Architectural Environment
- Architectural Qualimetry
- Drawing and Painting
- Hydraulics and Water-way
- Water Supply
- Heat-and-gas Supply and Ventilation
- Heat Engineering
- Building Machines
- Automation of Building Industry
- Systems of Automated Design and Management
- Technology of Producing Concrete and Reinforced Concrete Structures
- Military Training

THE CHAIRS OF HUMANITARIAN AND SOCIO-ECONOMIC TRAINING

THE CHAIRS OF FUNDAMENTAL TRAINING

THE CHAIRS OF GENERAL TECHNICAL TRAINING

CHAIRS OF SPECIAL TRAINING
Scientific and research activities are aimed at the State system development in Ukraine incorporating the protection of natural environment, use of efficient and environmentally safe sources of energy, and resource saving technologies, new substances and materials, long-term information technologies, all-round automation, systems of communication, new contents and methods of teaching and education.

MAIN LINES IN SCIENTIFIC ACTIVITIES

- Socio-political development of society and nation evolution under the State organization structuring.
- Improvement of architectural approaches and efficiency of city development.
- Efficiency raising of the water, heat and energy resources’ utilization; developing specific standards of industrial water use; developing Freon-free hardware for heat- and cold-carriers.
- New resource saving technologies for the production of building materials and goods; the development of newly modified composite materials for building and other specific purposes utilizing mineral resources and waste.
- Development of effective building structures and perfecting the methods of design; development of the approaches in building structure design related to application of light materials.
- Improvement of the technology, organization, economics and management of construction and reconstruction of buildings; development of the tool for design and efficient implementation of investments in the construction field; development of highly efficient technological processes in civil, industrial and agricultural construction; development of resource saving technologies for the site work under difficult building conditions.
- Development, improvement and maintenance of structural engineering, automatic and robotization facilities; creation of the new excavating equipment and machinery for soil and rock treatment and cutting, as well as the equipment for destruction and refinement of the building structures under severe conditions.
• Improvement of the design, projection and management in the construction and other branches by means of computer engineering and mathematical technique; development of tools and computing systems for complex space structures in building and machine construction; optimization of management of the developing engineering systems; development of metering equipment for building material studies; development of the computer environmental information system.

• Improvement of engineering and land-surveying in the construction field; concept and fundamentals’ development of the complex computer system for land-surveying in the construction field.

• Labour and environment protection; development of the technology and equipment for natural water and industrial waste water treatment, utilization of sediments and extraction of sorbents out of wastes, neutralization of adverse industrial and ventilation emissions and reduction measures; development of technological processes and equipment for environmentally safe localization of toxic and radioactive wastes; development of radio-wave technique for determination of industrial soil pollution and that of the underground engineering units.

Improvement of the training system for certified civil engineers; forecasting in civil engineering development training of engineers in the construction branch; development of new computer technologies of student training and improvement of the process of teaching; broader introduction of humanities in the curriculum of the engineering University; developing training apparatuses for doing sports.

THE UNIVERSITY HOSTS THE EDITORIAL BOARDS OF SOME INTERDEPARTMENTAL SCIENTIFIC AND TECHNICAL PUBLICATIONS:

• strength of materials and theory of structures;
• applied geometry and engineering graphics;
• bases and foundations;
• land-surveying;
• mining, building, road and land-reclamation machinery;
• problems in contemporary architecture and town planning;
• town planning and district planning;
• ways of building efficiency raising under the formation of market relations;
• research and practical challenges in modelling and forecasting of the emergency situations;
• technology of building;
• technical aesthetics and design;
• ventilation, clearing and heat supply;
• water supply, drainage, hydraulics.
SCIENTIFIC ACTIVITY

SCIENTIFIC RESEARCHES IS CARRIED OUT BY SUCH CHAIRS AND SCIENTIFIC SECTIONS OF THE UNIVERSITY:

Scientific-Research Institute on Structural Mechanics, includes:
- Section of Static and Dynamic Space Structures;
- Section of Static Methods in Structural Mechanics;
- Section of Stability of Structures.

