

**INFORMATION ON THE ARCHITECTURE BACHELOR DEGREE PROGRAM**

<b>General Information</b>	<p>The Undergraduate Program of the Department of Architecture was established in 2011. The full-time academic staff consists of 9 faculty members, 2 lecturers, and 1 research assistant. Our department is based on the understanding that architectural education is a field of spatial and design research, experimentation, experience, and practice. Accordingly, it has developed a program that approaches this field with an innovative, original, and forward-looking perspective. The program is structured around five interwoven and complementary course modules:</p> <p>Module 1: Architectural Design Studios  Module 2: Architecture Culture, History, and Theories  Module 3: Architectural Design, Presentation, and Research Methods and Techniques  Module 4: Building Technologies  Module 5: Elective Courses</p> <p>The courses within these modules are designed in a way that ensures a progressive increase in knowledge and skill proficiency, aligning with the objectives of the academic year and semester in which they are offered. The modules consist of a series of courses bearing the same name, indicating their respective fields.</p> <p>The "vertical" structure of the Architectural Design Studios forms the backbone of the modular system, interconnecting course content and intended learning outcomes. The Vertical Studio refers to a learning environment where students enrolled in different academic years and semesters of the design studio course work together in a single architectural design studio under the guidance of two or more studio instructors. Each student follows a process appropriate to their level while targeting the competencies required for the next stage. This setup fosters a dynamic learning atmosphere, where the collaboration between students of varying knowledge, skills, and competencies enhances peer learning and cooperation, creating a highly enriched educational experience.</p> <p>Students who complete their 5th semester participate in the Cooperative Education Program, which is unique to TOBB ETÜ and the only program of its kind in Turkey. Our department has established cooperative education agreements with 152 different firms across various professional fields, allowing students to gain hands-on experience in diverse areas of expertise and practice. This number continues to grow each year. Architectural competitions hold significant weight in architectural design studios as a platform for architectural experimentation and research. Students are encouraged to participate in competitions both as part of their studio work and individually. Both our students and academic staff have received numerous national and international awards in various competitions.</p> <p>The language of instruction is 30% English. Courses within the Architecture Culture, History, and Theories module and the Architectural Design, Presentation, and Research Methods and Techniques module are conducted in English.</p> <p>In recent years, faculty members of our department have completed two TÜBİTAK-funded research projects focusing on the use of digital design tools in architectural design education in Turkey and on the historical urban areas of Ankara. Additionally, three international Erasmus+ Strategic Partnership projects have been carried out on different aspects and processes of architectural education, along with a research project funded by the HORIZON 2020 Marie Curie program, which evaluates the impact of climate change on coastal cities. Currently, a TÜBİTAK-funded project on cultural heritage site management plans and databases is ongoing in the department.</p>
<b>Program Purpose</b>	<ol style="list-style-type: none"> <li>1. To train architects who are sensitive to the conditions, opportunities, needs, and future of both our country and the world, and who can conduct research, design, and application at international standards in response to these opportunities, conditions, and the globalizing world;</li> <li>2. In this context, to provide a learning and development environment that is innovative, original, and flexible, focusing on intrinsic motivation, valuing individual differences and sensitivities, fostering social responsibility awareness, collaborative skills and competencies, and offering new perspectives on emerging technologies and the future;</li> <li>3. To enable architecture students to test and enhance their acquired knowledge, skills, and competencies through national and international research, design, and project-based studies and workshops, integrating various research, design, and application opportunities.</li> </ol>
<b>Degree Earned</b>	Bachelor of Architecture (B.Arch.)
