

## AJOU UNIVERSITY IN TASHKENT



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## Introduction of AUT



AUT was established to nurture highly qualified personnel in accordance with the prospects for socio-economic development of Uzbekistan by the agreement on the Management of Ajou University's Academic Curriculum between the Ministry of Higher and Secondary Specialized Education, Republic of Uzbekistan and Ajou University, Republic of Korea, based on the Decree of the President of the Republic of Uzbekistan No. PP.4041, November 30th, 2018. All departments of AUT provide 4-year daytime undergraduate courses, which are taught exclusively in English. Ajou University, established in 1973 under the motto of "Asia's Best University for the 21st century", is a leading research university with 11 colleges in Korea. Located in Suwon, about 30 km south of Seoul, Ajou has 14,000 students (9,700 undergraduates, 3,700 graduates, and 500 in other courses). The strength in Ajou's academic programs and research lies in Engineering, IT, Biotech, Nanotechnology, Medical Science, and Business and International Studies. Ajou is widely recognized for its innovative international programs and strong support for international students and has collaborative partnerships with over 322 universities in 65 countries. There are a wide range of international programs at Ajou, including student and faculty exchanges, international summer school, and Korean language programs. International students take courses offered in English in many majors. Today Ajou welcomes about 750 international students each year.

## Why AUT?

### Three reasons why you should choose AUT

- **Best Education System:** Transference of the Excellent Education System of Ajou University in Korea.
- **Best Government Subsidy:** Citizens of Uzbekistan will pay tuition at rates charged by other universities in the country, with the cost differential supported by government subsidy. All domestic students admitted will be eligible for government subsidy during the 2020-2021 academic year and throughout their time at AUT, as long as they maintain good academic standing and their studies are not already supported by outside organizations. Government subsidy recipients commit to work 3 years for governmental organizations upon graduation.
- **Best Job Opportunities:** Education in these key areas are necessary for Uzbekistan's economic growth.





# Departments

## Department of Architecture

### Department Introduction

Architecture is both the process and the product of creating, developing, building, and managing built environments, such as a building, community, and city. It is a complicated process requiring a wide variety of professional knowledge. The architectural program offers a world-class education, such as architectural design, structure, construction, and mechanical and electrical system programs based on a 4-year framework. It aims to cultivate architects, engineers and skilled managers with a systematic comprehensive mindset and working-level competence in solving problems. Graduates in the Department of Architecture distinguish themselves not only in various architectural planning offices and large construction/development companies but in a variety of other fields, including education and research, development and real estate, professional consulting and engineering, and computer graphics and visual design.

### Course List

- Introduction to Architectural Design
- Introduction to Digital Design
- Adventure Design in Architecture
- Theory of Structure in Architecture
- Building Structure
- Architectural Design Studio
- History of Western Architecture
- Statistics Research & Analysis
- Reinforced Concrete Structure
- Architectural Environment System
- Contemporary Architecture
- Building Materials
- Theory of Urban Planning
- Building Mechanical and Electrical System
- Steel Structure
- Building Construction
- Interior Architecture
- Architectural Landscape
- Building Code
- Architectural System Design
- Project Management for Construction
- Construction Document Reading and Practice
- Building Cost Estimation and Practice
- Architectural Internship

Prof. Kyungrai Kim,  
Ph.D, Dean of Department  
of Architecture



## Department of Civil Systems Engineering

### Department Introduction

Civil Systems Engineering (CSE) is a category dealing with the construction of more pleasant and humanistic environments. It is a discipline that aims for the efficient use and management of natural resources. Upon graduation, most CSE students tend to work in major construction or engineering companies. As most civil engineering works are national projects, CSE graduates are likely to join national or public institutions such as governmental offices. Some may enter graduate school for more in-depth education or go to various research institutes.

### Course List

- Applied Mechanics
- Earthquake Resistant Engineering
- Introduction to Creative Design
- Computer Aided Design
- Fluid Mechanics
- Solid Mechanics
- Elementary Surveying
- Surveying Practice
- Design of Hydraulics
- Soil Mechanics
- Concrete Engineering
- Structural Mechanics
- Hydrology
- Foundation Engineering and Design
- Reinforced Concrete Design
- Analysis of Indeterminate Structures
- Geographic Information System
- Design of Water and Waste-Water System
- Construction Management
- Ground Stability Analysis and Design
- Prestressed Concrete Design
- Matrix Structural Analysis
- Engineering Internship
- Civil Construction Planning
- General Construction Design
- Tunnel Engineering
- Bridge Engineering and Design

Prof. Yung Seok Shin,  
Ph.D, Dean of Department of  
Civil Systems Engineering



## Department of Electrical and Computer Engineering

### Department Introduction

In the Department of Electronics, we create new values that can bring joy to humans. We aim to cultivate skilled engineers equipped with professional knowledge and leadership so that they can contribute to the welfare of modern society. Toward this goal, we offer students unique opportunities to study and carry out research in areas including electronic devices and materials, multimedia networks and communications, microwave radio communications, computers, and automatic control systems. Focusing on three core areas of Semiconductor IT, mobile IT, and automotive IT, we are providing industrial demand-oriented multidisciplinary education.

### Course List

- Circuit Theory
- C Language
- Programming for Electrical Engineering: Java
- Electromagnetics
- Logic Circuits
- Signals and Systems
- Basic Electric Circuit Laboratory
- Data Structure and Algorithm
- Probability and Random Variables
- Communication Systems
- Automatic Control
- Electronic Circuits
- Computer Network
- RF Circuits
- Digital Communication Systems
- Computer Architecture
- Image Signal Processing
- Electric Motor Control
- Embedded System Design
- Artificial Intelligence System
- Capstone Design Project
- Semiconductor Engineering
- Power Electronics

Prof. JO, Jungyol,  
Ph.D, Dean of Department  
of Electrical and Computer  
Engineering



## How do you feel about Ajou?

"It's been a really productive and thought-provoking period in my life at Ajou University."

(Azzamov Navruzбек,  
Postgraduate, International  
Business Administration)



"I invite you to study at Ajou University in Tashkent."

(You-Jin Seo, Coordinator,  
AUT project Management Office)



"I believe that future AUT students will do much work for our country's development."

(Mamadaliev Abdulatif,  
Undergraduate,  
Business Administration)