State Scientific-Research Institute on Binders and Materials, includes:
- Section of Binders and Concretes;
- Section of Composite Materials of Special Destination;
- Section of Patent-License and Marketing Activity;
- Group of Physical and Chemical researches;
- Testing Laboratory.

Scientific-Research Institute on Road Building and Engineering Technique, includes:
- Section of Special Designs;
- Section of Overhang Equipment.

State Engineering and Ecological Complex, includes:
- Laboratory of Physical, Chemical Theoretical Problems, Eco- and Bio-systems;
- Laboratory of Technologies and Complex Installations;
- Laboratory of Water Treatment;
- Laboratory of Air-basin Protection;
- Laboratory of ecological simulation problems;
- Laboratory of environment parameters control.

Scientific-Research Laboratory of Economical Researches and Forecasting.

Scientific-Research Complex, includes:
- Scientific-Research Laboratories of:
  - especially light steel structures;
  - bases and foundations of industrial buildings;
  - bases and foundations of agricultural buildings;
  - building structures;
  - composite building materials;
  - technology of building materials;
  - technology and mechanization of erection and special designs;
  - rational use of water by industrial enterprises;
  - testing of aggregates, constructions and structures;
  - numerical methods in geotechnics.
  - Sectors:
    - geodesy;
    - geophysics engineering.

Materials Certification Body.

Building Branch Technical Committee of Certification and Standardization of Building Materials in Ukraine.

Building Structures Testing Center.

The Ukrainian association «Personnel for Construction" is created on the University's basis to coordinate the scientific and education activity of educational establishments which train specialists for the building branch.
THE TRAINING OF SCIENTISTS IS CARRIED OUT IN SUCH DIRECTIONS:

- Differential equations.
- Theoretical mechanics.
- Mechanics of the solid body which deforms.
- Systematic analysis and theory of optimal decision.
- Applied geometry and engineering graphics.
- Technical aesthetics.
- Equipment for production building materials and constructions.
- Equipment for ground and road work.
- Transport-hoist engines.
- Automated systems of management and modern information technologies.
- Automatization of technological processes.
- Systems of design automatization.
- Project management and production development.
- Technical thermal physics and industrial heat power engineering.
- Technology of high-melting non-metal materials.
- Building constructions and structures.
- Bases and foundations.
- Ventilation, lighting and heat supply.
- Water supply and sewerage.
- Hydraulics and engineering hydrology.
- Technology of industrial and civil building.
- Building materials and products.
- Structural mechanics.
- Town planning and district planning.
- Geodesy.

- Labour protection.
- Land monitoring and cadastre.
- History of Ukraine.
- Economical theory.
- Building economics.
- Philosophical anthropology and philosophy of culture.
- Theory of architecture, restoration of architectural monuments.
- Architecture of constructions and structures.
- Town planning and landscape architecture.
- Technogenic safety of state.
- Theory and history of political science.
- Ethnopolitology and state ethnography.

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AT THE UNIVERSITY WORKS COUNCIL OF THESIS DEFENCE:

- Automatization of technological processes
- Systems of design automatization
- Project management and production development
- Theory of architecture, restoration of architectural monuments
- Architecture of structures and structures
- Town planning and landscape architecture
- Technology and organization of industrial and civil building
- Factory economics and manufacture organization
- Building economics
- Mechanics of the solid body which deforms
- Building structures
- Building mechanics
- Bases and foundations of buildings
- Building materials and products
- Engineering graphic and applied geometry
- Technical esthetics
- Ventilation, lighting and heat supply
- Water supply and sewerage
- Hydraulics and engineering hydrology
- Engines for manufacturing building materials and structures
- Engines for land- and roadworks
- Transport-erection engines
- Geodesy
- Cadastre and land monitoring
- Town building and district planning
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