<b>Level of Degree Earned</b>	Undergraduate - NQF-HETR / EQF Level 6
<b>Requirements and Rules of the Degree Earned</b>	<p>In order to qualify for a Bachelor's Degree, a student must meet the following requirements as stipulated in Article 45 of the TOBB University of Economics and Technology Undergraduate Education, Teaching, and Examination Regulation:</p> <ol style="list-style-type: none"> <li>a) Successfully complete all courses and practical requirements prescribed by the enrolled undergraduate program, including the Cooperative Education obligations, and fulfill all course requirements that have not been substituted by another course within the maximum period of study, in accordance with the relevant regulation.</li> <li>b) Complete the minimum required credits for the undergraduate program, which are 165 local credits and 292 ECTS credits.</li> <li>c) Achieve a minimum cumulative GPA of 2.00.</li> </ol>
<b>Registration Admission Requirements</b>	<ol style="list-style-type: none"> <li>1. The number of students to be admitted to the undergraduate program is determined by the Chairman of the Board of Trustees upon the recommendation of the Senate and is finalized with the approval of the Council of Higher Education (YÖK).</li> <li>2. Student placement in the undergraduate program is conducted by the Measurement, Selection, and Placement Center (ÖSYM) based on the results of the Central Placement Exam administered by ÖSYM.</li> <li>3. Admission of international students is carried out in accordance with the relevant regulations and the principles determined by the Senate.</li> <li>3. Transfers from within or outside the university through horizontal (lateral) or vertical transfer, as well as admissions of special students, visiting students, exchange program students, and other categories, are carried out in compliance with the relevant regulations. These admissions are based on the principles and quotas set by the Senate, with the approval of the Faculty Administrative Board, after consulting the relevant department.</li> </ol>
<b>Recognition of Prior Learning</b>	The content and equivalency of a course previously taken by a student at another institution from which they have withdrawn are evaluated by the Department Board and the Faculty Administrative Board. If approved, the course is transferred and adjusted in accordance with the relevant regulations.
<b>Examinations, Assessment and Grading</b>	Assessment and evaluation are conducted in accordance with Article 22 of the TOBB University of Economics and Technology Undergraduate Education, Teaching, and Examination Regulation, which governs examinations. The assessment methods and tools are clearly stated in the course information forms distributed to students at the beginning of the semester. Evaluations are carried out based on the weights specified in these forms and are subsequently announced.
<b>Teaching Style</b>	Full-time, formal, Daytime education
<b>Graduation Requirements</b>	<p>For a student to graduate and qualify for a bachelor's degree in their enrolled program, they must fulfill the following requirements as stipulated in Article 45 of the TOBB University of Economics and Technology Undergraduate Education, Teaching, and Examination Regulation:</p> <ol style="list-style-type: none"> <li>a) Successfully complete all courses and practical requirements prescribed by the undergraduate program, including Cooperative Education obligations, and fulfill all course requirements that have not been substituted by another course, within the maximum period of study, in accordance with the relevant regulation.</li> <li>b) Complete the minimum required credits for the undergraduate program, which are 165 local credits and 292 ECTS credits.</li> <li>c) Achieve a minimum cumulative GPA of 2.00.</li> </ol>
<b>Occupational Profiles of Graduated-Employment Opportunities</b>	<p>Throughout their education, TOBB ETÜ Architecture students actively engage in intensive design and research activities, participating in national and international research projects. They develop proficiency in utilizing design, visualization, and production tools efficiently and effectively while fostering a high level of motivation for learning and experimenting with new software and technologies.</p> <p>Graduates of the TOBB ETÜ Department of Architecture stand out as highly skilled and sought-after professionals in both academic and industry settings. Their education, success in national and international competitions and projects, and one year of professional experience gained through the Cooperative Education Program contribute to their strong and competitive profiles.</p> <p>The construction sector is one of Turkey's leading industries. Architects play a crucial role in various phases of the architectural project development process, including design, implementation, manufacturing, management, and supervision, as well as in related interdisciplinary fields. Thanks to their comprehensive knowledge, skills, and competencies, TOBB ETÜ Architecture graduates take on significant responsibilities in almost every aspect of the sector.</p>
<b>Transition to a Upper Degree</b>	Students who meet the application and admission requirements specified in the relevant regulations, guidelines, and/or announcements of the applied program may, upon acceptance, pursue master's, integrated Ph.D., or doctoral programs in this field or in other fields that accept graduates from this discipline.

