



**BYDGOSZCZ UNIVERSITY  
OF SCIENCE AND TECHNOLOGY**  
Faculty of Civil and Environmental Engineering  
and Architecture

## **FIRST-CYCLE STUDIES IN THE FIELD OF ARCHITECTURE (6TH QUALIFICATION FRAMEWORK)**

### **Description of the field**

The work of an architect is primarily the design of buildings, defining functional layouts, creative solving of spatial problems and coordinating the work of other industries involved in the construction process. The combination of proper functional solutions with a high aesthetic level of the building plays a special role in the work of an architect.

As an architect, you will deal with:

Designing buildings of various functions (e.g. residential, service, public, industrial) and structures (e.g. brick, frame).

Coordinating the work of designers from other industries (including constructors, designers of the sanitary and electrical industries).

Creating a vision for the functioning of a building, of the semi-public and public spaces, or of the entire city.

Designing housing estates with accompanying areas (e.g. parking lots, lawns, playgrounds, recreational areas).

Designing functional solutions for the buildings. Adapting existing buildings to new utility functions.

Designing construction works (including conservation) at historic buildings.

Developing revitalization programs (with the participation of other specialists).

Interior design. Creating a visualization of architectural designs.

### **What will you study?**

Architecture is an interdisciplinary field that combines technical, engineering, artistic and humanistic elements. During your education, you will study basic subjects in humanities and science (history of art, mathematics, descriptive geometry) and major subjects, like: theory of architecture and urban planning, history of architecture, construction and building materials, landscape architecture, freehand drawing and painting, building installations, city infrastructure.

Two subjects are of particular importance during your studies in the field of Architecture: Architecture Design Studio and Urban Design Studio, during which you will learn the basic principles of designing individual architectural objects (including residential, commercial, and public utility buildings) as well as urban spaces. Design Studios are held in small groups, ensuring a good direct contact with lecturers. During your architectural studies, you will also develop your drawing skills, artistic sensitivity, spatial imagination and logical reasoning skills. You will use advanced computer techniques including 3D and Parametric Design (BIM). The

last semester is entirely devoted to apprenticeships that will introduce you to the realities of the functioning of an architectural office and prepare you for professional work after graduation. Also, during the holidays between the consecutive years of study, you will participate in short inventory internships and in open air drawing. We also offer interesting optional subjects to help you develop your interests, like: energy-saving design, architecture of public spaces, historical area design, or designing architectural details.

### **Employment after graduation**

After studying Architecture, you will be prepared to start a job related to architecture and urban planning. The most common career path for our graduates is to work in an architectural company, which gives the opportunity to create your own architectural designs and observe the creation of real buildings on their basis. But other professional paths are also possible: working in construction and development companies, state and local administration institutions, or at conservation or interior design studios. After completing the first cycle of studies in Architecture, you will be able to continue your education in the second cycle of studies.

### **Why Architecture?**

Architecture, through its interdisciplinarity, allows for the simultaneous development of engineering and artistic skills. It allows you to unleash creativity and ingenuity. Learning the profession in practice is part of the construction investment process. Classes are conducted in small, elite groups, which ensure a better and direct contact with lecturers. This enables building individual relationships and highly personalizing the educational process.

**The procedure for submitting candidates** is available at: <https://iro.pbs.edu.pl/en/full-studies/full-studies>

Online registration for higher education for the 2022/2023 academic year is scheduled to begin on June 6, 2022

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