NQF-HETR PROGRAM OUTCOMES MATRIX				PROGRAM OUTCOMES														
Program : Architecture				1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Related NQF-HETR Core Field: Architecture and Structure (Academic) - Bachelor Degree																		
CORE AREA QUALIFICATIONS	INFORMATION	Theoretical - Factual	Able to acquire multidimensional knowledge, including discursive, theoretical, factual and professional service sensitivities, in a variety of contexts and to reflect them in academic sharing environments in the local, regional, national and global context for the relevant basic field, architectural design / planning / design activities and research have the necessary knowledge and insight.	x	x	x	x	x			x	x	x					
			In this framework, graduate has the knowledge of the necessary knowledge, intellectual, discursive, scientific, technological, aesthetic, artistic historical and cultural background.	x	x		x	x			x	x	x					
			Has knowledge and understanding about the architectural design / planning / design / research methods that are sensitive to the environment (natural and built) and related to the human and community oriented area.	x	x		x	x			x	x	x					
			Has multidimensional knowledge and understanding on disaster related issues and standards of economic, environmental and social sustainability in the relevant area.	x	x		x	x	x	x	x	x	x					
			Has knowledge about the principles, laws, regulations and standards related to his field.	x		x			x	x	x	x	x					
			Has knowledge and understanding about the institutional and ethical values related to his / her field.	x				x					x					
			Has knowledge and understanding about the place / importance of the related field in its historical, geographical, social and cultural context.		x	x	x					x	x					
	SKILLS	Cognitive - Applied	Has concept development skills in architectural design / planning / design areas.	x	x		x											
			Has the ability to provide discourse, theory and practice integrity for architectural design / planning / design activities and research.	x	x		x						x					
			Has the ability to identify cases, potentials and problems in architectural design / planning / design issues and the necessary research for them.	x	x		x		x	x	x	x	x					
			Uses theoretical / conceptual knowledge related to their field, cognitive and executive skills, research methods and techniques.	x	x		x		x	x	x	x	x					
			Has the ability to develop alternate architectural design, planning fiction and solutions.	x	x					x	x	x						
			Gains skills in interdisciplinary interactive design / planning / design. The knowledge, understanding and skills that he/she possesses are used in the interpretation of data, in the definition of problems, in the development of alternate architectural design / planning / design decisions / projects / solutions exhibiting mastery and innovation.	x	x	x	x				x	x	x					
		Ability to work independently and to take responsibility	Independently runs an architectural design / planning / design project, plans and conducts research projects for these processes, and produces new syntheses.	x					x									
			Independently conducts individual studies on the field and takes individual and collective responsibility in multidisciplinary, interdisciplinary and interdisciplinary studies. The graduate has the necessary confidence and competence for this.	x	x		x					x						
			Undertakes collaborative plans, responsibilities and conduct in an architectural design / planning / design project.	x	x				x			x						
		Learning Competence	Learns his knowledge and skills in a critical and dialectical way (he can produce critical thesis and synthesis).	x	x		x					x	x					
			Is oriented towards the future, has the motivation and learning skills necessary for personal and professional development, determines the learning needs, makes plans for it and applies them.	x				x										
			Acts with lifelong learning consciousness.	x	x		x	x										
		Communication and Social Competence	Inform the related persons and institutions about the issues that are relevant to his / her field, transfers suggestions of solutions to problems and problems in writing, verbally and visually, and supports the students with quantitative and qualitative data and shares them with experts and non-experts.		x		x	x	x									
			Organizes and implements projects, collaborations and events for the social environment in which they are aware of social responsibility.		x		x	x				x	x					

COMPETENCIES	Competence	Tracks developments in their field using a foreign language at least at the European Language Portfolio B1 General Level and communicate effectively with colleagues.	x	x					x		x	x						
		Uses the information (communication and communication) technologies that are required by the field with the computer software at least at the European Computer Use License Advanced level.	x	x					x	x	x							
	Field Specific Competence	Works in the profession, in professional researches, with the understanding of ethical and behavioral rules, behavioral habits and social responsibility.	x	x			x					x						
		Collects, evaluates and comments on the data that will be necessary for decision making considering the possible social, environmental and ethical consequences in architectural design / planning / design processes.	x	x	x	x	x					x						
		Should be able to assess the current knowledge in his / her field with a critical and dialectical approach, taking into account the possible social, environmental and ethical consequences, in line with professional codes of conduct, criteria and standards and legal frameworks in the light of the ethical principles required by the discipline's knowledge, it uses.	x	x	x		x	x				x						
		Decides and acts with the awareness of justice with the knowledge of human worth, human rights, and in this respect, respect for social and cultural rights, showing the necessary sensitivity to the protection of the natural environment and cultural heritage.	x	x	x	x	x					x	x					
		Is well aware of the ethical principles and principles of social justice, quality culture, protection of natural and cultural values, environmental protection, occupational health and safety, professional services and legal frameworks in the knowledge that his profession is beneficial to human rights and society and produces social services.	x					x	x			x	x					
		Is knowledgeable and conscious about the local, regional, national and global general and professional problems in the historical period he lived.	x	x		x	x					x	x					

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<b>1</b>	The ability to create innovative and original architectural designs, either individually or as part of a team, that meet technical, aesthetic, and ethical requirements.
<b>2</b>	Knowledge of architectural history and theories and the ability to apply this knowledge in the architectural design process, along with awareness and sufficient knowledge of philosophy, related art disciplines, technologies, and the humanities.
<b>3</b>	Sufficient knowledge of urban design, planning, and the planning process, including upper-scale planning, zoning and integration processes, industrial institutions and organizations, legal regulations, and procedures.
<b>4</b>	The ability to understand, develop, and manage the sustainable physical, social, cultural, historical, and economic relationships between people, architectural spaces, and their surroundings with architectural design awareness and knowledge.
<b>5</b>	The ability to comprehend the role of the architecture profession and architects in society, as well as their ethical responsibilities, and to incorporate these considerations into designs that particularly address social factors.
<b>6</b>	Awareness of the research, processes, and procedures required to transform architectural design into a well-documented and informed project proposal.
<b>7</b>	Understanding of structural design and engineering and construction challenges related to architectural structures.
<b>8</b>	Adequate knowledge of building physics and technologies in relation to the social, cultural, and architectural functions of a building, aiming to create balanced and harmonious living environments within and around the structure in the context of sustainability and climate adaptation.
<b>9</b>	The ability and responsibility to address user demands, cost factors, legal and regulatory constraints, the right to healthy housing and living conditions, sustainability, and technical, ethical, and aesthetic considerations in architectural design.
<b>10</b>	The ability to understand and utilize contemporary design and representation tools and methods with a broad perspective focused on the future of architecture and architectural spaces.

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MİM 326	City and Architecture in Ankara		x										
MİM 327	City and Architecture in İstanbul												
MİM 328	Digital Architecture and Fabrication												
MİM 329	Advanced Design and Representation Technologies												
MİM 330	Parametric and Algoritmik Design	x					x	x	x			x	
MİM 331	Collaborative Design in Virtual Environments												
MİM 332	Material-Form-Structure I												
MİM 333	Material-Form-Structure II												
MİM 334	Conservation and Reassessment of Cultural Heritage				x		x				x	x	
MİM 335	Fundamentals of Acoustics												
MİM 336	History and Cultural Heritage of Ankara		x		x								
MİM 415	Surveying and Conservation Techniques	x	x		x		x	x				x	
MİM 416	Conservation Theories and Historic Cities												
MİM 417	Sustainable Architecture						x	x			x	x	
MİM 419	Academic Writing Skills												
MİM 420	Academic Conversation Skills												
MİM 421	Landscape Themes in Architectural Design												
MİM 422	Building Shell Performance Evaluation	x			x		x			x			
MİM 423	Project and Construction Management												
MİM 424	Architectural Acoustics												
MİM 425	Intermedia: Hybrid Architectures	x					x	x					x
MİM 426	Space and Gender		x		x								
OEG 200	Cooperative Education I	x					x	x				x	x
OEG 300	Cooperative Education II	x					x	x				x	x
OEG 400	Cooperative Education III	x					x	x				x	x